

IBM TotalStorage SAN File System  
(based on IBM Storage Tank technology)



# Messages Reference

*Version 2 Release 2.2*



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**Note**

Before using this information and the product it supports, read the information in "Notices."

**Fourth Edition (October 2005)**

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## About this guide

This topic describes the information contained in the Messages Reference.

This reference contains messages that can be displayed on the console or in logs for the SAN File System.

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## Who should use this guide

This topic describes the audience for the Messages Reference.

This reference is intended for personnel who will be using or troubleshooting the SAN File System.

---

## Message code conventions

This topic lists the component and subcomponent values that are used in SAN File System message IDs.

Component	Subcomponent	Subcomponent description
<b>Metadata server</b>		
HST	AD	Administration Service Basic Administration Messages
HST	BT	B-Tree Index Manager
HST	CC	Collection Classes
HST	CK	Server fsck
HST	CM	Cluster Manager
HST	DB	Database
HST	DP	Action Dispatcher
HST	FC	Foundation Classes
HST	FS	Free Space Map
HST	GI	Global Disk I/O Manager
HST	GM	Global Memory Manager
HST	GR	Global Root Directory Manager
HST	GS	Group Services
HST	HA	High Availability Manager
HST	IL	Server RPM
HST	IO	Direct Local Disk I/O Manager
HST	IP	Internet Protocol Services
HST	LM	Lock/Lease Manager
HST	LP	LALR Parser Generator
HST	LV	Logical Volume Manager
HST	MG	Message Formatter
HST	NC	National Language Compiler
HST	NE	Net

Component	Subcomponent	Subcomponent description
HST	NL	Server Program messages, default catalog nlsmsg
HST	NS	National Language Support
HST	OM	Object Meta-Data Manager
HST	OP	Run-Time Options Processor
HST	PC	Policy
HST	PG	Server Program
HST	SC	Standard Container Schema Manager
HST	SM	Administration Session Manager
HST	TM	Protocol Transaction Manager
HST	TP	Storage Tank™ Protocol
HST	UC	Utility
HST	VC	Version Control Manager
HST	WA	Write Ahead Log
<b>Administrative server</b>		
HST	AP	Provider messages
HST	AS	Script messages
HST	NP	SAN File System CIMOM providers (error messages)
HST	WU	SAN File System UI Console Scripts
<b>Administrative agent</b>		
CMM	CI	Administrative command line interface, CIM, and common errors to Administrative command line interface and SAN File System console
CMM	NP	SAN File System console and Administrative command line interface
CMM	NW	SAN File System console
CMM	OM	Object Manager
CMM	UI	Administrative agent UI Framework
<b>Client — user level</b>		
HST	CL	stfsclient command
HST	CU	Client Common User (common to all) HST HST HST HST Client HST
HST	DI, DR, ST, UM	AIX-based clients only
HST	IA	Client AIX® lpp install scripts
HST	MO	stfsmount command
HST	OP	Command Line Option Parser
<b>Client — kernel level</b>		
HST	AK	AIX-based client kernel
HST	CS	Client Setup perl script
HST	CW	Windows-based client
HST	SM	Client State Manager



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## Publications

This topic describes the publications in the SAN File System library and in related libraries.

### SAN File System publications

This topic describes the publications in the SAN File System library.

The following publications are available in the SAN File System library. They are provided in softcopy on the *IBM TotalStorage SAN File System Publications CD* and at [www.ibm.com/storage/support](http://www.ibm.com/storage/support). To use the CD, insert it in the CD-ROM drive. If the CD does not launch automatically, follow the instructions on the CD label.

**Note:** The softcopy versions of these publications are accessibility-enabled for the IBM® Home Page Reader.

- *IBM TotalStorage SAN File System Release Notes*

This document provides any changes that were not available at the time the publications were produced. This document is available only from the technical support Web site: [www.ibm.com/storage/support](http://www.ibm.com/storage/support)

- *IBM TotalStorage SAN File System Software License Information*

This publication provides multilingual information regarding the software license for IBM TotalStorage SAN File System Software.

- *IBM TotalStorage SAN File System Administrator's Guide and Reference, GA27-4317*

This publication introduces the concept of SAN File System, and provides instructions for configuring, managing, and monitoring the system using the SAN File System console and administrative command-line interfaces. This book also contains a commands reference for tasks that can be performed at the administrative command-line interface or the command window on the client machines.

- *IBM TotalStorage SAN File System Basic Configuration for a Quick Start, GX27-4058*

The document walks you through basic SAN File System configuration and specific tasks that exercise basic SAN File System functions. It assumes that the physical configuration and software setup have already been completed.

- *IBM TotalStorage SAN File System Maintenance and Problem Determination Guide, GA27-4318*

This publication provides instructions for adding and replacing hardware components, monitoring and troubleshooting the system, and resolving hardware and software problems.

**Note:** This document is intended only for trained support personnel.

- *IBM TotalStorage SAN File System Installation and Configuration Guide, GA27-4316*

This publication provides detailed procedures to set up and cable the hardware, install and upgrade the SAN File System software, perform the minimum required configuration, and migrate existing data.

- *IBM TotalStorage SAN File System Messages Reference, GC30-4076*

This publication contains message description and resolution information for errors that can occur in the SAN File System software.

- *IBM TotalStorage SAN File System Planning Guide, GA27-4344*

This publication provides detailed procedures to plan the installation and configuration of SAN File System.

- *IBM TotalStorage SAN File System System Management API Guide and Reference*, GA27-4315

This publication contains guide and reference information for using the CIM Proxy API, including common and SAN File System-specific information.

**Note:** This document contains information and procedures intended for only selected IBM Business Partners. Contact your IBM representative before using this publication.

## **SAN File System related publications**

These publications are related to SAN File System.

- *IBM TotalStorage<sup>®</sup> Subsystem Device Driver User's Guide*, SC26-7637

---

## **Web sites**

This topic lists Web sites that offer additional and up-to-date information about SAN File System.

For SAN File System documentation and other resources, visit the following Web sites:

- [www.ibm.com/storage/support/sanfs/](http://www.ibm.com/storage/support/sanfs/)
- [www.ibm.com/storage/software/virtualization/sfs/](http://www.ibm.com/storage/software/virtualization/sfs/)

For information about the languages that have International Components for UNICODE (ICU) converters, visit the IBM Globalization Web site at [www.ibm.com/software/globalization/icu/](http://www.ibm.com/software/globalization/icu/).

---

## Chapter 1. Administrative messages

The following messages can be generated by the Administrative server and its components, such as the SAN File System console, Administrative command-line interface, and the Administrative agent.

---

### **CMMCE0001E The user name or password is not valid. The administrative agent could not authenticate the user name.**

#### **Explanation**

You attempted to sign on, but the user name or password is not valid. The administrative agent is not able to authenticate this user name and password with the Lightweight Directory Access Protocol (LDAP) server.

#### **Action**

Make sure that you are using a valid user name and password. Then attempt to sign on again.

---

### **CMMCE0002E User name does not have sufficient privileges to run the command *command\_name*.**

#### **Explanation**

The user name that you are using does not have sufficient privileges to run the command *command\_name*. The privileges for a user name are determined by the role that was assigned to the user name when it was set up on the Lightweight Directory Access Protocol (LDAP) server.

#### **Action**

Either sign on with a user name that has sufficient privileges to run this command, or assign a different role to this user name on the LDAP server.

---

### **CMMCE0003E The administrative agent is unable to find a valid certificate in the truststore file.**

#### **Explanation**

The administrative agent uses certificates in the truststore file to create a secure connection for authenticating your user name and password with the Lightweight Directory Access Protocol (LDAP) server. The administrative server cannot find a valid certificate in the truststore file, so no authentication can occur.

#### **Action**

Verify that the truststore file was created correctly.

---

**CMMCE0004E An unexpected error occurred when accessing the administrative agent.****Explanation**

The administrative agent is responsible for authenticating users with the Lightweight Directory Access Protocol (LDAP) server and providing access to the metadata server. An error occurred during the attempt to access the administrative agent.

**Action**

Perform the following actions to resolve the problem.

1. Wait a few minutes and attempt to sign on again.
2. Contact your service representative.

---

**CMMCE0005E The administrative agent is unable to access the truststore file.****Explanation**

The administrative agent uses certificates in the truststore file to create a secure connection for authenticating your user name and password with the Lightweight Directory Access Protocol (LDAP) server. The administrative server cannot access the truststore file, so no authentication can occur.

**Action**

Perform the following actions to resolve the problem.

1. Verify that the truststore file exists.
2. Verify that the truststore file was created correctly.
3. Verify that the administrative agent can access the truststore file.
4. Contact your service representative.

---

**CMMCE0006E Namespace not found in the CIMOM server: *VALUE\_0*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**CMMCE0007E Host URL was not specified to the CIMOM server.****Explanation**

The host name identifying the CIMOM server was not provided. Without this information, it cannot communicate with the metadata server.

### **Action**

Contact your support representative.

---

**CMMCE0008E The host specified to CIMOM server is not valid:**  
*host\_name.*

### **Explanation**

The host name identifying the CIMOM server is not valid. Because of this, the CIMOM server cannot communicate with the metadata server.

### **Action**

Contact your support representative.

---

**CMMCE0009E Could not connect to CIMOM server.**

### **Explanation**

An internal error occurred while connecting to the CIMOM server.

### **Action**

Contact your support representative.

---

**CMMCE0010E The port address is not valid for CIMOM server:**  
*server\_name.*

### **Explanation**

The port address is not valid for the specified CIMOM server.

### **Action**

Contact your support representative.

---

**CMMCE0011E An unexpected administrative error occurred:**  
*error\_code*

### **Explanation**

The administrative agent is responsible for authenticating users with the Lightweight Directory Access Protocol (LDAP) server and providing access to the metadata server. An unexpected error occurred with the administrative agent.

### **Action**

Contact your service representative.

---

**CMMCE0012E Unable to connect to the master CIMMOM server.****Explanation**

The master CIMMOM server is not available. Therefore the redirection system which would normally be available under the condition that the METADATA server is being accessed via a subordinate node cannot be performed.

**Action**

Attempt this command at a later time when the master CIMMOM server has come back on line.

---

**CMMCI9001E Command *command\_name* resulted in an internal server error (error number *return\_code*). View the log file for details.****Explanation**

An unexpected value was returned for this command.

**Action**

Run the command again. If the problem persists, contact your service representative.

---

**CMMCI9002I Command *command\_name* halted.****Explanation**

The command *command\_name* was unexpectedly halted.

**Action**

Perform the following actions to resolve the problem.

1. View the cluster log to determine if other errors might be causing this error.
2. Run the command again.
3. If the problem persists, contact your service representative.

---

**CMMCI9003W No *object\_name* instances found in the SAN File System.****Explanation**

You attempted to list all instances of *object\_name*. No instances were found.

**Action**

No action is required.

---

**CMMCI9004E Cannot modify *object\_type object\_name* because it does not exist.**

**Explanation**

You are attempting to modify the attributes for the *object\_type* named *object\_name*, but *object\_name* does not exist.

**Action**

Make sure that the object with the attributes that you are modifying exists.

---

**CMMCI9005I There is nothing to modify.**

**Explanation**

You are attempting to modify the attributes for an object, but the values that you specified are already defined for that object.

**Action**

If you need to modify the attributes for an object, run the command again. Ensure that you are specifying different attribute values.

---

**CMMCI9006E No *class\_type instancesobject\_name* found that match criteria: *criteria*.**

**Explanation**

You are attempting to list all occurrences of an object, but no instances of that object meeting your search criteria were found.

**Action**

If the search criteria that you specified was correct, no action is required. Otherwise, attempt to list all occurrences of the object again, specifying different search criteria.

---

**CMMCI9007E *object\_type object\_name* does not exist.**

**Explanation**

You are attempting to run a command on an object that does not exist.

**Action**

Ensure that you are running this command on an existing object.

---

**CMMCI9008I Unsupported command *command\_name* completed successfully.**

**Explanation**

The command *command\_name* is not a supported command. However, it did complete successfully.

### Action

No action is required.

---

## **CMMCI9009E The unsupported *command\_name* command failed with a value *return\_code***

### Explanation

The command *command\_name* is not a supported command. It did not complete successfully.

### Action

Make sure that you are running only supported commands.

---

## **CMMCI9010E The command did not complete successfully.**

### Explanation

The command did not complete successfully.

### Action

Verify that you are using the correct syntax. Then run the command again.

---

## **CMMCI9011E Password file access error: *return\_code*.**

### Explanation

The password file controls access to the administrative command-line interface. The SAN File System was not able to access the password file.

### Action

Perform these actions to resolve the problem

1. Verify that *tank.properties* exists in your home directory on the engine, and that the password field contains a valid password for your user name.
  2. Access the administrative command-line interface again.
  3. If the problem persists, contact your service representative.
- 

## **CMMCI9012E The password file is not valid. The first line of the file requires a colon delimited user:password string**

### Explanation

The password file controls access to the administrative command-line interface. The password file for your user name is not valid.

### Action

Run the `tankpasswd` command to set the password for your user name. Your user name and password must have previously been defined on the Lightweight Directory Access Protocol (LDAP) server.



---

**CMMCI9013E Command: *command\_name* was not found.****Explanation**

You attempted to run a command that does not exist.

**Action**

Make sure that you run valid administrative command-line interface commands. Enter "help" for a list of available commands.

---

**CMMCI9014E The parameter *-parameter\_name* is not valid.****Explanation**

You attempted to run a command, but the parameter you specified is not valid.

**Action**

Run the command again, specifying valid parameters. Enter "help *command\_name*" for a list of valid parameters.

---

**CMMCI9015E The value *value* for parameter *-parameter\_name* is not formatted correctly.****Explanation**

The parameter you specified is not formatted correctly.

**Action**

Run the command again, specifying parameter values that are formatted correctly. Enter "help *command\_name*" for a list of valid parameters.

---

**CMMCI9016E Missing parameter name after *-*.****Explanation**

You specified a dash, but you did not specify a parameter name after the dash.

**Action**

Run the command again, specifying all parameters correctly. Enter "help *command\_name*" for a list of valid parameters.

---

**CMMCI9017E Parameter *parameter\_name* is already specified.****Explanation**

You are attempting to specify the same parameter twice on a single command.

**Action**

Run the command again, specifying the parameter only once. Enter "help *command\_name*" for a list of valid parameters.

---

**CMMCI9018E Parameter *parameter\_name* is missing a required value.****Explanation**

The parameter *parameter\_name* requires a value.

**Action**

Run the command again, specifying valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and values.

---

**CMMCI9019E The value for *parameter\_name*: *value* is not valid.****Explanation**

The value you specified for the listed parameter name is not valid.

**Action**

Run the command again, specifying valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and values.

---

**CMMCI9020E The parameter *parameter\_name* cannot be used when the parameter *parameter\_name* is specified.****Explanation**

You specified two parameters that are mutually exclusive. You cannot specify both parameters on a single command.

**Action**

Run the command again, specifying only one of the parameters.

---

**CMMCI9021E Command *command\_name* is not formatted correctly.****Explanation**

The command you specified is not formatted correctly.

**Action**

Run the command again, making sure that it is formatted correctly. Enter "help *command\_name*" for the correct format.

---

**CMMCI9022E Missing required parameter: *parameter\_name*.****Explanation**

The parameter *parameter\_name* is required.

**Action**

Run the command again, specifying all required parameters. Enter "help *command\_name*" for a list of valid parameters and values.

---

**CMMCI9023E** *parameter\_name* is mutually exclusive of *parameter\_name*

**Explanation**

You specified two parameters that are mutually exclusive. You cannot specify both parameters on a single command.

**Action**

Run the command again, specifying only one of the parameters.

---

**CMMCI9024E** *value* exceeds the maximum allowable value of *maximum\_value* for the parameter *command\_name*

**Explanation**

The value you specified is greater than the maximum value allowed for this parameter.

**Action**

Run the command again, specifying valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9025E** *value* does not meet the minimum allowable value of *minimum\_value* for the parameter *parameter\_name*

**Explanation**

The value you specified is less than the minimum value allowed for this parameter.

**Action**

Run the command again, specifying valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9026E** Unmatched *character\_value* characters.

**Explanation**

There are unmatched *character\_value* characters in the command that you specified.

**Action**

Run the command again, making sure that you specify matching *character\_value* characters, such as matching quotation marks. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9027E Invalid value for *parameter\_name*. The length exceeds *maximum\_length* characters.**

**Explanation**

The length of the value you specified for this parameter exceeds the maximum length for this value.

**Action**

Run the command again, making sure that the length of the value you specify for this parameter is not greater than the maximum length. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9028E The value *value* specified for parameter *parameter\_value* is not valid.**

**Explanation**

The value that you specified for this parameter is not valid for this parameter.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9029E *object\_type object\_name* does not exist.**

**Explanation**

You specified the object *object\_type* with the name *object\_name*, but it does not exist.

**Action**

Run the command again, making sure that you specify an existing object. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9030E Value *value* cannot be accepted with any other value for the *-parameter\_name* parameter.**

**Explanation**

You specified multiple values for the parameter *parameter\_name*. However, if you specify the parameter value of *value*, it must be the only value specified for this parameter.

**Action**

Run the command again, making sure that you specify valid parameter values. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9031E** The help page for command *command\_name* does not exist.

**Explanation**

You requested help for the command *command\_name*, but no help exists for this command.

**Action**

Make sure that you are requesting help for a valid command. Enter "help" for a list of available commands.

---

**CMMCI9032E** You must specify parameter *parameter\_name* if you specify parameter *parameter\_name*

**Explanation**

If you specify one of these parameters on a command, you must specify both parameters.

**Action**

Run the command again, making sure that you specify both parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9033E** File *file\_name* does not exist.

**Explanation**

The file name that you specified does not exist.

**Action**

Run the command again, making sure that you specify a valid file name.

---

**CMMCI9034E** Parameter *parameter\_name* cannot be used in the same command as parameter *parameter\_name*.

**Explanation**

These two parameters are mutually exclusive. You cannot specify both of them in the same command.

**Action**

Run the command again, making sure that you specify only one of these parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9035E** *object\_type object\_name* already exists.

**Explanation**

You are attempting to create an object of type *object\_type* by the name *object\_name*, but it already exists.

### Action

Make sure that this is the object that you are trying to create. If so, no action is required. If not, run the command again using a new object name.

---

**CMMCI9036E The value *value* for parameter *-parameter\_name* is already specified.**

### Explanation

You are attempting to specify the same parameter twice in a single command.

### Action

Run the command again, specifying the parameter only once. Enter "help command\_name" for a list of valid parameters.

---

**CMMCI9037E Multiple targets not allowed for command *command\_name***

### Explanation

You cannot specify multiple targets for this command.

### Action

Run the command again, specifying a single target. Enter "help command\_name" for a list of valid parameters and parameter values.

---

**CMMCI9038E You cannot specify multiple *values* when using the *parameter\_name* parameter.**

### Explanation

You specified multiple values for the parameter *parameter\_name*. You can specify only a single value for this parameter.

### Action

Run the command again, making sure that you specify valid parameter values. Enter "help command\_name" for a list of valid parameters and parameter values.

---

**CMMCI9039E The value *value* for *parameter\_name* is not valid. It contains unsupported characters.**

### Explanation

You specified a value for this parameter that contains unsupported characters.

### Action

Run the command again, making sure that you specify valid parameter values. Enter "help command\_name" for a list of valid parameters and parameter values.

---

**CMMCI9040E The value *value* for the parameter *parameter\_name* is not valid. It contains unsupported characters.**

**Explanation**

You specified an object name that contains unsupported characters.

**Action**

Run the command again, making sure that you specify a valid object name. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9041E The value for *parameter\_name* is not valid. You must specify either *value1* or *value2*.**

**Explanation**

You specified a value for this parameter that is not valid. You must specify either *value1* or *value2*.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9042E The value for the parameter *-parameter\_name* cannot contain a *value*.**

**Explanation**

You specified a value for this parameter that is not valid.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9043E Number of entries (*entries*) is exceeded for the *-parameter\_name* parameter.**

**Explanation**

You specified too many values for this parameter.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9044E** Entry *entry\_value* exceeds the length limit (*entry\_limit*) for one item for the *-parameter\_name* parameter.

**Explanation**

The length of the value you specified this parameter is too long.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9045E** The value for *-parameter\_name* must be operator the current setting of *value*.

**Explanation**

The value that you specified for the listed operator is not valid. The operator explains how value needs to be changed.

**Action**

Run the command again, making sure that you specify valid values for all parameters. Enter "help *command\_name*" for a list of valid parameters and parameter values.

---

**CMMCI9046E** Unrecognized syntax error in command *command\_name*

**Explanation**

There is a syntax error in the command you specified.

**Action**

Run the command again, making sure that you use a valid syntax. Enter "help *command\_name*" for the syntax to use.

---

**CMMCI9047E** Cannot run *command\_name* as a command within the *application\_name* application. Tip: Enter "help *command\_name*" for more information.

**Explanation**

You cannot specify the command *command\_name* within this application.

**Action**

Enter "help *command\_name*" for more information about using this command.



---

**CMMCI9048E** The date provided: *date\_value* is invalid. Tip: Correct format for the date field is YYYY-MM-DD

**Explanation**

The value entered for the date specifier is invalid.

**Action**

The format of the date field is YYYY-MM-DD. Check that the valued entered follows this format and is a valid date.

---

**CMMCI9049E** You must specify one flag from the following group when issuing this command: *param\_group*.

**Explanation**

It is required that one of the parameters specified in the grouping is provided for this command.

**Action**

Restate the command with the correct list of required parameters.

---

**CMMNE0001E** Unexpected error. Try to run the task again. If the problem continues, contact your service representative.

**Explanation**

The system encountered an unexpected error.

**Action**

Attempt to run the task again. If you see the same error, contact your service representative.

---

**CMMNE0002E** You could not connect to the subordinate metadata server. Try connecting directly to the master metadata server.

**Explanation**

You attempted to connect to a subordinate metadata server. During normal operation, you would automatically be redirected to the master metadata server. However, the subordinate metadata server might be inactive.

**Action**

Try to connect directly to the master metadata server.

---

**CMMNE0003E Field *VALUE\_0* is not in the correct format. It must be an IP address in dotted decimal notation.**

**Explanation**

The value for field *field\_name* must be an IP address in dotted decimal notation (xxx.xxx.xxx.xxx). The value that you entered in this field is not in the correct format.

**Action**

Enter an IP address in dotted decimal notation in the field *field\_name*.

---

**CMMNE0004E Field *VALUE\_0* contains one or more of the following characters, which are not valid for this field: *VALUE\_1*.**

**Explanation**

Field *field\_name* contains one or more of the listed characters. These characters are not valid for the field.

**Action**

Enter only valid characters for the field *field\_name*.

---

**CMMNE0005I Verify the following changes:User storage pool *VALUE\_0* will become the new user default storage pool.User default pool *VALUE\_1* will become a user storage pool.**

**Explanation**

You must confirm that you want to change the storage pool that is designated as the default storage pool. The current default storage pool will become a user storage pool.

**Action**

Click OK to change the default storage pool. Click Cancel to set another storage pool as the default or to continue using the current default.

---

**CMMNE0006W You need to select one or more storage pools to delete.**

**Explanation**

You must select a storage pool from the list of storage pools to delete it.

**Action**

Select one or more storage pools. Then select Delete from the action pulldown list and click Go to delete each selected storage pool.

---

**CMMNE0007W You must select a user storage pool to set it as default.****Explanation**

You must select a storage pool from the list of storage pools to set it as the default storage pool.

**Action**

Select a storage pool. Then select Set as Default from the action pulldown list and click Go to set it as the default storage pool.

Note: The system storage pool is used to store SAN File System metadata. Therefore, you cannot set the system storage pool as the default storage pool.

---

**CMMNE0008W You must select a storage pool to view its properties.****Explanation**

You must select a storage pool from the list of storage pools to view its properties.

**Action**

Select a storage pool. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one storage pool at a time.

---

**CMMNE0009E The selected storage pool is the default storage pool.****Explanation**

You cannot set the selected storage pool to be the default storage pool because it is already the default.

**Action**

To change the default storage pool, select another storage pool. Then select Set as Default from the action pulldown list and click Go to set it as the default storage pool.

---

**CMMNE0010W You need to select a volume to view its properties.****Explanation**

You must select a volume from the list of volumes to view its properties.

**Action**

Select a volume. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one volume at a time.

---

**CMMNE0011W You need to select one or more volumes to remove.****Explanation**

You must select a volume to remove it from a storage pool.

**Action**

Select one or more volumes. Then select Remove from the action pulldown list and click Go to remove each selected volume.

Note: To remove a volume from a storage pool, the volume must be empty or there must be sufficient space on the remaining volumes in the storage pool to move the files that are currently on the volume. You can also force the removal of a volume that contains files.

---

**CMMNE0012W You need to select one or more volumes to activate.****Explanation**

You must select a volume to activate it.

**Action**

Select one or more volumes. Then select Activate from the action pulldown list and click Go to activate each selected volume.

---

**CMMNE0013W You need to select one or more volumes to suspend.****Explanation**

You must select a volume to suspend it.

**Action**

Select one or more volumes. Then select Suspend from the action pulldown list and click Go to suspend each selected volume.

---

**CMMNE0014W Are you sure that you want to perform a forced remove operation on the following volumes? Data will be lost, including corresponding partial files that exist on other volumes. *volume\_list*****Explanation**

You must confirm that you want to force the removal of the listed volumes. If you do so, files that cannot be moved to other volumes in the storage pool will be discarded.

**Action**

Click Forced Remove to force the removal of the listed volumes. Click Cancel to cancel the forced remove operation.

---

**CMMNE0015E You must select at least one storage pool.****Explanation**

To add a volume to a storage pool, you must first select a storage pool.

**Action**

Select a storage pool. Then click Next to continue the wizard for adding a volume to a storage pool.

---

**CMMNE0016E You must select at least one LUN to add as a volume to this storage pool.****Explanation**

To add a LUN as a volume to a storage pool, you must first select a LUN.

**Action**

Select one or more LUNs. Then click Next to continue the wizard for adding a volume to a storage pool.

---

**CMMNE0017W You must select a LUN to view its properties.****Explanation**

You must select a LUN from the list of LUNs to view its properties.

**Action**

Select a LUN. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one LUN at a time.

---

**CMMNE0018W You need to select one or more LUNs to add to a storage pool.****Explanation**

To add an available LUN as a volume to a storage pool, you must first select an available LUN.

**Action**

Select one or more available LUNs. Then select Add to Pool to start the wizard for adding a volume to a storage pool.

---

**CMMNE0019W You need to select one or more filesets to delete.****Explanation**

You must select a fileset from the list of filesets to delete it.

## Action

Select one or more filesets. Then select Delete from the action pulldown list and click Go to delete each selected fileset.

Notes:

1. You cannot delete the root fileset.
2. A fileset must be empty and detached before you can delete it unless you perform a forced delete operation.

---

## **CMMNE0020W You must select a fileset to view its properties.**

### Explanation

You must select a fileset from the list of filesets to view its properties.

### Action

Select a fileset. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one fileset at a time.

---

## **CMMNE0021W You need to select a fileset to attach.**

### Explanation

You must select a fileset from the list of filesets to attach it to the global file system.

### Action

Select a fileset. Then select Attach from the action pulldown list and click Go to attach the fileset to the global file system.

Note: You can only attach one fileset at a time.

---

## **CMMNE0022W You must select a fileset to detach.**

### Explanation

You must select a fileset from the list of filesets to detach it to the global file system.

### Action

Select one or more filesets. Then select Detach from the action pulldown list and click Go to detach the selected filesets from the global file system.

---

## **CMMNE0023W You must select a fileset to create FlashCopy images.**

### Explanation

You must select a fileset from the list of filesets to create a FlashCopy image for that fileset.

### Action

Select one or more filesets. Then select Create FlashCopy images from the action pulldown list and click Go to start the wizard for creating FlashCopy images.

---

## **CMMNE0024W You must select a fileset to manage FlashCopy images.**

### Explanation

You must select a fileset from the list of filesets to manage FlashCopy images for that fileset.

### Action

Select a fileset. Then select Manage FlashCopy images from the action pulldown list and click Go to manage the FlashCopy images for that fileset.

Note: You can manage FlashCopy images for only one fileset at a time.

---

## **CMMNE0025W Are you sure that you want to perform a forced delete operation on the following filesets? Files and directories will be lost!** *fileset\_list*

### Explanation

You must confirm that you want to force the deletion of the listed filesets. If you do so, any files and directories in those filesets will also be deleted.

### Action

Click Forced Delete to force the deletion of the listed fileset. Click Cancel to cancel the forced deletion.

---

## **CMMNE0026W Are you sure that you want to perform a forced detach operation on the following filesets? Open files will be lost!** *fileset\_list*

### Explanation

You must confirm that you want to force the detachment of the listed filesets. If you do so, any files and directories in those filesets will also be deleted.

### Action

Click Forced Detach to force the detachment of the listed fileset. Click Cancel to cancel the forced detachment.

---

## **CMMNE0027W You must select one or more filesets to create FlashCopy images.**

### Explanation

You must select a fileset from the list of filesets to create FlashCopy images for that fileset.

### Action

Select a fileset. Then select Create FlashCopy images from the action pulldown list and click Go to start the wizard for creating FlashCopy images.

---

## **CMMNE0028W You must select one or more FlashCopy images to delete.**

### Explanation

You must select a fileset from the list of filesets to create FlashCopy images for that fileset.

### Action

Select a fileset. Then select Delete FlashCopy images from the action pulldown list and click Go to delete the selected FlashCopy images.

---

## **CMMNE0029W You need to select a FlashCopy image to revert to.**

### Explanation

You must select a FlashCopy image from the list of FlashCopy images to revert the fileset to that image.

### Action

Select a FlashCopy image. Then select Revert to from the action pulldown list and click Go to choose the method used to revert the fileset to the FlashCopy image.

---

## **CMMNE0030W You must select a FlashCopy image to view its details.**

### Explanation

You must select a FlashCopy image from the list of FlashCopy images to view details about that image.

### Action

Select a FlashCopy image. Then select Details from the action pulldown list and click Go to view details about the selected image.

---

## **CMMNE0031W Are you sure that you want to perform a forced delete operation on the following FlashCopy images? If there are open files associated with the images, they will be lost, which might cause application errors. *flashcopy\_image\_list***

### Explanation

You must confirm that you want to force the deletion of the listed FlashCopy images. If you do so, any open files associated with the FlashCopy images will be lost, which might result in application errors.



### Action

Click Forced Delete to force the deletion of the listed FlashCopy images. Click Cancel to cancel the forced deletion.

---

**CMMNE0032W Are you sure that you want to perform a forced fileset reversion to the following FlashCopy image? If there are open files associated with the image, they will be lost, which might cause application errors. *flashcopy\_image***

### Explanation

You must confirm that you want to force the reversion of the fileset to the listed FlashCopy image. If you do so, any open files associated with the FlashCopy image will be lost, which can result in application errors.

### Action

Click Forced Revert to force the reversion of the fileset to the listed FlashCopy image. Click Cancel to cancel the forced reversion.

---

**CMMNE0033W The fileset *VALUE\_0* has child filesets. You must first detach them before reverting to the image.**

### Explanation

You cannot revert the fileset *fileset\_name* to the selected FlashCopy image, because the fileset has child filesets.

### Action

Detach all child filesets from the fileset. Then attempt to revert the fileset to the FlashCopy image again.

---

**CMMNE0034E The master metadata server must be online.**

### Explanation

You cannot assign the fileset to the metadata server because the master metadata server must be online.

### Action

Perform the following steps to resolve the problem:

1. Wait a few minutes and attempt to assign the fileset to the metadata server again.
2. Attempt to restart the master metadata server.

---

**CMMNE0035E To change the metadata server value, the current metadata server cannot be online or quiescent.**

**Explanation**

You cannot assign the fileset to a new metadata server because the current metadata server is in either an online or a quiescent state.

**Action**

Stop the current metadata server before you attempt to assign this fileset to a new metadata server.

---

**CMMNE0036E The root fileset must be assigned to the master metadata server.**

**Explanation**

You cannot assign the root fileset to a new metadata server. It must always be assigned to the master metadata server.

**Action**

Do not attempt to assign the root fileset to a metadata server other than the master metadata server.

---

**CMMNE0037E A metadata server must be selected to which the fileset is assigned.**

**Explanation**

You must select a metadata server from the list of metadata server to which the fileset will be assigned.

**Action**

Select a metadata server to which the fileset will be assigned. Then click OK to continue creating the fileset.

---

**CMMNE0038I Are you sure that you want to delete the following inactive policies? *inactive\_policy\_list***

**Explanation**

You must confirm that you want to delete the listed inactive policies.

**Action**

Click OK to delete the listed inactive policies. Click Cancel to cancel the deletion.

---

**CMMNE0039I Verify the following changes: *new\_active\_policy* will be activated. *current\_active\_policy* will be deactivated.**

**Explanation**

You must confirm that you want to activate a policy, which will automatically deactivate the current active policy. Only one policy can be active at a time.

**Action**

Click OK to activate the policy *new\_active\_policy*. Click Cancel to keep the current active policy.

---

**CMMNE0040I Verify the following changes: *new\_active\_policy* will be activated.**

**Explanation**

You must confirm that you want to activate the policy *new\_active\_policy*.

**Action**

Click OK to activate the policy *new\_active\_policy*. Click Cancel to cancel the policy activation.

---

**CMMNE0041I The selected policy is already the active policy.**

**Explanation**

You are attempting to activate a policy, but it is already the active policy.

**Action**

No action is required, if you want this policy to be the active policy. Otherwise, select another policy, select Activate from the action pulldown list, and click Go to activate that policy.

---

**CMMNE0042W You need to select one or more inactive policies to delete.**

**Explanation**

You must select an inactive policy from the list of policies to delete it.

**Action**

Select one or more inactive policies. Then select Delete from the action pulldown list and click Go to delete each selected policy.

---

**CMMNE0043W You need to select an inactive policy to activate.****Explanation**

You must select an inactive policy from the list of policies to activate it. If another policy is currently active, it will automatically be deactivated.

**Action**

Select an inactive policy. Then select Activate from the action pulldown list and click Go to activate that policy.

---

**CMMNE0044W You must select a policy to view its properties.****Explanation**

You must select a policy from the list of policies to view its properties.

**Action**

Select a policy. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can only view properties for one policy at a time.

---

**CMMNE0045E You must select a policy to clone or create a new policy.****Explanation**

You are attempting to create a new policy using the clone policy creation method, but you did not select a policy to be cloned.

**Action**

Select a policy from the Existing Policy pulldown list. Then click Next to continue creating the policy. Alternatively, you can choose to create a policy using the new policy creation method.

---

**CMMNE0046E The policy name cannot contain the single quotation mark character.****Explanation**

You cannot use the single quotation mark characters ( ' ') in the name of a policy.

**Action**

Specify a policy name that does not contain the single quotation mark character. Then continue with the Create a Policy wizard.

---

**CMMNE0047E You must select a storage pool.****Explanation**

To create a policy, you must select a storage pool to which files will be assigned, based on the results of the rules that you specify.

**Action**

Select a storage pool from the Storage Pool Assignment pulldown list. Then continue with the Create a Policy wizard.

---

**CMMNE0048E The rules cannot be null.****Explanation**

To create a policy, you must create one or more rules to be added to the policy. These rules dictate where files will be placed.

**Action**

Create one or more rules for the policy. Then continue with the Create a Policy wizard.

---

**CMMNE0049I Are you sure that you want to start the cluster? This will take some time, and some changes are more difficult to make after the cluster is started. These metadata servers will come online as part of the cluster: *metadata\_server\_list*****Explanation**

You must confirm that you want to start the cluster.

**Action**

Click OK to start the cluster. Click Cancel to cancel the operation.

---

**CMMNE0050I Verify the following changes: Version *new\_software\_version* will become the committed software version of the cluster, and the process of updating the metadata structures will begin. Version *current\_software\_version* will no longer be used.****Explanation**

You must confirm that you want to upgrade the cluster software version to the specified version. The current software version will no longer be operational.

**Action**

Click OK to upgrade the cluster. Click Cancel to cancel the upgrade operation.

---

**CMMNE0051W The cluster operational state cannot be changed while in state: *cluster\_state***

**Explanation**

You cannot change the state of the cluster while it is in the Not Running, Forming, or Unknown state.

**Action**

Perform the following actions to resolve the problem:

1. Wait a few minutes to see if the cluster changes states.
2. Start the cluster.
3. After the cluster is started, attempt to change the state of the cluster again.

---

**CMMNE0052W The cluster cannot be started while in state: *cluster\_state***

**Explanation**

You start a cluster only when it is in the Not Running or Unknown state.

**Action**

Perform the following actions to resolve the problem:

1. Wait a few minutes to see if the cluster changes states.
2. Change the state of the cluster to be a state in which the cluster can be started.
3. Attempt to start the cluster again.

---

**CMMNE0053W The cluster cannot be stopped while in state: *cluster\_state***

**Explanation**

You cannot stop the cluster while it is in the Not Running state.

**Action**

Wait a few minutes to see if the cluster changes state. If it does, attempt to stop the cluster again. Otherwise, no action is required because the cluster is already stopped.

---

**CMMNE0054W The cluster software upgrade cannot be committed if the metadata server software has not been upgraded.**

**Explanation**

Before you can upgrade the software version for the cluster, the software version for each metadata server in the cluster must be upgraded.

## Action

Make sure that all metadata servers have been upgraded to the same software version before attempting to commit it at the cluster level.

---

### **CMMNE0055I Metadata servers will be stopped only if their states are: Online, Partly Quiescent, Fully Quiescent or Offline.**

#### Explanation

You cannot stop one or more of the selected metadata servers because they are in the wrong state. You can stop a metadata server only if it is in one of the listed states.

#### Action

Perform the following actions to resolve the problem:

1. Verify that you are attempting to stop the correct metadata server.
  2. Wait a few minutes to see if the metadata server changes to a state that can be stopped.
- 

### **CMMNE0056I Metadata servers will be started only if their states are: Not Running or Unknown.**

#### Explanation

You cannot start one or more of the selected metadata servers because they are in the wrong state. You can start a metadata server only if it is in one of the listed states.

#### Action

Perform the following actions to resolve the problem:

1. Verify that you are attempting to start the correct metadata server.
  2. Wait a few minutes to see if the metadata server changes to a state that can be started.
- 

### **CMMNE0057I These metadata servers are in the wrong state; therefore, they were removed from the list: *metadata\_server\_list*.**

#### Explanation

The listed metadata servers are in the wrong state to be stopped or started (depending on which task you were performing when you received the error). Therefore, they will be removed from the list of metadata servers that can be stopped or started.

#### Action

Make sure that the metadata servers are in the required state before attempting to start or stop them.

---

**CMMNE0058W You must select a metadata server to view its properties.**

**Explanation**

You must select a metadata server from the list of metadata servers to view its properties.

**Action**

Select a metadata server. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one metadata server at a time.

---

**CMMNE0059W You need to select one or more inactive metadata servers to start.**

**Explanation**

Before you can start a metadata server, it must be in one of these states: Not Running or Unknown.

**Action**

Select one or more metadata servers that are in a Not Running or Unknown state. Then select Start from the action pulldown list and click Go to start each selected metadata server.

---

**CMMNE0060W You must select one or more active metadata servers to stop.**

**Explanation**

Before you can stop a metadata server, it must be in one of these states: Offline, Fully Quiescent, Partly Quiescent, or Online.

**Action**

Select one or more metadata servers that are in the appropriate state from the list of metadata servers. Then select Stop from the action pulldown list and click Go to stop each selected metadata server.

---

**CMMNE0061E Metadata servers cannot be started because the master metadata server is not active. Start the master metadata server or start the cluster.**

**Explanation**

To start the selected metadata servers, the master metadata server cannot be in the Not Running or Unknown state.



### **Action**

Start the master metadata server. Then attempt to start the other metadata servers again. Alternatively, you can start the cluster.

---

**CMMNE0062I No log messages matched the retrieval settings, so none were retrieved. You can refine the log-retrieval settings and try again.**

### **Explanation**

You are attempting to retrieve log messages, but no log messages match your retrieval criteria. No messages were retrieved.

### **Action**

Refine your retrieval settings and click Refresh.

---

**CMMNE0063I Unable to reach all metadata servers in the cluster. The following information includes log messages only from a limited number of servers.**

### **Explanation**

Log messages are normally consolidated for all metadata servers in the cluster before they are displayed. In this case, some of the metadata servers are not reachable (they might not be active). Log messages are displayed for only the reachable metadata servers.

### **Action**

To retrieve log messages from all metadata servers, make sure they are all reachable. Then attempt to retrieve the log messages again.

---

**CMMNE0064W Are you sure that you want to delete all messages in the cluster log?**

### **Explanation**

You must confirm that you want to delete all messages in the cluster log.

### **Action**

Click OK to delete all messages in the cluster log. Click Cancel to cancel the deletion.

---

**CMMNE0065W Are you sure that you want to delete all messages in the audit log?**

### **Explanation**

You must confirm that you want to delete all messages in the audit log.

### Action

Click OK to delete all messages in the audit log. Click Cancel to cancel the deletion.

---

## **CMMNE0066W You must select an engine to view its properties.**

### Explanation

You must select an engine from the list of engines to view its properties.

### Action

Select an engine. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one engine at a time.

---

## **CMMNE0067W You need to select at least one engine to change its power state.**

### Explanation

You must select an engine from the list of engines to change its power state.

### Action

Select one or more engines. Then select Change Power State from the action pulldown list and click Go to change the state for each engine.

---

## **CMMNE0068I Are you sure that you want to revoke root privileges for the following clients? These clients will no longer have unrestricted access. *client\_list***

### Explanation

You must confirm that you want to revoke root privileges for the listed clients.

### Action

Click OK to revoke root privileges for the listed clients. Click Cancel to cancel the revocation.

---

## **CMMNE0069W You must select a single client to view its details.**

### Explanation

You must select a client session from the list of clients to view details for the client.

### Action

Select a client session. Then select Details from the action pulldown list and click Go to view details about the client.

Note: You can view details for only one client session at a time.

---

**CMMNE0070W You must select at least one client with standard privileges to grant root privileges.**

**Explanation**

You must select a client session with standard privileges from the list of clients to grant root privileges to that client.

**Action**

Select one or more clients with standard privileges. Then select Grant Clients Root Privileges from the action pulldown list and click Go to grant root privileges to each selected client.

---

**CMMNE0071W You must select at least one client with root privileges to revoke root privileges.**

**Explanation**

You must select a client session with root privileges from the list of clients to revoke root privileges to that client.

**Action**

Select one or more clients with root privileges. Then select Revoke Clients Root Privileges from the action pulldown list and click Go to revoke root privileges for each selected client.

---

**CMMNE0072W You must enter the name of the client that will be granted root privileges.**

**Explanation**

To grant root privileges for a client, you must enter the name of the client in the Client Name field.

**Action**

Enter the name of a client to be granted root privileges in the Client Name field. Then click Add to add the client with root privileges.

---

**CMMNE0073W Are you sure that you want to grant root privileges for the following clients? These clients will have unrestricted access. *client\_list***

**Explanation**

You must confirm that you want to grant root privileges to the listed clients.

### Action

Click OK to grant root privileges for the listed clients. Click Cancel to cancel the grant privileges operation.

---

**CMMNE0074W You must select one or more tables to display in order to create a Statistics Overview report.**

### Explanation

You must select one or more tables to be included in the Statistics Overview report from the list of tables.

### Action

Select one or more tables. Then click Create Report to display a report from the selected tables.

---

**CMMNE0075W Are you sure you want to perform a forced create on the following recovery files? The existing recovery file will be overwritten and metadata recovery might not be possible.**

*recovery\_file\_list*

### Explanation

You must confirm that you want to force the creation of the listed metadata disaster recovery file. There is currently a metadata disaster recovery file by that name and it will be overwritten by the new file.

### Action

Click Forced Create to create the metadata disaster recovery file. Click Cancel to cancel the creation.

---

**CMMNE0076W Are you sure you want to delete the following metadata recovery files? Data will be lost and metadata recovery might not be possible.** *recovery\_file\_list*

### Explanation

You must confirm that you want to delete the listed metadata disaster recovery file.

### Action

Click Delete to delete the listed metadata disaster recovery file. Click Cancel to cancel the deletion process.

---

**CMMNE0077W Select one or more recovery files to delete.**

### Explanation

You must select a recovery file to delete from the list of recovery files.

### Action

Select one or more recovery files. Then click Delete to delete the selected files.

---

**CMMNE0078W Are you sure you want to repair metadata as necessary? The cluster might need to be taken offline and might require manual intervention to repair metadata.**

### Explanation

You must confirm that you want to repair metadata. If you do, you might have to take the cluster offline and manually repair the metadata.

### Action

Click OK to begin the metadata repair operation. Click Cancel to cancel the repair operation.

---

**CMMNE0079W You must select one or more metadata servers when changing the service state.**

### Explanation

You must select a metadata server from the list of metadata servers to change the state of the automatic restart service.

### Action

Select one or more metadata servers. Then select either Start Service or Stop Service from the action pulldown list and click Go to change the automatic restart service state for each selected metadata server.

---

**CMMNE0080W You can only select one metadata server when viewing statistics.**

### Explanation

You must select a metadata server to view statistics about the metadata server restart service.

### Action

Select a metadata server. Then select Statistics from the action pulldown list and click Go to view statistics for the selected metadata server restart service.

---

**CMMNE0081E The Server Workload Process Limit cannot be decreased from current value:*current\_value,number*.**

### Explanation

The Server Workload Process Limit determines the number of workload operations that can be run simultaneously for each metadata server in the cluster. The value *current\_value* is the minimum value that you can specify for this field.

### Action

Specify a value greater than `current_value` (but less than 50) for the Server Workload Process Limit field.

---

**CMMNE0082E The Admin Process Limit cannot be decreased from current value:***current\_value,number*.

### Explanation

The Admin Process Limit determines how many administrative commands (from both the SAN File System console and the command-line interface) can be running at one time. The value `current_value` is the minimum value that you can specify for this field.

### Action

Specify a value greater than `current_value` (but less than 10) for the Admin Process Limit field.

---

**CMMNE0083W You must select at least one engine to collect diagnostic data.**

### Explanation

You must select an engine from the list of engines to collect diagnostic data for that engine.

### Action

Select one or more engines. Then select OK to collect diagnostic data for each selected engine.

---

**CMMNE0084W Are you sure that you want to collect diagnostic data for the following engines? The diagnostic data collection might take a few minutes to complete.** *engine\_list*

### Explanation

You must confirm that you want to collect diagnostic data for the selected engines.

### Action

Click OK to begin collecting diagnostic data. Click Cancel to cancel the diagnostic data collection.

---

**CMMNE0085E The truststore passwords must be the same.**

### Explanation

The truststore password and the verify truststore password fields have different values in them.

**Action**

Change one or both of the passwords so that they match.

---

**CMMNE0086E The RSA passwords must be the same.****Explanation**

The RSA password and the verify RSA password fields have different values in them.

**Action**

Change one or both of the passwords so that they match.

---

**CMMNE0087E The LDAP passwords must be the same.****Explanation**

The LDAP password and the verify LDAP password fields have different values in them.

**Action**

Change one or both of the passwords so that they match.

---

**CMMNE0088W You must select one or more Not Added metadata servers to Add.****Explanation**

Before you can add a metadata server, it must be in the state: Not Added.

**Action**

Select one or more metadata servers that are in a Not Added state. Then select Add to Cluster from the action pulldown list and click Go to add each selected metadata server.

---

**CMMNE0089W You need to select one or more metadata servers to Remove.****Explanation**

Before you can remove a metadata server, it must not be in the Not Added state.

**Action**

Select one or more metadata servers that are not in the Not Added state. Then select Remove from Cluster from the action pulldown list and click Go to remove each selected metadata server.

---

**CMMNE0091W** Are you sure that you want to remove the following metadata servers from the cluster? *server\_list* The following filesets are manually assigned to the metadata servers being removed. They will be reassigned to the remaining metadata servers. *fileset\_list*

**Explanation**

This is a request for confirmation on removing metadata servers and reassigning filesets.

**Action**

Click Remove Servers to remove the metadata servers. Click Cancel to cancel the stop operation.

---

**CMMNE0092W** Are you sure that you want to start the following metadata servers? *server\_list* Any filesets that were manually assigned to these metadata servers will be reacquired from other metadata servers they have migrated to.

**Explanation**

You must confirm that you want to start these metadata servers.

**Action**

Click Start Servers to start the metadata servers. Click Cancel to cancel the stop operation.

---

**CMMNE0093W** Are you sure that you want to add the following metadata servers? *server\_list*

**Explanation**

You must confirm that you want to add these metadata servers.

**Action**

Click Add Servers to add the metadata servers. Click Cancel to cancel the stop operation.

---

**CMMNE0094I** Metadata servers will only be started if their states are: Not running.

**Explanation**

You cannot start one or more of the selected metadata servers because they are in the wrong state. You can only start a metadata server if it is in one of the listed states.



### **Action**

Perform the following actions to resolve the problem:

1. Verify that you are attempting to start the correct metadata server.
2. Wait a few minutes to see if the metadata server changes to a state that can be started.

---

## **CMMNE0095W You must select a log message to see its help information.**

### **Explanation**

You must select a log message from the list of logs to view its help information.

### **Action**

Select a log message. Then select Help from the action pulldown list and click Go to view its help information.

Note: You can only view properties for one fileset at a time.

---

## **CMMNE0096W You must select a client before refreshing the data LUN list.**

### **Explanation**

You must select a client from the list of clients before being able to refresh the data LUN list.

### **Action**

Select a client message. Then press the Refresh button.

---

## **CMMNE0097W You can only select one LUN for the requested action.**

### **Explanation**

Either no LUN has been selected or more than one has been selected for the requested action.

### **Action**

Restrict the number of selected LUNs to one.

---

## **CMMNE0098W A User Storage Pool must be selected when enabling a default pool.**

### **Explanation**

An attempt was made to enable a default storage pool without selecting a pool name.

### Action

Select a pool and resubmit the request.

---

**CMMNE0099W** If the default storage pool is disabled and policies are not correctly configured files will not be stored. Are you sure you want to disable the default storage pool?

### Explanation

You must confirm that you want to disable the default storage pool.

### Action

Click OK to disable the default storage pool Click Cancel to cancel the disable.

---

**CMMNE0100W** You must select a volume to view its clients.

### Explanation

You must select a volume from the list of volumes to view its clients.

### Action

Select a volume. Then select Clients that can access the volume from the action pulldown list and click Go to view its clients.

Note: You can view clients for only one volume at a time.

---

**CMMNE0101W** You must select a client to proceed.

### Explanation

You must select a client from the list of clients before advancing to the add volume page.

### Action

Select a client message. Then press the Next button.

---

**CMMNE0102W** The cluster cannot be started in offline state while in state: *cluster\_state*

### Explanation

You start a cluster in offline state only when it is in either Not Running or Unknown state.

### Action

Perform the following actions to resolve the problem:

1. Wait a few minutes to see if the cluster changes states.
2. Change the state of the cluster to be a state in which the cluster can be started in offline state.

3. Attempt to start the cluster in offline state again.

---

**CMMNE0103I The cluster started in offline state.****Explanation**

The cluster started in offline state as requested.

**Action**

No action is required.

---

**CMMNE0104W You must select a fileset to view placements.****Explanation**

You must select a fileset from the list of filesets to view its placements.

**Action**

Select one of the filesets. Then select Details of the file Placements in Pools from the action pulldown list and click Go to view the placements of the selected fileset.

---

**CMMNE0105W You must select a client before refreshing the Volume and LUN sizes list.****Explanation**

You must select a client from the list of clients before being able to refresh the volume and LUN sizes list.

**Action**

Select a client. Then press the Rediscover button.

---

**CMMNE0106W You must select a client and rediscover before resizing.****Explanation**

You must select a client from the list of clients before being able to resize.

**Action**

Select a client. Then press the Rediscover button.

---

**CMMNE0107W Only one fileset can be selected to view its properties.****Explanation**

You must select only one fileset from the list of filesets to view its properties.

### **Action**

Select only one fileset. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one fileset at a time.

---

## **CMMNE0108W Select one fileset to view its file placements in Storage Pools.**

### **Explanation**

You must select one fileset from the list of filesets to view its placements.

### **Action**

Select one fileset. Then select Details of the File Placements in Pools from the action pulldown list and click Go to view its placements.

Note: You can view placements for only one fileset at a time.

---

## **CMMNE0109W Only one fileset can be selected to view its file placements in Storage Pools.**

### **Explanation**

You must select only one fileset from the list of filesets to view its placements.

### **Action**

Select only one fileset. Then select Details of the File Placements in Pools from the action pulldown list and click Go to view its placements.

Note: You can view placements for only one fileset at a time.

---

## **CMMNE0110W Only one fileset can be selected to attach.**

### **Explanation**

You can select only one fileset from the list of filesets to attach to the global file system.

### **Action**

Select one fileset from the list of filesets. Then select Attach from the action pulldown list and click Go to attach the fileset to the global file system.

Note: You can attach only one fileset at a time.

---

**CMMNE0111W You can select only one fileset to manage FlashCopy images.****Explanation**

You can select one fileset from the list of filesets to manage FlashCopy images for that fileset.

**Action**

Select only one fileset. Then select Manage FlashCopy images from the action pulldown list and click Go to manage the FlashCopy images for that fileset.

Note: You can manage FlashCopy images for only one fileset at a time.

---

**CMMNE0112W You must select a fileset to view placements.****Explanation**

You must select a fileset from the list of filesets to view its placements.

**Action**

Select one of the filesets. Then select Details of the file Placements in Pools from the action pulldown list and click Go to view the placements of the selected fileset.

Note: You can view placements for only one fileset at a time.

---

**CMMNE0113W You can select only one fileset to view placements.****Explanation**

You can only select one fileset from the list of filesets to view its placements.

**Action**

Select one of the filesets. Then select Details of the file Placements in Pools from the action pulldown list and click Go to view the placements of the selected fileset.

Note: You can view placements for only one fileset at a time.

---

**CMMNE0114W You must select one metadata server to view its statistics.****Explanation**

You must select a metadata server to view statistics about the metadata server restart service.

**Action**

Select a metadata server. Then select Statistics from the action pulldown list and click Go to view statistics for the selected metadata server restart service.

---

**CMMNE0115W You must select one metadata server to view its details.**

**Explanation**

You must select a metadata server to view details about the metadata server restart service.

**Action**

Select a metadata server. Then select Details from the action pulldown list and click Go to view details for the selected metadata server restart service.

---

**CMMNE0116W You can only select one metadata server when viewing details.**

**Explanation**

You must select a metadata server to view details about the metadata server restart service.

**Action**

Select a metadata server. Then select Details from the action pulldown list and click Go to view statistics for the selected metadata server restart service.

---

**CMMNE0117W You can only select one engine to view its properties.**

**Explanation**

You must select an engine from the list of engines to view its properties.

**Action**

Select an engine. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one engine at a time.

---

**CMMNE0118W You can only select one FlashCopy image to revert to.**

**Explanation**

You must select a FlashCopy image from the list of FlashCopy images to revert the fileset to that image.

**Action**

Select a FlashCopy image. Then select Revert to from the action pulldown list and click Go to select the method used to revert the fileset to the FlashCopy image.

---

**CMMNE0119W You can only select one FlashCopy image to view its details.**

**Explanation**

You must select a FlashCopy image from the list of FlashCopy images to view details about that image.

**Action**

Select a FlashCopy image. Then select Details from the action pulldown list and click Go to view details about the selected image.

---

**CMMNE0120W You can only select one storage pool to view its properties.**

**Explanation**

You must select a storage pool from the list of storage pools to view its properties.

**Action**

Select a storage pool. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one storage pool at a time.

---

**CMMNE0121W You can only select one volume to view its properties.**

**Explanation**

You must select a volume from the list of volumes to view its properties.

**Action**

Select a volume. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one volume at a time.

---

**CMMNE0122W You can only select one volume to view its clients.**

**Explanation**

You must select a volume from the list of volumes to view its clients.

**Action**

Select a volume. Then select Clients that can access the volume from the action pulldown list and click Go to view its clients.

Note: You can view clients for only one volume at a time.

---

**CMMNE0123W You must select a volume to view its clients.****Explanation**

You must select a volume from the list of volumes to view its clients.

**Action**

Select a volume. Then select Clients that can access the volume from the action pulldown list and click Go to view its clients.

Note: You can view clients for only one volume at a time.

---

**CMMNE0124W You can only select one LUN to view its properties.****Explanation**

You must select a LUN from the list of LUNs to view its properties.

**Action**

Select a LUN. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one LUN at a time.

---

**CMMNE0125W You can only select one LUN to view its clients.****Explanation**

You must select a LUN from the list of LUNs to view its clients.

**Action**

Select a LUN. Then select Clients that can access the LUN from the action pulldown list and click Go to view its clients.

Note: You can view clients for only one LUN at a time.

---

**CMMNE0126W You must select a LUN to see its clients.****Explanation**

You must select a LUN from the list of LUNs to view its clients.

**Action**

Select a LUN. Then select Clients that can access the LUN from the action pulldown list and click Go to view its clients.

Note: You can view clients for only one LUN at a time.



---

**CMMNE0127W You can only select one inactive policy to activate.****Explanation**

You must select an inactive policy from the list of policies to activate it. If another policy is currently active, it will automatically be deactivated.

**Action**

Select an inactive policy. Then select Activate from the action pulldown list and click Go to activate that policy.

---

**CMMNE0128W You can only select one policy to view its properties.****Explanation**

You must select a policy from the list of policies to view its properties.

**Action**

Select a policy. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one policy at a time.

---

**CMMNE0129W You can only select one metadata server to view its properties.****Explanation**

You must select a metadata server from the list of metadata servers to view its properties.

**Action**

Select a metadata server. Then select Properties from the action pulldown list and click Go to view its properties.

Note: You can view properties for only one metadata server at a time.

---

**CMMNE0130W Are you sure that you want to remove the following metadata servers from the cluster? *server\_list* There are no filesets manually assigned to the metadata servers being removed.****Explanation**

This is a request for confirmation on removing metadata servers.

**Action**

Click Remove Servers to remove the metadata servers. Click Cancel to cancel the stop operation.

---

**CMMNE0131I Fileset *fileset\_list* successfully created.****Explanation**

Acknowledgement that a fileset was created.

**Action**

Click OK to close the window.

---

**CMMNE0132I Policy *policy\_list* successfully created.****Explanation**

Acknowledgement that a policy was created.

**Action**

Click OK to close window.

---

**CMMNE0133I The Volumes have been successfully removed.****Explanation**

The remove volume request has finished.

**Action**

Click OK to return to the volume list page.

---

**CMMNE0134W You can only select one log message to view its help information.****Explanation**

You can only select one log message from the list of logs to view its help information.

**Action**

Select one log message. Then select Help from the action pulldown list and click Go to view its help information.

Note: You can view properties for only one fileset at a time.

---

**CMMNE0135E The LDAP Server IP Address is invalid.****Explanation**

The LDAP Server IP address must be in a valid format.

**Action**

Correct the LDAP Server IP Address.

---

**CMMNE0136E You must select a client to perform the file move.**

**Explanation**

You must select a client from the list of clients before being able to move files.

**Action**

Select a client. Then press the Move button.

---

**CMMNE0137W You must enter one or more filenames to move and select a pool in which you want to move them.**

**Explanation**

You must enter one or more filenames separated by commas to be moved, and select a pool prior to clicking the submit button.

**Action**

Enter one or more filenames separated by commas. Select the pool in which you want to move the files, and then click the submit button.

---

**CMMNE0138W You must enter one or more filenames to display file details.**

**Explanation**

You must enter one or more filenames separated by commas to show details, prior to clicking the detail button.

**Action**

Enter one or more filenames separated by commas. Then click the detail button.

---

**CMMNE0139W Are you sure that you want to delete the following User Maps? *usermap\_list***

**Explanation**

You must confirm that you want to delete the listed usermaps.

**Action**

Click Delete to delete the listed user maps. Click Cancel to cancel the delete operation.

---

**CMMNE0140W You can select only one user map to edit.**

**Explanation**

You must select one and only one user map before editing.

**Action**

Select a single user map, then select edit.

---

**CMMNE0141W You must select one or more user maps to delete.****Explanation**

You must select one or more user maps before deleting.

**Action**

Select one or more user maps, then select delete.

---

**CMMNE0142W You must select one or more user maps to refresh.****Explanation**

You must select one or more user maps before refreshing.

**Action**

Select one or more user maps, then select refresh.

---

**CMMNE0143I The following User Map was successfully created:**

*usermap\_list*

**Explanation**

The user map displayed was created successfully.

**Action**

No action required.

---

**CMMNP5001E Unknown error or prompt.****Explanation**

The system encountered an unexpected error.

**Action**

Run the task again. If the error persists, contact your service representative.

---

**CMMNP5002I 0k.****Explanation**

The command completed successfully.

**Action**

No action needed.

---

**CMMNP5003E The feature is not supported in the current release.****Explanation**

The action performed is not supported with the current release of the product.

**Action**

Upgrade to a version that supports the action or stop using this feature.

---

**CMMNP5004E Access failed.****Explanation**

Action failed due to invalid permissions or being unable to find a device.

**Action**

Verify that the access permissions are correct, and then try the action again.

---

**CMMNP5005E Already defined.****Explanation**

You are attempting to perform an operation using a name that is already in use.

**Action**

Perform the operation again, specifying a different name.

---

**CMMNP5006E Command failed.****Explanation**

A command that you entered could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the failure of the command.
  2. View the cluster log and correct any errors that might be related to the failure of the command.
  3. Run the command again.
  4. Contact your support representative.
- 

**CMMNP5007E In use.****Explanation**

You cannot perform this task because the object on which this task will be performed is currently in use.

### **Action**

Wait until the object is not in use and perform the task again.

---

## **CMMNP5008E Index error.**

### **Explanation**

Index into object incorrect.

### **Action**

Retry the action.

---

## **CMMNP5009E Insufficient space.**

### **Explanation**

You are attempting to perform an operation on an object, and the object requires more space than what is available.

### **Action**

Make sure that there is sufficient space before attempting to perform the operation again.

---

## **CMMNP5010E Integrity lost. Corruption detected. Tip: Refer to the cluster log for status information and report details.**

### **Explanation**

The SAN File System has detected corruption in the metadata.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the cluster log to obtain information about the metadata corruption.
  2. Perform a check metadata operation, specifying that you want to repair all problems found in the metadata.
    - a. If you are using the administrative command-line interface, run the `filesystemcheck` command.
    - b. If you are using the SAN File System console, from the main menu, click Maintain System and then click Check Metadata.
  3. Contact your support representative.
- 

## **CMMNP5011E *variable\_class name variable\_object\_name* is not valid. It contains unsupported characters.**

### **Explanation**

You cannot perform this task because the name you have chosen is not valid.

### Action

Perform this task again using a valid file name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-), and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

## **CMMNP5012E** *variable\_method*: A specified parameter is not valid.

### Explanation

One of the parameters you specified is not valid.

### Action

Make sure that all of the parameters you specify are valid.

---

## **CMMNP5013E** Size is not valid.

### Explanation

The size for the volume is not valid. It must be equal to or greater than the size of one partition for user storage pools. For the system storage pool, it must be the same size as existing volumes.

### Action

Make sure that the volume is a valid size.

---

## **CMMNP5014E** I/O failed.

### Explanation

There was an I/O failure on the device against which you were performing a command.

### Action

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the I/O failure.
2. View the cluster log and correct any errors that might be related to the I/O failure.
3. Contact your support representative.

---

**CMMNP5015E Default (in any combination of uppercase or lowercase letters) is reserved.**

**Explanation**

You are trying to perform an operation on the default storage pool or default policy. The requested operation is not allowed on the default storage pool or policy.

**Action**

Perform the operation against a different storage pool or policy.

---

**CMMNP5016E Is referenced.**

**Explanation**

You cannot perform this operation on the specified object because the object is active or is referenced by another object.

**Action**

Wait until the object is not active before attempting to perform this operation.

---

**CMMNP5017E System (in any combination of uppercase or lowercase letters) is reserved.**

**Explanation**

You are attempting to perform an operation on an object that is a system object. You cannot perform this operation on a system object.

**Action**

Perform this operation on another object, not on a system object.

---

**CMMNP5018E Error sending message to the metadata server. Make sure that the metadata server is online.**

**Explanation**

The master metadata server could not communicate with a subordinate metadata server.

**Action**

Make sure that the subordinate metadata server is online. If the problem continues, contact your service representative.



---

**CMMNP5019E Your current user permissions do not allow running *variable\_method*.**

**Explanation**

A required parameter for the command was detected as missing. This is usually caused by the user not having sufficient privileges to access the element using a command.

**Action**

Make sure you have sufficient access privileges for modifying the system in the capacity that you are attempting. Run the command again.

---

**CMMNP5020E Name exists.**

**Explanation**

You cannot complete the specified task because the name you are using already exists.

**Action**

Specify a name that does not exist.

---

**CMMNP5021E No memory.**

**Explanation**

The SAN File System is out of dynamic memory.

**Action**

Perform these actions in this order to resolve the problem:

1. View the cluster log and correct any errors that might be related to this problem.
  2. Restart the metadata server that ran out of memory.
  3. Contact your service representative.
- 

**CMMNP5022E Not attached.**

**Explanation**

The operation that you are performing requires a fileset to be attached. The fileset on which you are performing this operation is not currently attached.

**Action**

Make sure the fileset is attached and attempt to perform this operation again.

---

**CMMNP5023E** The *variable\_class variable\_object\_name* could not be found.

**Explanation**

You cannot perform the specified operation because the object on which the operation is to be performed was not found.

**Action**

Make sure that you attempt to perform the specified operation on an existing object.

---

**CMMNP5024E** *variable\_method* must be issued from the primary administrative server.

**Explanation**

To perform this operation, you must be connected to the primary administrative server.

**Action**

Perform these actions in this order to resolve the problem:

1. Make sure you are accessing the primary administrative server, which provides you with administrative access to the master metadata server. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the administrative log and resolve any problems related to the primary administrative server.
3. View the cluster message log and resolve any problems related to the master metadata server.
4. Contact your service representative.

---

**CMMNP5025E** *variable\_method* cannot be performed because the server or cluster is in an incompatible state (not viable). **Tip:** Some configuration settings require that you restart the server or cluster to activate a previous change. If that is not the case, be sure that you are not attempting to reattach a fileset with a directory name that is also in the directory path of the attach point.

**Explanation**

This message indicates that while the operation you are trying to perform is a valid operation, the context in which you are performing it is not valid. For example, if you attempt to reattach a fileset and the directory name of the fileset is in the directory path of the attach point, you receive this message.

### **Action**

Make sure the operation you are performing is valid for the situation.

---

## **CMMNP5026E Administrative server timed out.**

### **Explanation**

You are performing an operation that has taken longer than expected.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. Attempt to perform this operation again.
  3. If the problem continues, contact your service representative.
- 

## **CMMNP5027E Policy bind errors.**

### **Explanation**

You are attempting to activate a policy, but the policy is not valid. It might reference rules within the policy reference storage pools or filesets that are not available.

### **Action**

Make sure all storage pools and filesets referenced by the policy are available. You can also activate a different policy.

---

## **CMMNP5028E Policy syntax error.**

### **Explanation**

An error was encountered while validating the policy.

### **Action**

Correct the error identified with the policy and resubmit.

---

## **CMMNP5029E Is root.**

### **Explanation**

You are attempting to perform an operation on the root fileset, but this operation is not allowed on the root fileset.

### **Action**

Perform this operation on a fileset other than the root fileset.

---

**CMMNP5030E Storage pool not found.****Explanation**

You specified a storage pool to which the volume will be added, but the storage pool does not exist.

**Action**

Make sure that you specify an existing storage pool to add the volume.

---

**CMMNP5031E Subordinate error.****Explanation**

Failure in communicating with subordinate server.

**Action**

Retry the action.

---

**CMMNP5032E Transaction failed.****Explanation**

The operation that you are performing failed because of other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

**CMMNP5033E Unknown command.****Explanation**

The command provided is unknown.

**Action**

Do not use this command.

---

**CMMNP5034E Volume in use.****Explanation**

You cannot perform the operation on the volume because it is currently in use.

**Action**

Wait until the volume is no longer in use before attempting to perform the operation.

---

**CMMNP5035E Volume not found.****Explanation**

You cannot perform the operation on this volume because the volume does not exist.

**Action**

Perform this operation on an existing volume.

---

**CMMNP5036E Allocations already suspended.****Explanation**

You cannot suspend allocations to this volume because they have already been suspended.

**Action**

No action is required.

---

**CMMNP5037E Allocations were not previously suspended.****Explanation**

You cannot activate allocations to this volume because allocations are already activated.

**Action**

No action is required.

---

**CMMNP5038E Is attached.****Explanation**

You cannot perform the operation against this fileset because the fileset is already attached or has nested filesets.

**Action**

Detach all nested filesets and detach this fileset before attempting to perform this operation.

---

**CMMNP5039I End of iteration.****Explanation**

No more object elements in iteration.

### **Action**

If the problem persists, contact your support representative.

---

## **CMMNP5040E Iteration identifier is not valid.**

### **Explanation**

Handle to iteration is not correct.

### **Action**

If the problem persists, contact your support representative.

---

## **CMMNP5041E File not found.**

### **Explanation**

The administrative server could not find the specified log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the log again.
  2. Contact your service representative.
- 

## **CMMNP5042E Cannot read file.**

### **Explanation**

The administrative server has encountered an error while reading the specified log.

### **Action**

Wait a few minutes and attempt to display the log again.

---

## **CMMNP5043I Unable to reach all metadata servers in the cluster. The displayed information includes log messages from only a limited number of metadata servers.**

### **Explanation**

The administrative server cannot access log data for all metadata servers in the cluster. Therefore, the displayed data will not be complete.

### **Action**

Perform these actions in this order to resolve the problem:

1. Verify that all metadata servers in the cluster are accessible. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the cluster log and resolve any problems that might be related to the availability of the metadata servers in the cluster.

3. View the administrative log and resolve any problems that might be related to the log data access.

---

**CMMNP5044E Table is full.****Explanation**

There are a maximum of 32 FlashCopy images that can be created for a fileset. You cannot create a FlashCopy image of the fileset because there are already 32 images created.

**Action**

To create a FlashCopy image, delete one or more existing FlashCopy images. Alternatively, you can force the creation of the FlashCopy image, which automatically deletes the oldest FlashCopy image for this fileset before creating the new image.

---

**CMMNP5045E Directory exists.****Explanation**

You are attempting to perform an operation on a FlashCopy image or a fileset, but the directory you specified already exists.

**Action**

Attempt to perform the operation again, specifying a directory that does not exist.

---

**CMMNP5046E Incompatible operation.****Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time.

**Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

**CMMNP5047E Metadata server not found.****Explanation**

The metadata server on which this operation will be performed cannot be found.

**Action**

Make sure that you perform this operation on an existing metadata server. You can verify that the metadata server is part of the cluster and is available. From the administrative command-line interface, run the `lsserver` command. From the SAN File System console, view the Servers panel.

---

**CMMNP5048E Cluster state is not valid.****Explanation**

You cannot perform this operation because the cluster is not in a valid state.

**Action**

Make sure the cluster is in a state that is valid for the operation you are performing. If the problem continues, contact your service representative.

---

**CMMNP5049E Diskscan failed.****Explanation**

Attempts to scan the disk failed.

**Action**

Manually check the target hardware for access problems.

---

**CMMNP5050E Disk not found.****Explanation**

The requested disk could not be found.

**Action**

Provide an available disk.

---

**CMMNP5051E Disk access denied.****Explanation**

Access to the requested disk has been denied.

**Action**

Fix the reason for the access violation and attempt the call again.

---

**CMMNP5052E Not labeled.****Explanation**

The object is not correctly identified.

**Action**

Retry the action. If the problem continues, contact your service representative.



---

**CMMNP5053E Already labeled.****Explanation**

The object is not correctly identified.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5054E Disk not viable.****Explanation**

The volume does not hold at least one partition or Local OSDeviceName is not viable as a global hash.

**Action**

Correct the problem and retry the action.

---

**CMMNP5055E Duplicate master.****Explanation**

More than one master server has been detected.

**Action**

If the problem continues, contact your service representative.

---

**CMMNP5056E Not the master disk.****Explanation**

This is not the master disk.

**Action**

Provide the master disk.

---

**CMMNP5057E Wrong disk identifier.****Explanation**

The identifier for the disk is incorrect.

**Action**

Provide the correct disk identifier and attempt the call again.

---

**CMMNP5058E Access denied.****Explanation**

Access to the object was denied.

**Action**

Determine and fix the reasons for the access problem and attempt the call again.

---

**CMMNP5059E Not enough resources to perform the action.****Explanation**

A specified device is out of storage capacity.

**Action**

Identify the full device, increase the storage capacity on the device, and try your call again.

---

**CMMNP5060E Not a subordinate.****Explanation**

You must perform this operation from a subordinate metadata server, not from the master metadata server.

**Action**

Connect to a subordinate metadata server and attempt to perform the operation again.

---

**CMMNP5061E State of subordinate is not valid.****Explanation**

You must run the setmaster command from a subordinate metadata server, not from the master metadata server.

**Action**

Connect to a subordinate metadata server and attempt to run the setmaster command again.

---

**CMMNP5062E Canceled.****Explanation**

A metadata check was in progress, but a stop metadata check request has canceled this metadata check.

**Action**

If you intended to cancel the metadata check currently in progress, no action is required. Otherwise, attempt to start a metadata check again.

---

**CMMNP5063E Could not connect to the metadata server, so your action could not be completed.**

**Explanation**

The primary administrative agent is unable to connect to the master metadata server. Therefore, the operation cannot be completed. This message can occur because you need to start the master metadata server or because there are problems with the connection protocol.

**Action**

Perform the following actions to resolve this problem.

1. Make sure the master metadata server is started and is online.
2. Check the cluster log for any additional errors related to this problem.
3. Make sure that the primary administrative agent can communicate with the master metadata server.
4. Contact your service representative.

---

**CMMNP5064E Exceeded the connection limit to the metadata server. Try again later.**

**Explanation**

The number of connections to the metadata server is already at the maximum limit. Your request exceeds those limits.

**Action**

Wait a few minutes and make your request again. Alternatively, you can increase the Administrative process limits.

---

**CMMNP5065E Already enabled.**

**Explanation**

You attempted to enable the automatic restart service, but it is already enabled.

**Action**

No action is required.

---

**CMMNP5066E Already disabled.**

**Explanation**

You attempted to disable the automatic restart service, but it is already disabled.

**Action**

No action is required.

---

**CMMNP5067E Metadata server is offline.****Explanation**

You are attempting to perform an operation on a fileset, but the metadata server to which the fileset is assigned is offline. The operation cannot be completed.

**Action**

Change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNP5068E Could not save the server restart service state.****Explanation**

The server restart service state could not be persisted.

**Action**

No action is required.

---

**CMMNP5069E Could not become the master metadata server.****Explanation**

The previous master server still believes it is the master or this master server is unable to communicate with the remote administrative servers.

**Action**

No action required.

---

**CMMNP5070E *variable\_method* already in progress.****Explanation**

An upgrade is already in progress.

**Action**

No action required.

---

**CMMNP5071E *variable\_class* already up to date.****Explanation**

The committed software version is the same as the upgrade version.

**Action**

No action required.

---

**CMMNP5072E Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.**

**Explanation**

All of the metadata servers must be at the same software level for the operation to succeed. Also, any connected SAN File System client must have a software version compatible to the current metadata server version.

**Action**

Make sure that the current software version of all the metadata servers is the same. If they are not, upgrade the metadata servers in the cluster so that they are all at the same software level prior to reattempting the operation. Also, ensure that all SAN File System clients connected to the metadata server are at compatible software versions. You must shutdown any clients that are not compatible. Retry the operation.

---

**CMMNP5073E Could not communicate with the RSA II card.**

**Explanation**

The SAN File System cannot communicate with the RSA II adapter card on an engine.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that the RSA II adapter for the engine is functioning correctly.
2. Verify that there is connectivity to the RSA II adapter for the engine.
3. Wait a few minutes and attempt to perform the operation again.
4. Contact your service representative.

---

**CMMNP5074E Hard quota violation.**

**Explanation**

The SAN File System has detected a hard quota violation for a fileset. This error might occur if you are attempting to switch from a soft quota to a hard quota for a fileset, and the change would cause a violation of the hard quota.

**Action**

If you are attempting to modify a hard quota for a fileset, make sure that the percentage of the fileset currently being used does not exceed the hard quota limit. If the problem persists, contact your support representative.

---

**CMMNP5075I Metadata checker detected and repaired corruptions successfully. Tip: Refer to the cluster log for completion status and report details.**

**Explanation**

Metadata checker detected and repaired corruptions successfully. Completion status and report details are written to the cluster log.

**Action**

For complete details, refer to the cluster log.

---

**CMMNP5076E Metadata server configuration parameters do not match.**

**Explanation**

The configuration parameter values in the cluster do not match the values in the server that is being added.

**Action**

Restart the server. If the problem persists, contact your support representative.

---

**CMMNP5077E One or more configuration parameters are not valid.**

**Explanation**

The configuration parameter values in the cluster do not match the values in the server that is being added.

**Action**

Restart the server. If the problem persists, contact your support representative.

---

**CMMNP5078E *variable\_class* name *variable\_object\_name* does not exist.**

**Explanation**

Object does not exist.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5079I *variable\_class* *variable\_object\_name* was created successfully.**

**Explanation**

The storage pool was created successfully.

### Action

No action is required.

---

**CMMNP5080E** Cannot create a *variable\_class* with the name *variable\_object\_name* as this is a reserved system label.

### Explanation

You are trying to create a pool with the name DEFAULT. However, DEFAULT is a reserved system label.

### Action

To create a storage pool, use another storage pool name.

---

**CMMNP5081E** Cannot create a *variable\_class* with the name *variable\_object\_name* as this is a reserved system label.

### Explanation

The system storage pool is used to store SAN File System metadata. Therefore, you cannot create a storage pool using the name SYSTEM.

### Action

Specify a different name for the storage pool that you are creating.

---

**CMMNP5082E** *variable\_class variable\_object\_name* already exists.

### Explanation

You cannot create a storage pool with the name that you specified because that name is being used for an existing storage pool.

### Action

Specify a different name for the storage pool that you are creating.

---

**CMMNP5083I** *variable\_class variable\_object\_name* was removed successfully.

### Explanation

The storage pool was deleted successfully.

### Action

No action is required.

---

**CMMNP5084E** *variable\_class* name *variable\_object\_name* is not empty or is referenced by stale objects.

**Explanation**

You cannot delete this storage pool because it contains volumes or is referenced by deleted objects that have yet to be garbage collected.

**Action**

Perform the following actions to remove this storage pool:

1. Make sure that the storage pool does not contain volumes by removing all volumes from the storage pool.
2. Wait a few minutes for the deleted object system space to be reclaimed. After that attempt to delete the storage pool again.

---

**CMMNP5085E** Cannot delete the default *variable\_class*.

**Explanation**

You cannot delete the default storage pool.

**Action**

To delete this storage pool, you must first set another storage pool as the default.

---

**CMMNP5086E** Is Referenced.

**Explanation**

You cannot delete the fileset because it is currently referenced by the active policy.

**Action**

To delete this fileset, you must first ensure that the active policy does not reference it. Therefore, you must either activate another policy or edit the currently active policy to remove all references to this fileset.

---

**CMMNP5087E** Cannot delete the system *variable\_class*.

**Explanation**

The system storage pool is used to store SAN File System metadata. Therefore, you cannot delete the system storage pool.

**Action**

If you need to delete a storage pool, select another storage pool.



---

**CMMNP5088E** Cannot rename the *variable\_class* with the name *variable\_name* as this is a reserved system label.

**Explanation**

You cannot change the name of the storage pool to DEFAULT because it is reserved.

**Action**

To move this storage pool, you must specify another name.

---

**CMMNP5089E** Cannot rename the *variable\_class* with the name *variable\_name* as this is a reserved system label.

**Explanation**

The system storage pool is used to store SAN File System metadata. Therefore, you cannot change the name of the system storage pool.

**Action**

Do not attempt to change the name of the system storage pool.

---

**CMMNP5090E** New *variable\_class* name *variable\_name* already exists.

**Explanation**

You cannot change the name of the storage pool because a storage pool with that name already exists.

**Action**

Specify a different name for the storage pool.

---

**CMMNP5091I** *variable\_class* *variable\_object\_name* is now the default pool.

**Explanation**

The default storage pool was set successfully.

**Action**

No action is required.

---

**CMMNP5092E** Cannot change the default *variable\_class*.

**Explanation**

You are attempting to set a storage pool as the default, but it is already the default storage pool.

### Action

If you want this storage pool to be the default storage, no action is required. Otherwise, select another storage pool to set as the default.

---

**CMMNP5093E Cannot set the SYSTEM *variable\_class* to be the default storage pool.**

### Explanation

The system storage pool is used to store SAN File System metadata. Therefore, you cannot set the system storage pool to be the default storage pool.

### Action

Select another storage pool to set as the default storage pool.

---

**CMMNP5094I *variable\_class variable\_object\_name* was modified successfully.**

### Explanation

The storage pool was changed successfully.

### Action

No action is required.

---

**CMMNP5095E Cannot change the description of system *variable\_class*.**

### Explanation

Your attempt to change the system pool description is not allowed.

### Action

No action required.

---

**CMMNP5096I *variable\_class variable\_object\_name* was created successfully.**

### Explanation

The volume was created successfully.

### Action

No action is required.

---

**CMMNP5097E Access denied for *variable\_device* specified by *-device*.**

**Explanation**

The SAN File System could not access the specified storage device name.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that the device name exists and is accessible to the metadata server.
2. If the device is accessible, verify that the permissions on the device are set correctly.
3. Verify that the device name was entered correctly.
4. If the problem continues, contact your support representative.

---

**CMMNP5098E SAN File System label already exists on device *variable\_device*, and it is also already defined as another *variable\_class*.**

**Explanation**

The SAN File System detected a label that recognizes the LUN (as represented by the device name) as potentially a part of another SAN File System.

**Action**

Perform these actions in this order to resolve the problem:

1. List all available LUNs. From the administrative command-line interface, run the `lslun` command. From the SAN File System Console, click Available LUNs from the Storage Pools General Settings panel.
2. Make sure that you are adding an available LUN as a volume.

---

**CMMNP5099E SAN File System label already exists on device *variable\_device*. Use *-f* to overwrite the SAN File System label on *variable\_device*.**

**Explanation**

The SAN File System detected a label that recognizes the LUN (as represented by the device). It might be part of another SAN File System.

**Action**

Make sure that the LUN as represented by the device is not part of any SAN File System. Then, attempt to create the volume again, using the force option to have the SAN File System ignore the existing label.

---

**CMMNP5100E Parameters for volume *variable\_object\_name* are not valid.**

**Explanation**

Invalid parameter for volume create command.

**Action**

Retry the action with valid parameters.

---

**CMMNP5101E Disk not viable.**

**Explanation**

The LUN given by the device name is not viable as a volume. The properties of the LUN make the addition of the volume to a storage pool not viable. Potential reasons include:

- The LUN does not hold at least one partition.
- The local operating system device name is not viable as a global disk.
- Hashing using World Wide Name (WWN) conflicts.
- The sector size is less than 512 or greater than 4096.
- If it is being added to the system pool, the sector size is not the same as the other volumes in the system pool.

**Action**

Make sure that the LUN is configured appropriately and attempt to create the volume again. Alternatively, you can select another LUN.

---

**CMMNP5102E Input/output for device *variable\_device* specified by -device failed.**

**Explanation**

Device name is invalid.

**Action**

Correct the device name and retry the command.

---

**CMMNP5103E *variable\_class* name *variable\_object\_name* already exists.**

**Explanation**

An attempt was made to create a volume with a name that already exists as a volume.

**Action**

Attempt to create the new volume with a different name or remove the old volume prior to creating the new one.

---

**CMMNP5104E** Device specified by `-device` is not valid. Local device `variable_device` does not exist.

**Explanation**

You are attempting to create a volume, but the device you specified does not exist.

**Action**

Make sure that you specify a valid device name when creating a volume.

---

**CMMNP5105E** Storage pool `variable_pool` specified by `-pool` does not exist.

**Explanation**

You specified a storage pool to add the volume, but the storage pool does not exist.

**Action**

Make sure that you specify an existing storage pool to add the volume.

---

**CMMNP5106I** `variable_class variable_object_name` was removed successfully.

**Explanation**

The volume was deleted successfully.

**Action**

No action is required.

---

**CMMNP5107E** Access denied for `variable_object_name`.

**Explanation**

The user who attempted to delete a volume did not have the correct permissions to access the volume.

**Action**

Remove the volume as a user who has permission to that volume.

---

**CMMNP5108E** Access failed for `variable_object_name`.

**Explanation**

Server could not access the volume.

**Action**

Verify that the volume exists, and retry the command.

---

**CMMNP5109E Input/output failed on rmvol.****Explanation**

Device IO failed while attempting to delete the volume.

**Action**

Verify that the volume exists, and retry the command.

---

**CMMNP5110E *variable\_class* name *variable\_object\_name* is in use.****Explanation**

You are attempting to remove a volume, but the volume is not empty. It has files allocated to it.

**Action**

Perform one of the following actions to remove the volume:

- Wait until the volume no longer has files allocated to it before attempting to delete it. You can run the `reportvolfiles` command from the administrative command-line.
  - Attempt to force the removal of the volume. Note that if you force the removal of the volume, all files that exist on the volume will be deleted. This delete process includes any partial file data that exists on other volumes.
- 

**CMMNP5111E *variable\_class* name *variable\_object\_name* does not exist.****Explanation**

You cannot delete this volume because it does not exist.

**Action**

Make sure that the volume exists before you attempt to delete it.

---

**CMMNP5112E There is not enough space on other volumes to move the volume contents.****Explanation**

When you remove a volume and you do not force the removal, the SAN File System redistributes the contents of the volume to other volumes in the storage pool. You cannot delete the volume because there is not enough space to move the existing volume contents, and you did not select a forced removal.

**Action**

Perform one of the following actions to delete this volume:

- Make sure that there is enough space on other volumes in the storage pool to move the contents of this volume.

- Attempt to force the removal of the volume. Note that if you force the removal of the volume, all data associated with that volume will be deleted. This delete process includes corresponding partial files on another volume.

---

**CMMNP5113E** The *variable\_class variable\_object\_name* has files from a fileset assigned to a metadata server that is offline.

**Explanation**

You are attempting to delete a volume. However, there are files in this volume from a fileset that is assigned to an offline metadata server. The deletion cannot be completed.

**Action**

Change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNP5114I** Ok.

**Explanation**

Action successful.

**Action**

No action required.

---

**CMMNP5115E** Access denied for *variable\_object\_name*.

**Explanation**

Access failed while getting a list of files on volume entry.

**Action**

Retry the command.

---

**CMMNP5116E** Access failed for *variable\_object\_name*.

**Explanation**

Access failed while getting list of files on volume entry.

**Action**

Retry command.

---

**CMMNP5117E** *variable\_class variable\_object\_name* is in the system pool.

**Explanation**

Cannot list the files on a system volume.

### Action

No action required.

---

**CMMNP5118E** *variable\_class* name *variable\_volume\_name* is not valid.  
It contains unsupported characters.

### Explanation

You are attempting to rename a volume, but the new name contains characters that are not supported.

### Action

Rename the volume again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNP5119E** New *variable\_class* *variable\_name* already exists.

### Explanation

You cannot rename the volume because a volume with the new name already exists.

### Action

Specify a different name for the volume.

---

**CMMNP5120I** 0k.

### Explanation

Action successful.

### Action

No action required.

---

**CMMNP5121I** *variable\_class* *variable\_object\_name* is not a user volume.

### Explanation

The files on a system volume cannot be reset.

### Action

No action required.



---

**CMMNP5122I** No files were found on *variable\_class*  
*variable\_object\_name*.

**Explanation**

No files were found on the specified volume.

**Action**

No action required.

---

**CMMNP5123I** *variable\_class* *variable\_object\_name* **activated.**

**Explanation**

The volume was reactivated successfully.

**Action**

No action is required.

---

**CMMNP5124E** Access denied for *variable\_object\_name*.

**Explanation**

Access was denied for the attempt to resume suspended partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5125E** Access failed for *variable\_object\_name*.

**Explanation**

Access failed for attempt to resume suspended partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5126E** *variable\_class* **name** *variable\_object\_name* **does not exist.**

**Explanation**

You cannot activate this volume because the volume does not exist.

**Action**

Make sure that you activate a volume that currently exists.

---

**CMMNP5127E** *variable\_class* **name** *variable\_object\_name* **is not suspended.**

**Explanation**

You cannot activate allocations to this volume because allocations are already activated.

**Action**

No action is required.

---

**CMMNP5128I** *variable\_class* *variable\_object\_name* **suspended.**

**Explanation**

The volume was suspended successfully.

**Action**

No action is required.

---

**CMMNP5129E** **Access denied for** *variable\_object\_name*.

**Explanation**

Access was denied for the attempt to suspend partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5130E** **Access failed for** *variable\_object\_name*.

**Explanation**

Access failed when attempting to suspend partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5131E** *variable\_class* *variable\_object\_name* **does not exist.**

**Explanation**

You cannot suspend this volume because the volume does not exist.

**Action**

Make sure that you suspend a volume that already exists.

---

**CMMNP5132E** *variable\_class* name *variable\_object\_name* is not activated.

**Explanation**

You cannot suspend allocations to this volume because the volume is not currently an active volume. You can only suspend active volumes.

**Action**

No action is required.

---

**CMMNP5133I** *variable\_class* *variable\_object\_name* was modified successfully.

**Explanation**

The volume was changed successfully.

**Action**

No action is required.

---

**CMMNP5134I** *variable\_class* *variable\_fileset\_name* attached to directory *variable\_dir*.

**Explanation**

The fileset was attached successfully.

**Action**

No action is required.

---

**CMMNP5135E** Attach directory *variable\_dir* is not valid.

**Explanation**

The directory specified for the fileset attachment is not valid.

**Action**

Select a valid directory to attach fileset.

---

**CMMNP5136E** Attach directory *variable\_directory* already exists.

**Explanation**

You cannot attach the fileset to the directory *directory* because a directory with the same name already exists in the directory path. When attaching a fileset, the attach point (directory path including the root of the global namespace) must exist, but the actual directory cannot exist. It is created during the attachment process.

### Action

Attach the fileset again, specifying a directory name that does not currently exist.

---

## **CMMNP5137E Attach point *variable\_attach* does not exist.**

### Explanation

You cannot attach the fileset to this attach point (directory path including the root of the global namespace) because it does not exist. The attach point must exist before you can attach a fileset to the attach point.

### Action

Perform one of these actions to resolve the problem:

- Ensure that the attach point exists and attempt to attach the fileset again.
  - Attach the fileset to an attach point that exists.
- 

## **CMMNP5138E The combination of path and directory name makes the attach not viable.**

### Explanation

You are attempting to reattach a fileset and you specified that a directory name of the fileset is in the directory path of the attach point. For example, assume you have a fileset called *c1dir*. If you attempted to reattach this fileset to */sanfs/c1dir/c2dir*, you receive this message.

### Action

Make sure the directory name of the fileset is not in the existing directory path of the attach point when reattaching the fileset.

---

## **CMMNP5139E *variable\_class* name *variable\_fileset\_name* is already attached to another location.**

### Explanation

You cannot attach the fileset because it is already attached to another location.

### Action

To attach the fileset to this location, you must first detach the fileset from the location to which it is currently attached.

---

## **CMMNP5140I *variable\_class* *variable\_fileset\_name* assigned to metadata server *variable\_server*.**

### Explanation

The metadata server associated with the fileset was changed successfully.

### **Action**

No action is required.

---

## **CMMNP5141E The fileset is already assigned to the same metadata server.**

### **Explanation**

You are attempting to change the metadata server to which a fileset is assigned. The selected fileset is already assigned to the target metadata server.

### **Action**

If you want to assign the fileset to that metadata server, no action is required. Otherwise, attempt to assign the fileset to a different metadata server.

---

## **CMMNP5142E You cannot modify the metadata server to which the root fileset is assigned.**

### **Explanation**

The root fileset is always assigned to the master metadata server. You cannot modify this assignment.

### **Action**

Do not attempt to change the metadata server to which the root fileset is assigned.

---

## **CMMNP5143E Metadata server change transaction failed.**

### **Explanation**

The metadata server could not be changed because of other concurrent administrative activity that is occurring.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

**CMMNP5144E** The command to assign fileset *variable\_class* *variable\_fileset\_name* to metadata server *variable\_server* failed as it conflicts with the current state or other activity in the cluster.

**Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time. Another possible reason is that the cluster is in partly quiescent or fully quiescent state.

**Action**

Wait a few minutes and then attempt this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task. Also make sure that the cluster is in either online or offline state.

---

**CMMNP5145E** Metadata server *variable\_server\_name* does not exist.

**Explanation**

You cannot change the assignment of the fileset to the metadata server *server\_name* because a metadata server with that name does not exist.

**Action**

Make sure that you perform this operation on an existing metadata server. To verify that the metadata server is part of the cluster and is available (online, offline, or inactive):

- From the administrative command-line interface, run the `lserver` command.
- From the SAN File System console, view the Servers panel.

---

**CMMNP5146E** Cluster or metadata server is not in a valid state.  
**Tip:** The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.

**Explanation**

The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.

**Action**

Verify the correct state of the current and target metadata servers, and retry the command.

---

**CMMNP5147I** *variable\_class variable\_fileset\_name* was created successfully.

**Explanation**

The fileset was created successfully.

**Action**

No action is required.

---

**CMMNP5148E** The fileset *variable\_fileset\_name* already exists.

**Explanation**

You cannot create a fileset with the name you specified because that name is already being used for an existing fileset.

**Action**

Specify a different name for the fileset that you are creating.

---

**CMMNP5149E** Attach point *variable\_attach* does not exist.

**Explanation**

You are attempting to create a fileset but the attach point does not exist. The attach point is used to specify where within the global namespace the fileset will be attached, so the attach point must already exist.

**Action**

Attempt to create the fileset again, specifying an attach point that currently exists.

---

**CMMNP5150E** Subordinate metadata server error.

**Explanation**

Failure in communicating with the subordinate server.

**Action**

Verify that the subordinate is available and retry the creation.

---

**CMMNP5151E** The transaction failed.

**Explanation**

The fileset cannot be created because there is other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

**CMMNP5152E The attach directory *variable\_dir* already exists.****Explanation**

You are attempting to create a fileset, but the directory you specified (which will be the root of the fileset directory tree) already exists. The SAN File System creates the directory when it creates the fileset, and so the directory cannot already exist.

**Action**

Attempt to create the fileset again using a directory name that does not exist.

---

**CMMNP5153E Metadata server *variable\_server\_name* does not exist.****Explanation**

You cannot assign this fileset to the metadata server *server\_name* because a metadata server with that name does not exist.

**Action**

Make sure that you assign the fileset to an existing metadata server. You can verify that the metadata server is part of the cluster and is available (online, offline, or inactive):

- From the administrative command-line interface, run the `lserver` command.
- From the SAN File System console, view the Servers panel.

---

**CMMNP5154I Fileset *variable\_fileset\_name* was removed successfully.****Explanation**

The fileset was deleted successfully.

**Action**

No action is required.

---

**CMMNP5155E Fileset *variable\_fileset\_name* is not empty. Tip: Use `-f` to delete the files and remove the fileset.****Explanation**

You cannot delete the fileset because it contains files.

**Action**

Perform one of the following actions to remove the fileset



- Make sure the fileset is empty by moving all files to another fileset or deleting the file.
- Force the deletion of the fileset. Note that if you force the deletion of the fileset, all files and directories in the fileset will also be deleted.

---

**CMMNP5156E The fileset *variable\_fileset\_name* cannot be deleted. It is referenced by the current active policy set.**

**Explanation**

You cannot detach the fileset because clients are currently accessing data within the fileset.

**Action**

Perform one of these actions to resolve the problem:

- Wait until clients are no longer accessing files in the fileset before attempting to detach it.
- Force the detachment of the fileset. Note that if you force the detachment of the fileset, the files and directories in the fileset will be deleted, even those currently being accessed.

---

**CMMNP5157E You cannot remove the root fileset.**

**Explanation**

The root fileset must always be assigned to the master metadata server. You cannot remove the root fileset.

**Action**

Do not attempt to remove the root fileset.

---

**CMMNP5158I Fileset *variable\_fileset\_name* detached.**

**Explanation**

The fileset was detached successfully.

**Action**

No action is required.

---

**CMMNP5159E Fileset *variable\_fileset\_name* cannot be detached because there are nested filesets that are still attached.**

**Explanation**

You cannot detach this fileset because nested filesets are still attached to it.

**Action**

Detach all nested filesets that are attached to this fileset. Then attempt to detach this fileset again.

---

**CMMNP5160E** The fileset *variable\_fileset\_name* cannot be detached. It is currently referenced by active clients.

**Explanation**

Filesets can only be detached if they are not referenced.

**Action**

Eliminate all references to the fileset to be detached and retry the command or perform a forced detach.

---

**CMMNP5161E** Fileset *variable\_fileset\_name* is not attached.

**Explanation**

You cannot detach the fileset because it is not currently attached. You can only detach filesets that are attached.

**Action**

No action is required.

---

**CMMNP5162E** You cannot detach the root fileset.

**Explanation**

The root fileset must always be assigned to the master metadata server. You cannot detach the root fileset.

**Action**

Do not attempt to detach the root fileset.

---

**CMMNP5163E** Fileset *variable\_fileset\_name* is not detached. Detach the fileset before removing the fileset.

**Explanation**

You cannot remove the fileset because it is not detached.

**Action**

Detach the fileset and remove it.

---

**CMMNP5164I** Fileset *variable\_fileset\_name* moved to directory *variable\_attach*.

**Explanation**

The fileset was moved successfully.

**Action**

No action is required.

---

**CMMNP5165E Fileset *variable\_new\_name* already exists.****Explanation**

You cannot rename a fileset to the name you specified because that name is already being used for an existing fileset.

**Action**

Specify a different name for the fileset. Alternatively, you can detach and delete the existing fileset with that name.

---

**CMMNP5166I Fileset *variable\_fileset\_name* was modified successfully.****Explanation**

The fileset was changed successfully.

**Action**

No action is required.

---

**CMMNP5167E Current fileset size exceeds defined hard quota limit. Cannot switch to hard quota.****Explanation**

You are attempting to switch from a soft quota to a hard quota for a fileset, but the current size of the fileset is larger than the hard quota limit. Therefore, the change would cause a violation of the hard quota.

**Action**

Make sure that the percentage of the fileset currently being used does not exceed the hard quota limit.

---

**CMMNP5168I *variable\_class variable\_object\_name* on fileset *variable\_fileset* was created successfully.****Explanation**

The FlashCopy image was created successfully.

**Action**

No action is required.

---

**CMMNP5169E Parameter formatted incorrectly.****Explanation**

One of the following exceeds the maximum: PIT Name Length, Description Length, Directory Name Length; or the Directory Name contains directory separators.

**Action**

Correct the entry and retry the command.

---

**CMMNP5170E *variable\_class variable\_object\_name* already exists for fileset *variable\_fileset*.****Explanation**

You cannot create a FlashCopy image with the name you specified because that name is already being used for an existing FlashCopy image.

**Action**

Specify a different name for the FlashCopy image that you are creating. Alternatively, you can delete the existing FlashCopy image with that name.

---

**CMMNP5171E Fileset *variable\_fileset\_name* not found.****Explanation**

You are attempting to create a FlashCopy image of a fileset, but no fileset with the name *fileset\_name* exists or is not currently assigned to a metadata server.

**Action**

Make sure that you are attempting to create a FlashCopy image of a fileset that currently exists and is assigned to a metadata server.

---

**CMMNP5172E The transaction failed.****Explanation**

The FlashCopy image could not be created because of other concurrent administrative activity that is occurring.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

**CMMNP5173E Directory *variable\_dir* already exists.****Explanation**

You are attempting to create a FlashCopy image, but the directory you specified already exists.

**Action**

Create the FlashCopy image again, but specify a directory name that does not exist. Alternatively, you can delete the existing FlashCopy image with this directory name and then create a new image with this directory name.

---

**CMMNP5174E The fileset *variable\_fileset* already contains the maximum number of *variable\_class* (32) and -f is not specified.****Explanation**

The fileset already contains the maximum number of FlashCopy images (32) and you did not select Force Image Creation.

**Action**

Either delete an image or use the force option.

---

**CMMNP5175E Incompatible operation.****Explanation**

The server is executing an operation that is incompatible with creating a Flashcopy.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5176I *variable\_class* *variable\_object\_name* for fileset *variable\_fileset* successfully deleted.****Explanation**

The FlashCopy image was deleted successfully.

**Action**

No action is required.

---

**CMMNP5177E The client is accessing the *variable\_class* being removed and -f is not specified.****Explanation**

You are attempting to delete a FlashCopy image, but a client is currently accessing files from the image. Therefore, you cannot delete this image.

## Action

Perform one of these actions to resolve the problem:

1. Wait a few minutes for client access of the FlashCopy image to complete. Then attempt to delete the FlashCopy image again.
2. Attempt to force the deletion the FlashCopy image. Note that if you force the deletion of the image, any open files associated with the image will be lost, which might result in application errors.

---

### **CMMNP5178E** *variable\_class variable\_image\_name not found for fileset variable\_fileset.*

#### Explanation

You are attempting to delete a FlashCopy image, but no image with the name `image_name` exists.

#### Action

No action is required.

---

### **CMMNP5179E** **The transaction failed.**

#### Explanation

The FlashCopy image could not be deleted because of other concurrent administrative activity.

#### Action

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

### **CMMNP5180E** **Incompatible operation.**

#### Explanation

The server is executing an operation that is incompatible with deleting a Flashcopy.

#### Action

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5181E** *variable\_class variable\_image\_name* not found for fileset *variable\_fileset*.

**Explanation**

The specified Flashcopy image was not found.

**Action**

No action required.

---

**CMMNP5182I** The *variable\_class variable\_object\_name* successfully reverted.

**Explanation**

The FlashCopy was reverted successfully.

**Action**

No action is required.

---

**CMMNP5183E** A client is accessing the *variable\_class* being restored and **-f** is not specified.

**Explanation**

You are attempting to revert a fileset to a FlashCopy image, but a client is currently accessing files from that image. Therefore, you cannot revert the fileset to the FlashCopy image.

Note: Filesets can have multiple images. If a client is accessing files in any of the images between the current fileset and the image you are trying to revert to, this message appears. For example, assume that there are 5 FlashCopy images, with 1 being the oldest image and 5 being the most recent image. If you attempt to revert to image 1 and a client is accessing files in any of the images between 1 and 5, this message appears.

**Action**

Perform one of these actions to resolve the problem:

- Wait a few minutes for client access to the FlashCopy image to complete. Then attempt to revert the fileset to the FlashCopy image again.
- Attempt to revert the fileset to another FlashCopy image.
- Attempt to force the reversion of the fileset to the selected FlashCopy image. Note that if you specify a forced reversion, any open files associated with the fileset will be lost, which can result in application errors.

---

**CMMNP5184E** *variable\_class variable\_image\_name not found for fileset variable\_fileset.*

**Explanation**

You are attempting to revert a fileset to a FlashCopy image, but no image with the name *image\_name* exists.

**Action**

Revert the fileset to an existing FlashCopy image.

---

**CMMNP5185E** **The transaction failed.**

**Explanation**

The attempt to revert the fileset to the FlashCopy image could not be completed because of other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

**CMMNP5186E** **The fileset *variable\_fileset* has nested filesets. Tip: Use the `detachfileset` command to remove nested filesets before attempting to `reverttoimage`.**

**Explanation**

You cannot revert to a FlashCopy image for the fileset because it has nested filesets.

**Action**

Detach any nested filesets. Then attempt to revert this fileset to a FlashCopy image.

---

**CMMNP5187E** **Incompatible operation.**

**Explanation**

The server is executing an operation that is incompatible with reverting a Flashcopy.

**Action**

Retry the action. If the problem continues, contact your service representative.



---

**CMMNP5188E** *variable\_class variable\_image\_name* for fileset *variable\_fileset* does not exist.

**Explanation**

The Flashcopy image specified does not exist.

**Action**

No action required.

---

**CMMNP5189I** *variable\_class variable\_name* is now the active policy.

**Explanation**

The FlashCopy was activated successfully.

**Action**

No action is required.

---

**CMMNP5190E** Could not activate the *variable\_class variable\_name* because there is a duplicate reference *variable\_VALUE\_1* *variable\_VALUE\_2* in the rule *variable\_rule*.

**Explanation**

There is a duplicate reference in the policy.

**Action**

Remove the duplicate reference and retry the activation.

---

**CMMNP5191E** *variable\_class variable\_name* references unavailable pools or filesets.

**Explanation**

The policy references pools or filesets that are not available.

**Action**

Remove the invalid policy reference or make the pool or fileset available. Retry the command.

---

**CMMNP5192E** Could not activate the *variable\_class variable\_name* because the rule *variable\_rule* references the *variable\_VALUE\_1* *variable\_VALUE\_2* that does not exist.

**Explanation**

You are attempting to activate a policy, but the policy is not valid. Rules within the policy reference storage pools or filesets (filesets) that are not available.

### Action

Make sure all of the storage pools and filesets referenced by the policy are available. You can also activate a different policy.

---

**CMMNP5193I** *variable\_class variable\_name* was created successfully.

### Explanation

The policy was created successfully.

### Action

No action is required.

---

**CMMNP5194E** *variable\_class variable\_name* already exists. **Tip: Use -f to overwrite existing policy.**

### Explanation

You are attempting to create a new policy, but the name you have specified for this policy already exists.

### Action

If you want to create a new policy using this name, you must first delete the existing policy with that name. Alternatively, you can create a new policy using a different name.

Note:If you are running the mkpolicy command from the administrative command-line interface, you can use the -f parameter to overwrite an existing policy.

---

**CMMNP5195E** *variable\_class variable\_name* is already active. **Tip: To use this name, make another policy active before running this command.**

### Explanation

You are attempting to modify the active policy. You can only modify policies that are not active.

### Action

To modify the active policy, you must first activate another policy. Activating the other policy will automatically deactivate this policy.

If you are using the SAN File System console, you can then create a new policy by cloning this policy.

If you are using the administrative command-line interface, you can then create the policy again, specifying the force parameter to overwrite this policy.

---

**CMMNP5196E** *variable\_class variable\_name* already exists. Tip: Use **-f** to overwrite existing policy.

**Explanation**

You cannot create a policy with the name you specified because that name is already being used for an existing policy.

**Action**

Specify a different name for the policy that you are creating. Alternatively, you can specify the **-f** parameter to overwrite the existing policy.

---

**CMMNP5197E** Not found.

**Explanation**

The specified policy does not exist.

**Action**

No action required.

---

**CMMNP5198E** Could not create the *policy policy\_name* because of a syntax error. "*offending\_line*" generated this error message: *error\_msg*

**Explanation**

A syntax error was detected during the attempted creation of the policy.

**Action**

Correct the syntax error that was reported and try to create the policy again.

---

**CMMNP5199I** Policy *variable\_name* was removed successfully.

**Explanation**

The policy was deleted successfully.

**Action**

No action is required.

---

**CMMNP5200E** Policy *variable\_name* is the active policy. Tip: Run **usepolicy** to activate a different policy before removing this policy.

**Explanation**

You cannot remove the active policy. You can remove only policies that are inactive.

**Action**

To remove this policy, activate another policy. Activating another policy will deactivate this policy. Then, attempt to remove the policy again.

---

**CMMNP5201E You cannot remove the policy named DEFAULT\_POLICY.****Explanation**

You cannot remove the policy named DEFAULT\_POLICY because it is the system default policy.

**Action**

No action is required.

---

**CMMNP5202I 0k.****Explanation**

The rules for the policy were accessed successfully.

**Action**

No action is required.

---

**CMMNP5203E Not viable****Explanation**

The rule is not valid as constructed.

**Action**

Correct the rule and retry the command.

---

**CMMNP5204I 0k.****Explanation**

Information for the cluster was accessed successfully.

**Action**

No action is required.

---

**CMMNP5205I Metadata server *variable\_IP\_address* on port *variable\_port* was added to the cluster successfully.****Explanation**

The metadata server was added successfully.

### Action

No action is required.

---

**CMMNP5206E The attempt to add metadata server *variable\_IP\_address* to the cluster was unsuccessful.**

### Explanation

The attempt to add a metadata server to the cluster failed.

### Action

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5207E The attempt to add metadata server *variable\_IP\_address* to the cluster was unsuccessful.**

### Explanation

The attempt to add the metadata server at *IP\_address* to the cluster could not complete successfully.

### Action

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to adding the metadata server.
2. View the cluster log and correct any errors that might be related to adding the metadata server.
3. Attempt to add the metadata server again.
4. Contact your support representative.

---

**CMMNP5208E Invalid parameter detected for addserver command.**

### Explanation

An invalid parameter was passed into the addserver command.

### Action

Check the values of the parameters provided for validity and attempt the call again.

---

**CMMNP5209E Not found.**

### Explanation

You are attempting to add a metadata server to the cluster, but the metadata server you are attempting to add does not exist.

### Action

Make sure the metadata server exists before attempting to add it to the cluster.

---

**CMMNP5210I Cluster upgrade successful.****Explanation**

The upgrade was committed successfully.

**Action**

No action is required.

---

**CMMNP5211E A cluster upgrade is already in progress.****Explanation**

A cluster upgrade is already in progress.

**Action**

No action required.

---

**CMMNP5212E All metadata server software in the cluster is already up-to-date.****Explanation**

All metadata server software in the cluster is already up-to-date.

**Action**

No action required.

---

**CMMNP5213E Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.****Explanation**

Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.

**Action**

Correct the version discrepancy and retry the command.

---

**CMMNP5214I Metadata server *variable\_server\_name* dropped from the cluster.****Explanation**

The metadata server was dropped successfully.

**Action**

No action is required.

---

**CMMNP5215E The dropserver command is not supported. Tip: Upgrade your SAN File System and run the dropserver command again.**

**Explanation**

The dropserver command is not supported in this version of SAN File System.

**Action**

Upgrade your SAN File System and run the dropserver command again.

---

**CMMNP5216E The attempt to drop metadata server *variable\_server\_name* from the cluster was unsuccessful.**

**Explanation**

The attempt to drop the metadata server at *server\_name* could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to dropping the metadata server.
  2. View the cluster log and correct any errors that might be related to dropping the metadata server.
  3. Attempt to drop the metadata server again.
  4. Contact your support representative.
- 

**CMMNP5217E The metadata server is currently hosting filesets manually assigned to it. Tip: Use the *setfilesetserver* command or the *autofilesetserver* command to reassign filesets to another metadata server.**

**Explanation**

The metadata server is currently hosting filesets manually assigned to it.

**Action**

Use the *setfilesetserver* command or the *autofilesetserver* command to reassign filesets to another metadata server. Then, retry the command.

---

**CMMNP5218E Invalid parameter detected for the dropserver command.**

**Explanation**

An invalid parameter was detected for the dropserver command.

**Action**

Correct the invalid parameter and retry the command.

---

**CMMNP5219E The metadata server *variable\_server\_name* is not defined as part of the cluster.**

**Explanation**

You are attempting to drop a metadata server from the cluster, but the metadata server you are attempting to drop does not exist.

**Action**

Make sure the metadata server exists before attempting to drop it to the cluster.

---

**CMMNP5220I Metadata check complete. Tip: Refer to cluster log for completion status and report details.**

**Explanation**

The metadata check performed successfully.

**Action**

No action is required.

---

**CMMNP5221E Another metadata check is already active.**

**Explanation**

You attempted to start a metadata check, but there is already a metadata check in progress. Only one metadata check can be in progress at a time.

**Action**

To start a new metadata check, perform one of these actions:

- Wait until the current metadata check has completed.
  - Stop the current metadata check.
- 

**CMMNP5222E Integrity lost. Corruption detected. Tip: Refer to cluster log for status information and report details.**

**Explanation**

FileSystem Check detected corruption.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNP5223E A parameter is not valid. Tip: Check the fileset list values for validity.**

**Explanation**

One or more of the parameters are invalid.



### **Action**

Correct the invalid parameters and retry the command.

---

## **CMMNP5224E Incompatible operation.**

### **Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time.

### **Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

## **CMMNP5225E A stop metadata check request has canceled the metadata check.**

### **Explanation**

A metadata check was in progress, but a stop metadata check request has canceled this metadata check.

### **Action**

If you wanted to cancel the metadata check currently in progress, no action is required. Otherwise, attempt to start a metadata check again.

---

## **CMMNP5226E Cannot connect to the metadata server.**

### **Explanation**

The primary administrative agent is unable to connect to the master metadata server. Therefore, the metadata check cannot be completed. This message can occur because you need to start the master metadata server or because there are problems with the connection protocol.

### **Action**

Perform the following actions to resolve this problem:

1. Make sure the master metadata server is started and is online.
2. Check the cluster log for any additional errors related to this problem.
3. Make sure that the primary administrative agent can communicate with the master metadata server.
4. Contact your service representative.

---

**CMMNP5227E Exceeded the connection limit to the metadata server.****Explanation**

The number of connections to the metadata server is already at the maximum limit. Your request would exceed those limits.

**Action**

Wait a few minutes and make your request again. Alternatively, you can increase the Admin process limits.

---

**CMMNP5228I Metadata Checker detected and repaired corruption(s) successfully. Tip: Refer to cluster log for completion status and report details.****Explanation**

Metadata Checker detected and repaired corruption(s) successfully.

**Action**

No action required.

---

**CMMNP5229I Cluster successfully in quiescent state.****Explanation**

The cluster was successfully set to quiescent state.

**Action**

No action is required.

---

**CMMNP5230E The command quiescecluster is not supported in this administrative server.****Explanation**

You cannot quiesce a cluster from this administrative server.

**Action**

Retry the command from the master metadata server.

---

**CMMNP5231E The attempt to quiesce the cluster failed.****Explanation**

An attempt to quiesce the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to quiescing the cluster.
2. View the cluster log and correct any errors that might be related to quiescing the cluster.
3. Attempt to quiesce the cluster again.
4. Contact your support representative.

---

**CMMNP5232E A parameter is not valid.****Explanation**

One or more parameters are invalid.

**Action**

Correct the invalid parameters and retry the command.

---

**CMMNP5233I Cluster successfully returned to the online state.****Explanation**

Cluster successfully returned to the online state.

**Action**

No action is required.

---

**CMMNP5234E The command `resumecluster` is not supported on this administrative server.****Explanation**

You cannot resume a cluster from this administrative server.

**Action**

Retry the command from the master metadata server.

---

**CMMNP5235E The attempt to resume the cluster failed.****Explanation**

The attempt to resume the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to resuming the cluster.
2. View the cluster log and correct any errors that might be related to resuming the cluster.
3. Attempt to resume the cluster again.
4. Contact your support representative.

---

**CMMNP5236I Cluster started successfully.****Explanation**

Cluster started successfully.

**Action**

No action is required.

---

**CMMNP5237E The command startcluster is not supported on this administrative server.****Explanation**

You cannot start a cluster from this administrative server.

**Action**

Retry this command from the master metadata server.

---

**CMMNP5238E The attempt to start the cluster failed.****Explanation**

The attempt to start the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to starting the cluster.
  2. View the cluster log and correct any errors that might be related to starting the cluster.
  3. Attempt to start the cluster again.
  4. Contact your support representative.
- 

**CMMNP5239E The cluster is already running.****Explanation**

You cannot start the cluster because it is already running.

**Action**

No action is required.

---

**CMMNP5240I Metadata check canceled.****Explanation**

Metadata check canceled successfully.

---

**Action**

No action is required.

---

**CMMNP5241E A metadata check is not currently in progress.****Explanation**

You are attempting to stop a metadata check, but there is no metadata check running.

**Action**

No action is required.

---

**CMMNP5242I Cluster shutdown successfully.****Explanation**

Cluster shutdown successfully.

**Action**

No action is required.

---

**CMMNP5243E The command stopcluster is not supported on this metadata server.****Explanation**

Stopping a cluster is not supported on this metadata server.

**Action**

Retry this command from the master metadata server.

---

**CMMNP5244E The attempt to stop the cluster failed.****Explanation**

The attempt to stop the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to stopping the cluster.
2. View the cluster log and correct any errors that might be related to stopping the cluster.
3. Attempt to stop the cluster again.
4. Contact your support representative.

---

**CMMNP5245I Metadata server *variable\_server\_name* is the new master server.**

**Explanation**

The master metadata server was changed successfully.

**Action**

No action is required.

---

**CMMNP5246E The setmaster command must be issued from a subordinate metadata server, not the current master metadata server.**

**Explanation**

You must run the setmaster command from a subordinate metadata server, not from the master metadata server.

**Action**

Connect to a subordinate metadata server and attempt to run the setmaster command again.

---

**CMMNP5247E The subordinate metadata server is not in the joining or forming state.**

**Explanation**

The subordinate metadata server from which you run the setmaster command must be in either the joining or forming state.

**Action**

Connect to a subordinate metadata server that is in an appropriate state and run the command again.

---

**CMMNP5248I Metadata server *variable\_server\_name* started successfully.**

**Explanation**

The metadata server was started successfully.

**Action**

No action is required.

---

**CMMNP5249E The command `startserver` is not supported in this metadata server.**

**Explanation**

You cannot start a metadata server from this metadata server.

**Action**

Retry this command from the master metadata server.

---

**CMMNP5250E The attempt to start metadata server `variable_server_name` failed.**

**Explanation**

The attempt to start the metadata server `server_name` could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to starting the metadata server.
  2. View the cluster log and correct any errors that might be related to starting the metadata server.
  3. Attempt to start the metadata server again.
  4. Contact your support representative.
- 

**CMMNP5251E Metadata server `variable_server_name` is already running.**

**Explanation**

You cannot start this metadata server because it is already started. You can only start metadata servers that are currently stopped.

**Action**

If this is the metadata server that you are trying to start, no action is required. Otherwise, make sure that the metadata server that you are attempting to start is currently stopped.

---

**CMMNP5252I Metadata server `variable_server_name` stopped gracefully.**

**Explanation**

The metadata server was stopped successfully.

**Action**

No action is required.

---

**CMMNP5253E The command stopserver is not supported on this metadata server.**

**Explanation**

You cannot stop a metadata server from this metadata server.

**Action**

Retry this command from the master metadata server.

---

**CMMNP5254E The attempt to stop *variable\_server\_name* failed.**

**Explanation**

The attempt to stop metadata server *server\_name* could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to stopping the metadata server.
  2. View the Cluster log and correct any errors that might be related to stopping the metadata server.
  3. Attempt to stop the metadata server again.
  4. Contact your support representative.
- 

**CMMNP5255I 0k.**

**Explanation**

Command `lsserver` successful.

**Action**

No action required.

---

**CMMNP5256I 0k.**

**Explanation**

Command `statserver` successful.

**Action**

No action required.

---

**CMMNP5257I The audit log was cleared.**

**Explanation**

The audit log was cleared successfully.

---



**Action**

No action is required.

---

**CMMNP5258I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5259E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5260E The audit log could not be read.****Explanation**

The administrative server has encountered an error while reading the audit log.

**Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5261I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5262E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
2. Look in the administrative log and resolve any problems related to displaying this log.

---

## **CMMNP5263E The audit log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the audit log.

### **Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

## **CMMNP5264I 0k.**

### **Explanation**

Command successful.

### **Action**

No action required.

---

## **CMMNP5265E The audit log could not be found.**

### **Explanation**

The administrative server could not find the audit log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
2. Look in the administrative log and resolve any problems related to displaying this log.

---

## **CMMNP5266E The audit log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the audit log.

### **Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5267I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5268E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5269E The audit log could not be read.****Explanation**

The administrative server has encountered an error while reading the audit log.

**Action**

View in the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5270I The catlog command was successful.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5271I No entries in the audit log were returned. Tip: If you are using filter criteria, broaden the scope of the filter option and try again.****Explanation**

The query for audit log records returned no entries.

**Action**

If you are using filter criteria, broaden the scope of the filter option and try again.

---

**CMMNP5272I The administrative log was cleared.****Explanation**

The administrative log was cleared successfully.

**Action**

No action is required.

---

**CMMNP5273I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5274E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
  2. Contact your service representative.
- 

**CMMNP5275E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNP5276I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5277E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
  2. Contact your service representative.
- 

**CMMNP5278E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNP5279I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5280E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
  2. Contact your service representative.
- 

**CMMNP5281E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNP5282I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5283E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
  2. Contact your service representative.
- 

**CMMNP5284E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNP5285I The catlog command was successful.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5286I No entries in the admin log were returned. Tip: If you are using filter criteria, broaden the scope of the filter option and try again.****Explanation**

The query for message log records returned no entries.

**Action**

If you are using filter criteria, broaden the scope of the filter option and try again.

---

**CMMNP5287I The security log was cleared.****Explanation**

The security log was cleared successfully.

**Action**

No action is required.

---

**CMMNP5288I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5289E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5290E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5291I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5292E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5293E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5294I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5295E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
2. View the administrative log and resolve any problems related to displaying this log.



---

**CMMNP5296E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5297I Ok.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5298E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5299E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5300I The catlog command was successful.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5301I No entries in the security log were returned. Tip: If you are using filter criteria, broaden the scope of the filter option and try again.**

**Explanation**

The query for security log records returned no entries.

**Action**

If you are using filter criteria, broaden the scope of the filter option and try again.

---

**CMMNP5302I The cluster log was cleared.**

**Explanation**

All entries in the cluster message log were cleared successfully.

**Action**

No action is required.

---

**CMMNP5303I 0k.**

**Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5304E The cluster log could not be found.**

**Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5305E The cluster log could not be read.**

**Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5306I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5307I End of Iteration****Explanation**

No more log records in current direction.

**Action**

If the problem persists, contact your support representative.

---

**CMMNP5308E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5309E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5310I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5311E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5312E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5313I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5314E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5315E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5316I The catlog command was successful.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5317I No entries in the cluster log were returned. Tip: If you are using filter criteria, broaden the scope of the filter option and try again.****Explanation**

The query for cluster log records returned no entries.

**Action**

If you are using filter criteria, broaden the scope of the filter option and try again.

---

**CMMNP5318I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5319E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.

2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5320E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5321I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5322E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5323E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5324I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5325E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNP5326E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5327I 0k.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5328E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5329E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNP5330I The catlog command was successful.****Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5331I No entries in the event log were returned. Tip: If you are using filter criteria, broaden the scope of the filter option and try again.****Explanation**

The query for event log records returned no entries.

**Action**

If you are using filter criteria, broaden the scope of the filter option and try again.

---

**CMMNP5332I All user authorizations were reset.****Explanation**

Authorizations for all administrative users have been reset successfully.

**Action**

No action is required.

---

**CMMNP5333I Cluster successfully modified. Restart the cluster for all changes to apply.****Explanation**

Cluster successfully modified.

**Action**

Restart the cluster for all changes to apply.



---

**CMMNP5334E Due to previous advanced configuration changes, this command cannot be issued until you restart the cluster.**

**Explanation**

Due to previous advanced configuration changes, this command cannot be issued until you restart the cluster.

**Action**

Commit the outstanding configuration changes, and then retry the command.

---

**CMMNP5335I The cluster was modified successfully.**

**Explanation**

The cluster was modified successfully.

**Action**

No action is required.

---

**CMMNP5336I The cluster was modified successfully.**

**Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5337E Due to previous advanced configuration changes, this command cannot be issued until you restart the cluster.**

**Explanation**

A previous advanced configuration change required a cluster restart prior to any new changes to the cluster configuration.

**Action**

Restart the cluster and retry the command.

---

**CMMNP5338I SNMP trap event level was set successfully.**

**Explanation**

The event level for generating SNMP traps was set successfully.

**Action**

No action is required.

---

**CMMNP5339I SNMP manager was added successfully.**

**Explanation**

The SNMP manager was added successfully.

**Action**

No action is required.

---

**CMMNP5340E The information specified is a duplicate of an existing SNMP manager.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**CMMNP5341E Due to previous advanced configuration changes, this command cannot be issued until you restart the cluster.**

**Explanation**

A previous advanced configuration change required a cluster restart prior to any new changes to the cluster configuration.

**Action**

Restart the cluster and retry the command.

---

**CMMNP5342E You have exceeded the number of SNMP managers that can be assigned.**

**Explanation**

You have exceeded the number of SNMP managers that can be assigned.

**Action**

Delete one SNMP manager prior to assigning a new one.

---

**CMMNP5343I SNMP manager *variable\_manager\_id* was removed successfully.**

**Explanation**

The SNMP manager was removed successfully.

**Action**

No action is required.

---

**CMMNP5344E** SNMP manager *variable\_manager\_id* does not exist.**Explanation**

The specified SNMP manager does not exist.

**Action**

No action required.

---

**CMMNP5345E** Due to previous advanced configuration changes, this command cannot be issued until you restart the cluster.**Explanation**

A previous advanced configuration change required a cluster restart prior to any new changes to the cluster configuration.

**Action**

Restart the cluster and retry the command.

---

**CMMNP5346E** SNMP manager *variable\_manager\_id* does not exist.**Explanation**

The specified SNMP manager does not exist.

**Action**

No action required.

---

**CMMNP5347E** The operation submitted to *variable\_class* *variable\_engine\_name* is not supported.**Explanation**

The set power state operation is not valid for this engine.

**Action**

No action required.

---

**CMMNP5348E** Operation failed. Cannot access the RSA provider.**Explanation**

You are attempting to set the power state for an engine, but the SAN File System is unable to communicate with the RSA adapter for that engine. Therefore, the power state cannot be set.

## Action

Perform the following actions in this order to resolve the problem:

1. Verify that the RSA adapter for the engine is functioning correctly, and that there is connectivity to the RSA adapter for the engine. From the SAN File system console, you can view engine properties to determine if the RSA adapter is functioning. From the administrative command-line interface, you can run the `statengine` command.
2. View the administrative error log and resolve any problems found in the log that are related to this engine.
3. Attempt to set the power state again.
4. Contact your service representative.

---

**CMMNP5349E** The *variable\_class\_name variable\_engine\_name* is already started.

## Explanation

The engine is already started.

## Action

No action required.

---

**CMMNP5350E** The *variable\_class\_name variable\_engine\_name* is already stopped.

## Explanation

The engine is already stopped.

## Action

No action required.

---

**CMMNP5351E** RSA is not available.

## Explanation

You are attempting to set the power state for an engine, but the SAN File System is unable to communicate with the RSA adapter for that engine. Therefore, the power state cannot be set.

## Action

Perform the following actions in this order to resolve the problem:

1. Verify that the RSA adapter for the engine is functioning correctly.
2. Verify that there is connectivity to the RSA adapter for the engine.
3. Wait a few minutes and attempt to set the power state again.
4. Contact your service representative.

---

**CMMNP5352I** A restart request has been sent to *variable\_class* *variable\_engine\_name*. **Tip:** Run the `lsengine` command for current *variable\_class\_name* status.

**Explanation**

The engine was restarted successfully.

**Action**

No action is required.

---

**CMMNP5353I** A start request has been sent to *variable\_class\_name* *variable\_engine\_name*. **Tip:** Run the `lsengine` command for current *variable\_class\_name* status.

**Explanation**

The engine was started successfully.

**Action**

No action is required.

---

**CMMNP5354E** Attempt to start storage engine *variable\_engine\_name* failed. The engine is already started.

**Explanation**

You attempted to start an engine that is already started.

**Action**

No action is required.

---

**CMMNP5355I** 0k.

**Explanation**

Command successful.

**Action**

No action required.

---

**CMMNP5356I** A stop request has been sent to *variable\_class\_name* *variable\_engine\_name*. **Tip:** Run the `lsengine` command for current *variable\_class\_name* status.

**Explanation**

The engine was shut down successfully.

### Action

No action is required.

---

**CMMNP5357E Attempt to shutdown engine *engine\_name* unsuccessful. Storage engine was already shutdown.**

### Explanation

You attempted to shut down an engine that is already shut down.

### Action

No action is required.

---

**CMMNP5358I The diagnostic file was created successfully for *variable\_class variable\_engine\_name*. Tip: See /usr/tank/OBDC to read the diagnostic files.**

### Explanation

The diagnostic file was created successfully.

### Action

No action is required.

---

**CMMNP5359I Disaster recovery file *variable\_file\_name* was created successfully.**

### Explanation

The disaster recovery file was created successfully.

### Action

No action is required.

---

**CMMNP5360E The file name *variable\_file\_name* already exists.**

### Explanation

You are attempting to create a disaster recovery file, but a disaster recovery file with the name *file\_name* already exists.

### Action

Create the disaster recovery file again, using a name that does not currently exist. You can also force the creation of a disaster recovery file with the name *file\_name*, which will overwrite the existing disaster recovery file.

---

**CMMNP5361E Not enough space for the disaster recovery file *variable\_file\_name*.**

**Explanation**

You are attempting to create a disaster recovery file, but there is not enough space available on the local disk of the master metadata server to store the disaster recovery file.

Note: Disaster recovery files are stored in `/usr/tank/server/DR` on the local disk of the engine hosting the master metadata server. They are not stored on the SAN.

**Action**

Perform one of these actions to resolve the problem

1. Delete an existing disaster recovery file.
2. Increase the amount of space available on the local disk of the engine hosting the master metadata server.

After resolving the problem, create a disaster recovery file again.

---

**CMMNP5362I Disaster recovery file *variable\_file\_name* was removed successfully.**

**Explanation**

The disaster recovery script file `file_name` was removed successfully.

**Action**

No action is required.

---

**CMMNP5363I Disaster recovery script files for *variable\_file\_name* were built successfully.**

**Explanation**

The disaster recovery script files for the file `file_name` were built successfully.

**Action**

No action is required.

---

**CMMNP5364E Not enough space to create disaster recovery script files.**

**Explanation**

You are attempting to build the set of script files needed to recreate the metadata in the dump file. There is not enough space available on the local disk of the master metadata server to store the disaster recovery file.

Note: Disaster recovery script files are stored in /usr/tank/server/DR on the local disk of the engine hosting the master metadata server. They are not stored on the SAN.

### Action

Increase the amount of space available on the local disk of the engine hosting the master metadata server. Then build the disaster recovery script files again.

---

## **CMMNP5365I The automatic restart service for metadata server *variable\_server\_name* successfully disabled.**

### Explanation

The automatic restart service was successfully disabled.

### Action

No action is required.

---

## **CMMNP5366E The automatic restart service for metadata server *variable\_server\_name* is already disabled.**

### Explanation

You are attempting to disable the automatic restart service for the metadata server *server\_name*, but the service has already been disabled for this metadata server.

### Action

No action is required. The automatic restart service is already disabled.

---

## **CMMNP5367I The automatic restart service for metadata server *variable\_server\_name* was successfully enabled.**

### Explanation

The automatic restart service was successfully enabled.

### Action

No action is required.

---

## **CMMNP5368E The automatic restart service for metadata server *variable\_server\_name* already enabled.**

### Explanation

You are attempting to enable the automatic restart service for the metadata server *server\_name*, but the service has already been enabled for this metadata server.

### Action

The automatic restart service is already enabled so no action is required.



---

**CMMNP5369E Incompatible operation. The *variable\_class\_name* *variable\_engine\_name* is currently OFFLINE.**

**Explanation**

An attempt was made to restart an offline engine. Offline engines can only be started, not restarted.

**Action**

An engine needs to be online to be restarted. Offline engines can only be started.

---

**CMMNP5370E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

**Action**

Wait several minutes and attempt to perform the operation again.

---

**CMMNP5371E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

**Action**

Wait several minutes and attempt to perform the operation again.

---

**CMMNP5372E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

### Action

Wait several minutes and attempt to perform the operation again.

---

**CMMNP5373E** *variable\_class* name *variable\_new\_name* is not valid. It contains unsupported characters.

### Explanation

You are attempting to rename a fileset, but the new name you have specified contains characters that are not supported.

### Action

Attempt to create the fileset again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNP5374E** Fileset *variable\_fileset\_name* is not detached. Detach the fileset before removing it.

### Explanation

You cannot remove the fileset because it is not detached.

### Action

Detach the fileset and then attempt to remove it.

---

**CMMNP5375E** A metadata check is being stopped, but has not completed. Tip: Use the Monitor System Processes task to determine when this metadata check has completed.

### Explanation

A metadata check is being stopped, but has not completed.

### Action

No action required.

---

**CMMNP5376E** An attempt to salvage metadata corruption has failed. Tip: Refer to cluster log for status information and report details.

### Explanation

An attempt to salvage metadata corruption has failed.

**Action**

No action required.

---

**CMMNP5377E Metadata server stopped and exited after starting.****Explanation**

CIMOM started the SAN File System metadata server, but detected that the metadata server has exited. CIMOM will attempt to start the metadata server again four times. If the server cannot be started within the limited number of retries, the autorestart facility will be disabled.

**Action**

Determine the reason why SAN File System metadata server is not remaining operational. When the problem is corrected, you can enable autorestart.

---

**CMMNP5378I Privileged client access successfully granted for *variable\_client\_name*.****Explanation**

System privileged access was successfully granted to the client.

**Action**

No action is required.

---

**CMMNP5379E Privileged client *variable\_client\_name* already exists.****Explanation**

The client name supplied for granting privileged system access already has this access.

**Action**

Run `statcluster -config` to view currently defined privileged clients.

---

**CMMNP5380I Privileged client access successfully removed for *variable\_client\_name*.****Explanation**

System privileged access was successfully removed from the client.

**Action**

No action is required.

---

**CMMNP5381E Privileged client *variable\_client\_name* does not exist.****Explanation**

The attempt to remove privileged access from the client name provided failed because no client with that name was found to have those access rights.

**Action**

Run `statcluster -config` to view currently defined privileged clients.

---

**CMMNP5382E Cannot perform the specified operation on the system volume.****Explanation**

The specified command or parameter is not allowed on volumes belonging to the SYSTEM storage pool.

**Action**

Determine if the target volume is a system volume or not. If it is a system volume, certain optional parameters are not allowed. Identify these parameters and reissue the command without the identified parameters. Alternately, a system volume is specified instead of a user volume. Reissue the command with the right user volume.

---

**CMMNP5383E Device not found.****Explanation**

You cannot perform the specified operation because the device on which the operation is to be performed was not found.

**Action**

Make sure that you attempt to perform the specified operation on an existing device.

---

**CMMNP5384E The specified client cannot be found.****Explanation**

You cannot perform the specified operation because the client you specified is not in the active client list.

**Action**

Make sure that the specified client is an active SAN File System client and reissue the command.

---

**CMMNP5385E The specified client is either not available or not responding.**

**Explanation**

The specified operation failed because the SAN File System metadata server could not communicate with the client that you specified.

**Action**

Make sure that the specified client is an active SAN File System client and reissue the command.

---

**CMMNP5386E There was an I/O failure with the specified client.**

**Explanation**

The operation failed because the specified client could not perform the necessary I/O.

**Action**

Make sure that the specified SAN File System client has the correct access to the underlying device. Reissue the command.

---

**CMMNP5387E The specified client does not support the requested operation.**

**Explanation**

The SAN File System metadata server relies on the client to perform certain operations in order for the issued command to succeed. The operation failed because the specified client could not perform the necessary operation requested by the SAN File System metadata server. This can happen when the version of the protocol supported by a client is older than the required version.

**Action**

Make sure that the specified SAN File System client is the right version. Reissue the command.

---

**CMMNP5388E Detected and corrected by metadata checker.**

**Explanation**

The SAN File System metadata checker was active after the situation has occurred. The metadata checker noticed the discrepancy and corrected the problem.

**Action**

No action is required.

---

**CMMNP5389I** *variable\_class variable\_object\_name* was expanded successfully.

**Explanation**

The volume was expanded successfully.

**Action**

No action is required.

---

**CMMNP5390E** Volume expansion was not performed because the size of the volume is current.

**Explanation**

The size of the underlying LUN for the target volume is found to be matching with the current size of the volume.

**Action**

Make sure that the size of the underlying LUN is increased first and reissue the command.

---

**CMMNP5391E** Cannot specify a client name parameter for the system volume.

**Explanation**

A SAN File System client is not needed to expand the size of volumes belonging to the SYSTEM storage pool. Therefore, the `client_name` parameter is not allowed for system volume.

**Action**

Determine if the target volume is a system volume. If it is a system volume, reissue the command without specifying the `client_name` parameter. Alternately, if a system volume is specified instead of a user volume, reissue the command with the correct user volume.

---

**CMMNP5392E** The underlying logical unit device (LUN) is not found.

**Explanation**

If the volume specified is a system volume, the SAN File System master metadata server could not access the underlying LUN device to carry out the specified operation. If the volume specified is a user volume, the specified client could not access the underlying LUN device to perform the specified operation. If the volume specified is a user volume and a client is not specified, the SAN File System master metadata server could not access the underlying LUN device to perform the specified operation.

### Action

For system volumes, make sure that the underlying LUN for a volume is accessible and reissue the command. For user volumes, make sure you specify a client that can access the underlying LUN and reissue the command. For user volumes that are specified without a client, select a client that can access the underlying LUN and reissue the command.

---

## **CMMNP5393E Volume expansion was not performed because the size was expanded by the metadata checker.**

### Explanation

The SAN File System metadata checker was active after the underlying LUN for the volume was expanded. The metadata checker has noticed the increase in size of the LUN and expanded the size of the volume accordingly. It is not necessary to issue this command.

### Action

No action is required.

---

## **CMMNP5394E The file *variable\_file\_path* was not found.**

### Explanation

The file name provided does not exist.

### Action

Provide a valid file name.

---

## **CMMNP5395E Cannot run the *statfile* command because a cluster transition is in progress. Tip: Wait a few minutes and run *statfile* again.**

### Explanation

The cluster transition is in progress.

### Action

Reissue this command.

---

## **CMMNP5396E The fileset serving this file is offline. Tip: Wait a few minutes and run *statfile* again.**

### Explanation

This file belongs to a fileset with a metadata server that is currently offline.

### Action

No action is required.

---

**CMMNP5397E You must upgrade the cluster before running statfile.****Explanation**

The metadata server does not support this operation mainly because it might be running an older version of SAN File System.

**Action**

Upgrade SAN File System and reissue this command.

---

**CMMNP5398E A directory specified for the file *variable\_file\_path* was not found.****Explanation**

One of the non-leaf elements in the file path specified is not a directory.

**Action**

Provide a valid directory name.

---

**CMMNP5399E Unsupported metadata server operation.****Explanation**

The metadata server does not support this operation usually because it might be running an older version of SAN File System.

**Action**

Update your SAN File System.

---

**CMMNP5400E Invalid directory.****Explanation**

The directory specified is invalid.

**Action**

Edit the directory and attempt again.

---

**CMMNP5401E The master metadata server could not communicate with the subordinate metadata server *variable\_server\_name*. Tip: Wait a few minutes and try again.****Explanation**

This indicates that the master metadata server failed to communicate with the metadata server being dropped.



### Action

This condition is usually transient. Wait a few minutes and try again.

---

## **CMMNP5402I Automatic metadata server assignment for fileset *variable\_fileset\_name* is enabled.**

### Explanation

Automatic metadata server assignment for specified fileset is enabled.

### Action

No action required.

---

## **CMMNP5403E Metadata server change transaction failed.**

### Explanation

The metadata server assignment for the fileset could not be changed because of other concurrent administrative activity.

### Action

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

## **CMMNP5404E The command to automatically assign fileset *variable\_class variable\_fileset\_name* to a metadata server failed as it conflicts with the current state or other activity in the cluster.**

### Explanation

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time. Another possible reason is that the cluster is in a partly quiescent or fully quiescent state.

### Action

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task. Also make sure that the cluster is in either online or offline state.

---

**CMMNP5405E Cluster or metadata server is not in a valid state.**  
**Tip: The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.**

**Explanation**

The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.

**Action**

Make changes to the metadata server state and retry the command.

---

**CMMNP5406I The LDAP configuration was modified successfully.**

**Explanation**

The LDAP configuration was modified successfully.

**Action**

No action required.

---

**CMMNP5407I Cluster port settings on metadata server *variable\_server\_name* successfully modified. Restart the metadata server for all changes to apply.**

**Explanation**

The cluster port settings on the metadata server successfully modified.

**Action**

Restart the metadata server to apply the changes.

---

**CMMNP5408I Cluster port settings on metadata server *variable\_server\_name* successfully modified. Restart the metadata server to apply all changes.**

**Explanation**

The cluster port settings on the metadata server were successfully modified.

**Action**

Restart the metadata server to apply the changes.

---

**CMMNP5409I The automatic restart service configuration was successfully modified.**

**Explanation**

The automatic restart service configuration was successfully modified.

**Action**

No action is required.

---

**CMMNP5410I The LUNs have been rediscovered. Tip: Run `lslun` to view the LUNs.**

**Explanation**

The LUNs have been rediscovered successfully.

**Action**

Run `lslun` to view the LUNs.

---

**CMMNP5411E The LUN ID specified by the `-lun` flag is in incorrect format.**

**Explanation**

The LUN ID specified by the `-lun` flag is in incorrect format.

**Action**

Correct the formatting of the provided LUN ID and attempt the call again.

---

**CMMNP5412I The default storage pool is now disabled. Files must match a policy rule to be created or saved.**

**Explanation**

The usage of the default pool is disabled successfully.

**Action**

No action is required.

---

**CMMNP5413E The default storage pool is already disabled.**

**Explanation**

The usage of the default pool is already disabled. There is no enabled storage pool that is of the user default pool type.

**Action**

Run `lspool` command to list all pools and their types.

---

**CMMNP5414E Rogue Client.****Explanation**

There was a communication failure with the specified client when the client was performing an I/O operation. It is not possible to determine if the I/O will succeed.

**Action**

Check if there are any hung SAN File System client processes on the client machine. If there are hung processes, the SAN File System client machine needs to be rebooted. Reissue the command after the client machine has rebooted.

---

**CMMNP5415E Invalid LUN ID Format.****Explanation**

The LUN ID provided is formatted incorrectly.

**Action**

Check that the format for the LUN ID is correct and resubmit.

---

**CMMNP5416E Fileset *variable\_rule* was not found.****Explanation**

This fileset could not be found.

**Action**

Find the fileset.

---

**CMMNP5417E Metadata server *variable\_server\_name* does not exist.****Explanation**

The targeted metadata server *server\_name* does not exist.

**Action**

You can retrieve the list of available metadata servers using the `lserver` command. Use one of the metadata servers listed as your target entry.

---

**CMMNP5418E Attempt to add metadata server *variable\_IP\_address* on port *variable\_port* to the cluster was unsuccessful.****Explanation**

The metadata server was unable to add the metadata server specified to the cluster.

### **Action**

Make sure the IP address and Port values are correct for the target metadata server and attempt this call again.

---

## **CMMNP5419E User name does not have sufficient privileges to run the command addprivclient.**

### **Explanation**

The user name that you are using does not have sufficient privileges to run the command addprivclient. The privileges for a user name are determined by the role assigned to the user name when it is set up on the Lightweight Directory Access Protocol (LDAP) server.

### **Action**

Either sign on with a user name that has sufficient privileges to run this command, or assign a different role to this user name on the LDAP server.

---

## **CMMNP5420E User name does not have sufficient privileges to run the command rmprivclient.**

### **Explanation**

The user name that you are using does not have sufficient privileges to run the command rmprivclient. The privileges for a user name are determined by the role assigned to the user name when it is set up on the Lightweight Directory Access Protocol (LDAP) server.

### **Action**

Either sign on with a user name that has sufficient privileges to run this command or assign a different role to this user name on the LDAP server.

---

## **CMMNP5421E User name does not have sufficient privileges to run the command chclusterconfig.**

### **Explanation**

The user name that you are using does not have sufficient privileges to run the command chclusterconfig. The privileges for a user name are determined by the role assigned to the user name when it is set up on the Lightweight Directory Access Protocol (LDAP) server.

### **Action**

Either sign on with a user name that has sufficient privileges to run this command or assign a different role to this user name on the LDAP server.

---

**CMMNP5422E** The metadata server name *server\_name* is not available. Check metadata server status with `lsserver` command. When run on a subordinate engine this command will display only the local metadata server; you will need to log into the master engine to view all metadata servers.

**Explanation**

A subordinate engine only accesses the current metadata server. To access remote metadata servers, log into the master engine.

**Action**

Use the `lsserver` command to list known metadata servers. If you are running on a subordinate, you can locate the master engine with the `statcluster` command. Log into the correct engine and reissue the command.

---

**CMMNP5423E** Metadata server *variable\_server\_name* does not exist.

**Explanation**

The targeted metadata server *server\_name* does not exist.

**Action**

You can retrieve the list of available metadata servers by using the `lsserver` command. Use one of the metadata servers listed as your target entry.

---

**CMMNP5424E** Metadata server name or I.P. address *variable\_IP\_address* and port *variable\_port* already exist.

**Explanation**

Unable to add the specified metadata server to the cluster. One reason could be that a subordinate metadata server with the same name as the one being added already exists in the cluster. The second possible reason is that a subordinate metadata server with the same IP address and port combination as the one being added already exists in the cluster.

**Action**

Make sure that the server name for the metadata server being added is unique among all of the metadata servers in the cluster. Also make sure that the combined values of IP address and Port for the metadata server being added is unique among all of the metadata servers in the cluster. Run the command again.

---

**CMMNP5425E** Specify a SAN File System client to perform the operation.

**Explanation**

The SAN File System metadata server needs a SAN File System client that can access the underlying device to successfully execute the operation.

### Action

Retry the command with a SAN File System client specified.

---

**CMMNP5426I** *variable\_class variable\_object\_name* was created successfully.

### Explanation

The volume was created successfully.

### Action

No action is required.

---

**CMMNP5427E** Access denied for *variable\_lun* specified by **-lun**.

### Explanation

The SAN File System could not access the specified LUN.

### Action

Perform these actions in this order to resolve the problem:

1. Verify that the LUN exists and is accessible.
  2. If the LUN is accessible, verify that the permissions on the device are set correctly.
  3. Verify that the LUN was entered correctly.
  4. If the problem continues, contact your support representative.
- 

**CMMNP5428E** SAN File System label already exists on the LUN *variable\_lun*, and it is also already defined as another *variable\_class*.

### Explanation

The SAN File System has detected a label that recognizes the LUN (as represented by the device name) as being part of the current SAN File System installation.

### Action

Perform these actions in this order to resolve the problem:

1. List all available LUNs. From the administrative command-line interface, run the `lslun` command. From the SAN File System Console, click Available LUNs from the Storage Pools General Settings panel.
2. Make sure that you are adding an available LUN as a volume.

---

**CMMNP5429E** SAN File System label already exists on the LUN *variable\_lun*. Use **-f** to overwrite the SAN File System label on *variable\_lun*.

**Explanation**

The SAN File System has detected a label that recognizes the LUN. It might be part of another SAN File System.

**Action**

Make sure that the LUN is not part of any SAN File System. Then, attempt to create the volume again, using the force option to have the SAN File System ignore the existing label.

---

**CMMNP5430E** Volume name *variable\_vol\_name* is not valid. It contains unsupported characters.

**Explanation**

You are attempting to create a volume, but the name you specified contains characters that are not supported.

**Action**

Attempt to create the volume again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNP5431E** Parameters for volume *variable\_object\_name* are not valid.

**Explanation**

One of the parameters you specified is not valid.

**Action**

Make sure that all of the parameters you specify are valid.

---

**CMMNP5432E** Input/output for LUN *variable\_lun* specified by **-lun** failed.

**Explanation**

There was an I/O failure on the specified LUN while trying to create a volume.



## Action

View the appropriate log files (the cluster log and the administrative log if the specified LUN was to be made a Meta Data Volume, or the system log if the specified LUN was to be made a User Volume) and correct any problems that might be related to the I/O failures. If the problem persists, contact your support representative.

---

**CMMNP5433E** *variable\_class* name *variable\_object\_name* already exists.

## Explanation

An attempt was made to create a volume with a name that already exists as a volume.

## Action

Create the new volume with a different name or remove the old volume prior to creating the new one.

---

**CMMNP5434E** The LUN specified by *-lun* is not valid. The LUN *variable\_lun* does not exist.

## Explanation

You are attempting to create a volume, but the LUN you specified does not exist.

## Action

Make sure that you specify a valid LUN when creating a volume.

---

**CMMNP5435E** Storage pool *variable\_pool* specified by *-pool* does not exist.

## Explanation

You specified a storage pool to which the volume will be added, but the storage pool does not exist.

## Action

Specify an existing storage pool to which you will add the volume.

---

**CMMNP5436E** Disk not viable.

## Explanation

The LUN is not viable as a volume. The properties of the LUN will make the addition of the volume to a storage pool inviable. Potential reasons include:

- The LUN does not hold at least one partition.
- The local operating system device name is not viable as a global disk.
- The sector size is less than 512 or greater than 4096.

- If it is being added to the system pool, the sector size is not the same as the other volumes in the system pool.

### Action

Make sure that the LUN is configured correctly and attempt to create the volume again. Alternatively, you can select another LUN.

---

## **CMMNP5437E Client name is not valid.**

### Explanation

The client that was specified to create the volume is not in the active client list.

### Action

Make sure that the specified client is an active SAN File System client and reissue the command.

---

## **CMMNP5438E Client is not available or not responding.**

### Explanation

The SAN File System metadata server could not communicate with the client that was specified to create the volume. This situation might be due to network problems.

### Action

Make sure that the specified client is an active SAN File System client and reissue the command.

---

## **CMMNP5439E An I/O operation on the client failed.**

### Explanation

The operation failed because the specified client could not perform the necessary I/O when creating the volume.

### Action

Make sure that the specified SAN File System client has the correct access to the underlying device. Reissue the command.

---

## **CMMNP5440E The specified client *variable\_client* does not support the requested operation.**

### Explanation

When a client name is specified during the creation of a volume, the SAN File System metadata server relies on the client to execute the command. The operation failed because the specified client could not perform the necessary operation requested by the SAN File System metadata server. This can happen when the version of the protocol supported by a client is older than what is required.

### Action

Make sure that the specified SAN File System client is the correct version. Reissue the command.

---

**CMMNP5441E A SAN File System client must be specified to add a volume to a user storage pool.**

### Explanation

You must specify a SAN File System client when creating a volume in the user storage pool.

### Action

Determine which of the active clients have access to the specified LUN. Reissue the command using the -client parameter.

---

**CMMNP5442I *variable\_class variable\_object\_name* was removed successfully.**

### Explanation

The volume was deleted successfully.

### Action

No action is required.

---

**CMMNP5443E Access denied for *variable\_object\_name*.**

### Explanation

An attempt to delete a volume lacked the required permissions to access the volume.

### Action

Attempt to remove the volume as a user who has permission to that volume.

---

**CMMNP5444E Access failed for *variable\_object\_name*.**

### Explanation

Removing the volume failed due to invalid permissions, or being unable to find a device.

### Action

Verify the access permissions are correct and reissue the command.

---

**CMMNP5445E** *variable\_class* **name** *variable\_object\_name* **is in use.**

**Explanation**

You are attempting to remove a volume, but the volume is not empty. It has files allocated to it.

**Action**

Perform one of the following actions to remove the volume

- Wait until the volume no longer has files allocated to it before attempting to delete it. You can run the `reportvolfiles` command from the administrative command-line.
- Attempt to force the removal of the volume. Note that if you force the removal of the volume all files that exist on the volume will be completely deleted. This includes any partial file data that exists on other volumes.

---

**CMMNP5446E** **Input/output failed on rmvol.**

**Explanation**

There was an I/O failure on the specified LUN while trying to remove a volume.

**Action**

View the appropriate logs files (the cluster log and the administrative log if the specified LUN was to be made a Meta Data Volume, or the system log if the specified LUN was to be made a User Volume) and correct any problems that might be related to the I/O failures. If the problem persists, contact your support representative.

---

**CMMNP5447E** **rmvol must be issued from the primary administrative server.**

**Explanation**

You are attempting to delete a volume from a subordinate metadata server. Volumes can only be deleted from the primary administrative server.

**Action**

Issue the command from the primary administrative server.

---

**CMMNP5448E** *variable\_class* **name** *variable\_object\_name* **does not exist.**

**Explanation**

You cannot delete this volume because it does not exist.

**Action**

Make sure that the volume exists before you attempt to delete it.

---

**CMMNP5449E There is not enough space on other volumes to move the volume contents.**

**Explanation**

When you remove a volume and you do not force the removal, the SAN File System redistributes the contents of the volume to other volumes in the storage pool. You cannot delete the volume because there is not enough space to move the volume contents, and you did not select a forced removal.

**Action**

Perform one of the following actions to delete this volume

- Make sure that there is enough space on other volumes in the storage pool to move the contents of this volume.
- Attempt to force the removal of the volume. Note that if you force the removal of the volume, all data associated with that volume will be deleted. This includes corresponding partial files on another volume.

---

**CMMNP5450E The *variable\_class* *variable\_object\_name* has files from a fileset assigned to a metadata server that is offline.**

**Explanation**

You are attempting to delete a volume. However, there are files in this volume from a fileset that is assigned to an offline metadata server. The deletion cannot be completed.

**Action**

Attempt to change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNP5451E A SAN File System client cannot be specified when removing a volume from the system storage pool.**

**Explanation**

You cannot specify a SAN File System client when removing a volume from the SYSTEM storage pool.

**Action**

Reissue the command without the client name.

---

**CMMNP5452E The specified client *variable\_client* cannot be found.**

**Explanation**

The client that was specified to delete the volume is not in the active client list.

### Action

Make sure that the specified client is an active SAN File System client and reissue the command.

---

## **CMMNP5453E The specified client *variable\_client* is either not available or not responding.**

### Explanation

The SAN File System metadata server could not communicate with the client that was specified to remove the volume. This situation might be due to network problems.

### Action

Make sure that the specified client is an active SAN File System client and reissue the command.

---

## **CMMNP5454E There was an I/O failure with the specified client *variable\_client***

### Explanation

The operation failed because the specified client could not perform the necessary I/O when deleting the volume.

### Action

Make sure that the specified SAN File System client has the required access to the underlying device. Reissue the command.

---

## **CMMNP5455E A SAN File System client must be specified to remove a volume from a user storage pool.**

### Explanation

You must specify a SAN File System client when removing a volume from the user storage pool.

### Action

Determine which of the active clients has access to the specified volume. Reissue the command using the `-client` parameter.

---

## **CMMNP5456E Error sending message to metadata server. Tip: Make sure that the metadata server is installed and is running.**

### Explanation

The master metadata server was not able to communicate with the subordinate metadata server at the given IP address.

### **Action**

Make sure the subordinate metadata server has been installed and is in the Not Added state. Also verify that you have selected the correct IP address and that your network is working correctly. If the problem continues, contact your service representative.

---

## **CMMNP5457E Storage pool creation failed due to administrative resource contention. Tip: Wait a few minutes and try again.**

### **Explanation**

The administrative server is executing administrative processes and will not allow you to create a storage pool at this time.

### **Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

## **CMMNP5458E An error was returned by the remote CIM agent. Tip: Refer to admin log for more details.**

### **Explanation**

The master CIM agent was not able to communicate with the subordinate CIM agent. This might be because the subordinate CIM agent is no longer operational, or it can no longer be reached from the master CIM agent.

### **Action**

Make sure that the subordinate CIM agent has been installed and is currently operational. Also verify that the subordinate host can be reached from the master host. If the problem continues, contact your service representative.

---

## **CMMNP5459E The revert failed because the FlashCopy image contained incomplete files.**

### **Explanation**

You cannot revert the fileset to this FlashCopy image because the image contains incomplete files. This might be the result of a forced removal of a volume containing files that are also in this image.

### **Action**

Attempt to revert the fileset to another FlashCopy image.

---

**CMMNP5460E Command failed as filesets are in grace period.****Explanation**

SAN File System is in a grace period to allow existing clients to reassert their locks. The grace period is in effect immediately following a cluster or server restart. Administrative operations are not allowed during this grace period. The requested administrative command failed because it directly or indirectly involved operations on filesets. The length of the grace period depends on the lease interval and the grace period multiplier configuration parameters. The default value for the grace period is 40 seconds.

**Action**

Retry the command after the grace period, generally after 40 seconds.

---

**CMMNP5461E Pool not found.****Explanation**

The target storage pool was not found.

**Action**

Check that the storage pool is available and attempt the process again.

---

**CMMNP5462E Fileset not served.****Explanation**

The target fileset is not currently being served.

**Action**

NA

---

**CMMNP5463I File *variable\_FilePath* was moved successfully.****Explanation**

The mvfile command was successfully executed.

**Action**

No action is required.

---

**CMMNP5464E Cannot move a file to the system pool.****Explanation**

Cannot move file to the system pool.

**Action**

Select a different storage pool (not the system pool) in which to move the file.



---

**CMMNP5465E** The file *variable\_FilePath* could not be found.

**Explanation**

The file specified could not be found.

**Action**

Make sure the target file exists and attempt the process again.

---

**CMMNP5466E** The client *variable\_Client* is either not available or not responding.

**Explanation**

The specified operation failed because the SAN File System metadata server could not communicate with the client that you specified.

**Action**

Make sure that the specified client is an active SAN File System client and reissue the command.

---

**CMMNP5467E** The file specified, *variable\_FilePath* is not a file object.

**Explanation**

The file specified is something other than a file (probably a directory).

**Action**

Make sure that the specified file is a valid file object and attempt this process again.

---

**CMMNP5468E** Storage pool *variable\_Name* cannot be accessed.

**Explanation**

The file specified storage pool is unavailable for the operation.

**Action**

Fix the access issues to the storage pool and attempt this process again.

---

**CMMNP5469I** Domain *variable\_object\_name* was created successfully.

**Explanation**

The domain was created successfully.

**Action**

No action is required.

---

**CMMNP5470E Domain *variable\_object\_name* already exists.**

**Explanation**

Cannot create the specified domain because it already exists.

**Action**

Select a domain name that has not been used when creating the domain.

---

**CMMNP5471I Domain *variable\_domainname* was deleted successfully.**

**Explanation**

The domain was deleted successfully.

**Action**

No action is required.

---

**CMMNP5472E Domain *variable\_object\_name* was not found.**

**Explanation**

The domain specified could not be found.

**Action**

Make sure the domain that you are attempting to delete exists and reissue the command.

---

**CMMNP5473I *variable\_class variable\_object\_name* was modified successfully.**

**Explanation**

The domain was modified successfully.

**Action**

No action is required.

---

**CMMNP5474E Domain *variable\_object\_name* was not found.**

**Explanation**

The domain specified could not be found.

**Action**

Make sure the domain that you are attempting to delete exists and reissue the command.

---

**CMMNP5475E No directory service.****Explanation**

No directory service could be located.

**Action**

Identify why your system is not able to communicate with the directory services of your server and fix accordingly.

---

**CMMNP5476E User not found in the directory service.****Explanation**

User not found in the directory service.

**Action**

NA

---

**CMMNP5477E User not found in the map entry.****Explanation**

User not found in the map entry.

**Action**

NA

---

**CMMNP5478E The user map is full.****Explanation**

The user map is full.

**Action**

Remove an existing usermap prior to attempting the creation again.

---

**CMMNP5479E Domain not found.****Explanation**

The domain could not be found.

**Action**

NA

---

**CMMNP5480E Domain already exists.****Explanation**

The domain already exists.

**Action**

Attempt the operation with a different domain name.

---

**CMMNP5481E Domain map full.****Explanation**

The domain map is full.

**Action**

You must delete an existing domain map before creating a new one.

---

**CMMNP5482E Invalid domain type.****Explanation**

The provided domain type is invalid.

**Action**

Ensure that the domain type supplied is valid. If not, attempt the process with a known type.

---

**CMMNP5483E Invalidation failed.****Explanation**

The master failed to invalidate all subordinate caches.

**Action**

Check the status of your subordinate nodes. Ensure that they are all available and attempt to refresh the user mappings after they are available.

---

**CMMNP5484I User map *variable\_object\_name* was removed successfully.****Explanation**

The user map was deleted successfully.

**Action**

No action is required.

---

**CMMNP5485E User map *variable\_object\_name* was not found.****Explanation**

The user map could not be located.

**Action**

Use the `lsusermap` command to locate the correct name for the user map you want to delete and attempt this call again.

---

**CMMNP5486I All of the user maps were removed successfully.****Explanation**

The user maps were deleted successfully.

**Action**

No action is required.

---

**CMMNP5487I User map *variable\_object\_name* was refreshed successfully.****Explanation**

The user map was refreshed successfully.

**Action**

No action is required.

---

**CMMNP5488I User map *variable\_object\_name* could not be found.****Explanation**

The user map could not be located.

**Action**

Use the `lsusermap` command to identify the correct name and domain pair for the user map you want to refresh and attempt this call again.

---

**CMMNP5489I All of the user maps were refreshed successfully.****Explanation**

All of the user maps were refreshed successfully.

**Action**

No action is required.

---

**CMMNP5490I** The user mapping for *variable\_sourcemap* with *variable\_targetmap* was created successfully.

**Explanation**

The user map was created successfully.

**Action**

No action is required.

---

**CMMNP5491E** Storage pool *variable\_pool* cannot be found.

**Explanation**

The storage pool provided cannot be found on the system.

**Action**

Make sure that the storage pool name is accurate and attempt this command again.

---

**CMMNP5492E** A user map using the values *variable\_source* and *variable\_target* is already defined. Tip: Run `lsusermap` to view a list of all currently defined user maps.

**Explanation**

A user map with these values is already defined in the system.

**Action**

No action required.

---

**CMMNP5493E** The user specified in either one or both of the values *variable\_source* or *variable\_target* cannot be found.

**Explanation**

A user name specified in either or both the source user&domain or target user&domain could not be found.

**Action**

Check that the values specified for the user portions of the entries are valid and attempt this command again with the corrected values.

---

**CMMNP5494E** The domain specified in either one or both of the values *variable\_source* or *variable\_target* cannot be found. Tip: Run the `lsdomain` command for a list of defined domains.

**Explanation**

A domain specified in either or both the source `user&domain` or target `user&domain` could not be found.

**Action**

Check that the values specified for the domain portions of the entries are valid and attempt this command again with the corrected values.

---

**CMMNP5495E** A domain is already defined that matches either or both the type or name specified.

**Explanation**

A domain already exists on the system that matches either or both the type or the name that has been specified.

**Action**

Make sure that the type and name values are unique to any existing domains by issuing a `lsdomain` command and attempt this command again.

---

**CMMNP5496E** [2]*variable\_class* name *variable\_name* is not valid. It contains unsupported characters.

**Explanation**

You are attempting to rename a domain, but the new name you have specified contains characters that are not supported.

**Action**

Attempt to change the name of the domain again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNP5497E** The metadata server ran out of space in the *variable\_pool* pool.

**Explanation**

This operation requires storage capacity in the stated storage pool to complete this action. The storage pool provided is out of storage space.

### **Action**

Free up some storage in the targeted storage pool or use a different storage pool. Attempt to move the file again.

---

## **CMMNP5498E The metadata server ran out of space in the system pool.**

### **Explanation**

To create a fileset, there must be storage capacity in the system volumes to complete the creation process. No such storage is available for performing this action.

### **Action**

Make sure that there is enough space in the system volumes to perform this action, and attempt to create the fileset again.

---

## **CMMNP5499E The SAN File System client could not find the LUN *variable\_lun*.**

### **Explanation**

The specified LUN cannot be found by the SAN File System client.

### **Action**

Make sure that the specified LUN can be accessed by the SAN File System client by doing an `Islun -client` command.

---

## **CMMNP5500E The SAN File System client could not find the underlying LUN.**

### **Explanation**

The Volume cannot be removed because the SAN File System client cannot find the underlying LUN.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the cluster log and correct any errors that might be related to the failure of the command.
2. Run the command again.
3. Contact your support representative.



---

**CMMNP5501E A SAN File System client cannot be specified when adding a volume to a system storage pool.**

**Explanation**

You cannot specify a SAN File System client when creating a volume in the SYSTEM storage pool.

**Action**

Reissue the command without the client name.

---

**CMMNP5502E The master metadata server cannot be dropped from the cluster.**

**Explanation**

You are attempting to drop the master metadata server from the cluster. Only subordinate metadata servers can be dropped.

**Action**

To drop the master metadata server from the cluster you must first make another metadata server the master, and then reissue the command.

---

**CMMNP5503E A dependency prohibits the specified action.**

**Explanation**

A dependency exists that will be violated if the specified action were to be completed.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the failure of the command.
  2. View the cluster log and correct any errors that might be related to the failure of the command.
  3. Run the command again.
  4. Contact your support representative.
- 

**CMMNP5504E The domain *variable\_domain\_name* cannot be removed as it is referenced by a user mapping.**

**Explanation**

A domain cannot be deleted when it is referenced by a user mapping.

**Action**

Make sure there are no user mappings that reference this domain, and then reissue this command.

---

**CMMNP5505E The LUN ID specified by the -lun flag is in incorrect format.**

**Explanation**

The LUN ID specified by the -lun flag is in incorrect format.

**Action**

Correct the formatting of the provided LUN ID and attempt the call again.

---

**CMMNW5001E Unexpected error. Run the task again. If the problem continues, contact your service representative.**

**Explanation**

The system encountered an unexpected error.

**Action**

Run the task again. If the error persists, contact your service representative.

---

**CMMNW5002E The feature is not supported in the current release.**

**Explanation**

The action performed is not supported with the current release of the product.

**Action**

Upgrade to a version that supports the action or stop using this feature.

---

**CMMNW5003E Access failed.**

**Explanation**

Action failed due to invalid permissions or being unable to find a device.

**Action**

Verify that the access permissions are correct, and then try the action again.

---

**CMMNW5004E Already defined.**

**Explanation**

You are attempting to perform an operation using a name that is already in use.

**Action**

Perform the operation again, specifying a different name.

---

**CMMNW5005E Command failed.****Explanation**

A command that you entered could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the failure of the command.
2. View the cluster log and correct any errors that might be related to the failure of the command.
3. Run the command again.
4. Contact your support representative.

---

**CMMNW5006E In use.****Explanation**

You cannot perform this task because the object on which this task will be performed is currently in use.

**Action**

Wait until the object is not in use and perform the task again.

---

**CMMNW5007E Index error.****Explanation**

Index into object incorrect.

**Action**

Retry the action.

---

**CMMNW5008E Insufficient space.****Explanation**

You are attempting to perform an operation on an object, and the object requires more space than what is available.

**Action**

Make sure that there is sufficient space before attempting to perform the operation again.

---

**CMMNW5009E Integrity lost. Corruption detected. Tip: Refer to the cluster log for status information and report details.****Explanation**

The SAN File System has detected corruption in the metadata.

**Action**

Perform these actions in this order to resolve the problem:

1. View the cluster log to obtain information about the metadata corruption.
2. Perform a check metadata operation, specifying that you want to repair all problems found in the metadata.
  - a. If you are using the administrative command-line interface, run the `filesystemcheck` command.
  - b. If you are using the SAN File System console, from the main menu, click **Maintain System** and then click **Check Metadata**.
3. Contact your support representative.

---

**CMMNW5010E Name is not valid. It contains unsupported characters.****Explanation**

You cannot perform this task because the name you have chosen is not valid.

**Action**

Perform this task again using a valid file name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-), and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5011E Specified parameter is not valid.****Explanation**

One of the parameters you specified is not valid.

**Action**

Make sure that all of the parameters you specify are valid.

---

**CMMNW5012E Size is not valid.****Explanation**

The size for the volume is not valid. It must be equal to or greater than the size of one partition for user storage pools. For the system storage pool, it must be the same size as existing volumes.

### **Action**

Make sure that the volume is a valid size.

---

## **CMMNW5013E I/O failed.**

### **Explanation**

There was an I/O failure on the device against which you were performing a command.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the I/O failure.
  2. View the cluster log and correct any errors that might be related to the I/O failure.
  3. Contact your support representative.
- 

## **CMMNW5014E Default (in any combination of uppercase or lowercase letters) is reserved.**

### **Explanation**

You are trying to perform an operation on the default storage pool or default policy. The requested operation is not allowed on the default storage pool or policy.

### **Action**

Perform the operation against a different storage pool or policy.

---

## **CMMNW5015E Is referenced.**

### **Explanation**

You cannot perform this operation on the specified object because the object is active or is referenced by another object.

### **Action**

Wait until the object is not active before attempting to perform this operation.

---

## **CMMNW5016E System (in any combination of uppercase or lowercase letters) is reserved.**

### **Explanation**

You are attempting to perform an operation on an object that is a system object. You cannot perform this operation on a system object.

### **Action**

Perform this operation on another object, not on a system object.

---

## **CMMNW5017E Error sending message to the metadata server. Make sure that the metadata server is online.**

### **Explanation**

The master metadata server could not communicate with a subordinate metadata server.

### **Action**

Make sure that the subordinate metadata server is online. If the problem continues, contact your service representative.

---

## **CMMNW5018E Your current user permissions do not allow you to perform this action.**

### **Explanation**

A required parameter for the command was detected as missing. This is usually caused by the user not having sufficient privileges to access the element using a command.

### **Action**

Make sure you have sufficient access privileges for modifying the system in the capacity that you are attempting. Run the command again.

---

## **CMMNW5019E Name exists.**

### **Explanation**

You cannot complete the specified task because the name you are using already exists.

### **Action**

Specify a name that does not exist.

---

## **CMMNW5020E No memory.**

### **Explanation**

The SAN File System is out of dynamic memory.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the cluster log and correct any errors that might be related to this problem.
2. Restart the metadata server that ran out of memory.

3. Contact your service representative.

---

**CMMNW5021E Not attached.****Explanation**

The operation that you are performing requires a fileset to be attached. The fileset on which you are performing this operation is not currently attached.

**Action**

Make sure the fileset is attached and attempt to perform this operation again.

---

**CMMNW5022E Not found.****Explanation**

You cannot perform the specified operation because the object on which the operation is to be performed was not found.

**Action**

Make sure that you attempt to perform the specified operation on an existing object.

---

**CMMNW5023E This command must be run on the primary administrative server.****Explanation**

To perform this operation, you must be connected to the primary administrative server.

**Action**

Perform these actions in this order to resolve the problem:

1. Make sure you are accessing the primary administrative server, which provides you with administrative access to the master metadata server. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the administrative log and resolve any problems related to the primary administrative server.
3. View the cluster message log and resolve any problems related to the master metadata server.
4. Contact your service representative.

---

**CMMNW5024E Cannot perform specified task because it is not viable in the current context.****Explanation**

This message indicates that while the operation you are trying to perform is a valid operation, the context in which you are performing it is not valid. For example, if you attempt to reattach a fileset and the directory name of the fileset is

in the directory path of the attach point, you receive this message.

**Action**

Make sure the operation you are performing is valid for the situation.

---

**CMMNW5025E Administrative server timed out.**

**Explanation**

You are performing an operation that has taken longer than expected.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. Attempt to perform this operation again.
  3. If the problem continues, contact your service representative.
- 

**CMMNW5026E Policy bind errors.**

**Explanation**

You are attempting to activate a policy, but the policy is not valid. It might reference rules within the policy reference storage pools or filesets that are not available.

**Action**

Make sure all storage pools and filesets referenced by the policy are available. You can also activate a different policy.

---

**CMMNW5027E Policy syntax error.**

**Explanation**

An error was encountered while validating the policy.

**Action**

Correct the error identified with the policy and resubmit.

---

**CMMNW5028E Is root.**

**Explanation**

You are attempting to perform an operation on the root fileset, but this operation is not allowed on the root fileset.

**Action**

Perform this operation on a fileset other than the root fileset.



---

**CMMNW5029E Storage pool not found.****Explanation**

You specified a storage pool to which the volume will be added, but the storage pool does not exist.

**Action**

Make sure that you specify an existing storage pool to add the volume.

---

**CMMNW5030E Subordinate error.****Explanation**

Failure in communicating with subordinate server.

**Action**

Retry the action.

---

**CMMNW5031E Transaction failed.****Explanation**

The operation that you are performing failed because of other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

**CMMNW5032E Unknown command.****Explanation**

The command provided is unknown.

**Action**

Do not use this command.

---

**CMMNW5033E Volume in use.****Explanation**

You cannot perform the operation on the volume because it is currently in use.

**Action**

Wait until the volume is no longer in use before attempting to perform the operation.

---

**CMMNW5034E Volume not found.****Explanation**

You cannot perform the operation on this volume because the volume does not exist.

**Action**

Perform this operation on an existing volume.

---

**CMMNW5035E Allocations already suspended.****Explanation**

You cannot suspend allocations to this volume because they have already been suspended.

**Action**

No action is required.

---

**CMMNW5036E Allocations were not previously suspended.****Explanation**

You cannot activate allocations to this volume because allocations are already activated.

**Action**

No action is required.

---

**CMMNW5037E Is attached.****Explanation**

You cannot perform the operation against this fileset because the fileset is already attached or has nested filesets.

**Action**

Detach all nested filesets and detach this fileset before attempting to perform this operation.

---

**CMMNW5038I End of iteration.****Explanation**

No more object elements in iteration.

### **Action**

If the problem persists, contact your support representative.

---

## **CMMNW5039E Iteration identifier is not valid.**

### **Explanation**

Handle to iteration is not correct.

### **Action**

If the problem persists, contact your support representative.

---

## **CMMNW5040E File not found.**

### **Explanation**

The administrative server could not find the specified log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the log again.
  2. Contact your service representative.
- 

## **CMMNW5041E Cannot read file.**

### **Explanation**

The administrative server has encountered an error while reading the specified log.

### **Action**

Wait a few minutes and attempt to display the log again.

---

## **CMMNW5042I Unable to reach all metadata servers in the cluster. The displayed information includes log messages from only a limited number of metadata servers.**

### **Explanation**

The administrative server cannot access log data for all metadata servers in the cluster. Therefore, the displayed data will not be complete.

### **Action**

Perform these actions in this order to resolve the problem:

1. Verify that all metadata servers in the cluster are accessible. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the cluster log and resolve any problems that might be related to the availability of the metadata servers in the cluster.

3. View the administrative log and resolve any problems that might be related to the log data access.

---

**CMMNW5043E Table is full.****Explanation**

There are a maximum of 32 FlashCopy images that can be created for a fileset. You cannot create a FlashCopy image of the fileset because there are already 32 images created.

**Action**

To create a FlashCopy image, delete one or more existing FlashCopy images. Alternatively, you can force the creation of the FlashCopy image, which automatically deletes the oldest FlashCopy image for this fileset before creating the new image.

---

**CMMNW5044E Directory exists.****Explanation**

You are attempting to perform an operation on a FlashCopy image or a fileset, but the directory you specified already exists.

**Action**

Attempt to perform the operation again, specifying a directory that does not exist.

---

**CMMNW5045E Incompatible operation.****Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time.

**Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

**CMMNW5046E Metadata server not found.****Explanation**

The metadata server on which this operation will be performed cannot be found.

**Action**

Make sure that you perform this operation on an existing metadata server. You can verify that the metadata server is part of the cluster and is available. From the administrative command-line interface, run the `lsserver` command. From the SAN File System console, view the Servers panel.

---

**CMMNW5047E Cluster state is not valid.****Explanation**

You cannot perform this operation because the cluster is not in a valid state.

**Action**

Make sure the cluster is in a state that is valid for the operation you are performing. If the problem continues, contact your service representative.

---

**CMMNW5048E Diskscan failed.****Explanation**

Attempts to scan the disk failed.

**Action**

Manually check the target hardware for access problems.

---

**CMMNW5049E Disk not found.****Explanation**

The requested disk could not be found.

**Action**

Provide an available disk.

---

**CMMNW5050E Disk access denied.****Explanation**

Access to the requested disk has been denied.

**Action**

Fix the reason for the access violation and attempt the call again.

---

**CMMNW5051E Not labeled.****Explanation**

The object is not correctly identified.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5052E Already labeled.****Explanation**

The object is not correctly identified.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5053E Disk not viable.****Explanation**

The volume does not hold at least one partition or Local OSDeviceName is not viable as a global hash.

**Action**

Correct the problem and retry the action.

---

**CMMNW5054E Duplicate master.****Explanation**

More than one master server has been detected.

**Action**

If the problem continues, contact your service representative.

---

**CMMNW5055E Not the master disk.****Explanation**

This is not the master disk.

**Action**

Provide the master disk.

---

**CMMNW5056E Wrong disk identifier.****Explanation**

The identifier for the disk is incorrect.

**Action**

Provide the correct disk identifier and attempt the call again.

---

**CMMNW5057E Access denied.****Explanation**

Access to the object was denied.

**Action**

Determine and fix the reasons for the access problem and attempt the call again.

---

**CMMNW5058E Not enough resources to perform the action.****Explanation**

A specified device is out of storage capacity.

**Action**

Identify the full device, increase the storage capacity on the device, and try your call again.

---

**CMMNW5059E Not a subordinate.****Explanation**

You must perform this operation from a subordinate metadata server, not from the master metadata server.

**Action**

Connect to a subordinate metadata server and attempt to perform the operation again.

---

**CMMNW5060E State of subordinate is not valid.****Explanation**

You must run the setmaster command from a subordinate metadata server, not from the master metadata server.

**Action**

Connect to a subordinate metadata server and attempt to run the setmaster command again.

---

**CMMNW5061E Canceled.****Explanation**

A metadata check was in progress, but a stop metadata check request has canceled this metadata check.

**Action**

If you intended to cancel the metadata check currently in progress, no action is required. Otherwise, attempt to start a metadata check again.

---

**CMMNW5062E Could not connect to the metadata server, so your action could not be completed.**

**Explanation**

The primary administrative agent is unable to connect to the master metadata server. Therefore, the operation cannot be completed. This message can occur because you need to start the master metadata server or because there are problems with the connection protocol.

**Action**

Perform the following actions to resolve this problem.

1. Make sure the master metadata server is started and is online.
2. Check the cluster log for any additional errors related to this problem.
3. Make sure that the primary administrative agent can communicate with the master metadata server.
4. Contact your service representative.

---

**CMMNW5063E Exceeded the connection limit to the metadata server. Try again later.**

**Explanation**

The number of connections to the metadata server is already at the maximum limit. Your request exceeds those limits.

**Action**

Wait a few minutes and make your request again. Alternatively, you can increase the Administrative process limits.

---

**CMMNW5064E Already enabled.**

**Explanation**

You attempted to enable the automatic restart service, but it is already enabled.

**Action**

No action is required.

---

**CMMNW5065E Already disabled.**

**Explanation**

You attempted to disable the automatic restart service, but it is already disabled.

**Action**

No action is required.



---

**CMMNW5066E Metadata server is offline.****Explanation**

You are attempting to perform an operation on a fileset, but the metadata server to which the fileset is assigned is offline. The operation cannot be completed.

**Action**

Change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNW5067E Could not save the server restart service state.****Explanation**

The server restart service state could not be persisted.

**Action**

No action is required.

---

**CMMNW5068E Could not become the master metadata server.****Explanation**

The previous master server still believes it is the master or this master server is unable to communicate with the remote administrative servers.

**Action**

No action required.

---

**CMMNW5069E Already in progress.****Explanation**

An upgrade is already in progress.

**Action**

No action required.

---

**CMMNW5070E Already up to date.****Explanation**

The committed software version is the same as the upgrade version.

**Action**

No action required.

---

---

**CMMNW5071E Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.**

**Explanation**

All of the metadata servers must be at the same software level for the operation to succeed. Also, any connected SAN File System client must have a software version compatible to the current metadata server version.

**Action**

Make sure that the current software version of all the metadata servers is the same. If they are not, upgrade the metadata servers in the cluster so that they are all at the same software level prior to reattempting the operation. Also, ensure that all SAN File System clients connected to the metadata server are at compatible software versions. You must shutdown any clients that are not compatible. Retry the operation.

---

**CMMNW5072E Could not communicate with the RSA II card.**

**Explanation**

The SAN File System cannot communicate with the RSA II adapter card on an engine.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that the RSA II adapter for the engine is functioning correctly.
2. Verify that there is connectivity to the RSA II adapter for the engine.
3. Wait a few minutes and attempt to perform the operation again.
4. Contact your service representative.

---

**CMMNW5073E Hard quota violation.**

**Explanation**

The SAN File System has detected a hard quota violation for a fileset. This error might occur if you are attempting to switch from a soft quota to a hard quota for a fileset, and the change would cause a violation of the hard quota.

**Action**

If you are attempting to modify a hard quota for a fileset, make sure that the percentage of the fileset currently being used does not exceed the hard quota limit. If the problem persists, contact your support representative.

---

**CMMNW5074I Metadata checker detected and repaired corruptions successfully. Tip: Refer to the cluster log for completion status and report details.**

**Explanation**

Metadata checker detected and repaired corruptions successfully. Completion status and report details are written to the cluster log.

**Action**

For complete details, refer to the cluster log.

---

**CMMNW5075E Metadata server configuration parameters do not match.**

**Explanation**

The configuration parameter values in the cluster do not match the values in the server that is being added.

**Action**

Restart the server. If the problem persists, contact your support representative.

---

**CMMNW5076E One or more configuration parameters are not valid.**

**Explanation**

The configuration parameter values in the cluster do not match the values in the server that is being added.

**Action**

Restart the server. If the problem persists, contact your support representative.

---

**CMMNW5077E A metadata check is being stopped, but has not yet completed. Tip: Use the Monitor System Processes task to determine when this metadata check has completed.**

**Explanation**

A metadata check has not completed.

**Action**

No action required.

---

**CMMNW5078E An attempt to salvage metadata corruption has failed. Tip: Refer to cluster log for status information and report details.**

**Explanation**

A repair was requested and the server attempted to salvage, but failed.

### Action

Refer to the cluster log for further information.

---

**CMMNW5079E Storage pool name *VALUE\_0* is not valid. It contains unsupported characters.**

### Explanation

You are attempting to create a storage pool, but the name you have chosen contains characters that are not supported.

### Action

Attempt to create the pool again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character, and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5080E Cannot create a storage pool with the name *object\_name* as this is a reserved system label.**

### Explanation

You are trying to create a pool with the name DEFAULT. However, DEFAULT is a reserved system label.

### Action

To create a storage pool, use another storage pool name.

---

**CMMNW5081E Cannot create a storage pool with the name *object\_name* as this is a reserved system label.**

### Explanation

The system storage pool is used to store SAN File System metadata. Therefore, you cannot create a storage pool using the name SYSTEM.

### Action

Specify a different name for the storage pool that you are creating.

---

**CMMNW5082E Storage pool name *storage\_pool\_name* already exists.**

### Explanation

You cannot create a storage pool with the name that you specified because that name is being used for an existing storage pool.

### Action

Specify a different name for the storage pool that you are creating.

---

## **CMMNW5083E Storage pool *VALUE\_0* is not empty or is referenced by stale objects.**

### Explanation

You cannot delete this storage pool because it contains volumes or is referenced by deleted objects that have yet to be garbage collected.

### Action

Perform the following actions to remove this storage pool:

1. Make sure that the storage pool does not contain volumes by removing all volumes from the storage pool.
  2. Wait a few minutes for the deleted object system space to be reclaimed. After that attempt to delete the storage pool again.
- 

## **CMMNW5084E Cannot delete the default storage pool.**

### Explanation

You cannot delete the default storage pool.

### Action

To delete this storage pool, you must first set another storage pool as the default.

---

## **CMMNW5085E Storage pool *VALUE\_0* is referenced by the active policy.**

### Explanation

You cannot delete the fileset because it is currently referenced by the active policy.

### Action

To delete this fileset, you must first ensure that the active policy does not reference it. Therefore, you must either activate another policy or edit the currently active policy to remove all references to this fileset.

---

## **CMMNW5086E Cannot delete the system storage pool.**

### Explanation

The system storage pool is used to store SAN File System metadata. Therefore, you cannot delete the system storage pool.

### Action

If you need to delete a storage pool, select another storage pool.

---

**CMMNW5087E Storage pool name *storage\_pool\_name* does not exist.****Explanation**

You are attempting to delete a storage pool that does not exist.

**Action**

Make sure that the storage pool exists before attempting to delete it.

---

**CMMNW5088E Storage pool name *VALUE\_1* is not valid. It contains unsupported characters.****Explanation**

You are attempting to change the name of the storage pool, but the new name you have chosen contains characters that are not supported.

**Action**

Make sure that you use a valid name for the new storage pool. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
  - Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
  - Names cannot begin with a dash (-) and cannot consist of only a single dash.
  - Names cannot contain blank spaces.
- 

**CMMNW5089E Cannot rename the storage pool with the name *name* as this is a reserved system label.****Explanation**

You cannot change the name of the storage pool to DEFAULT because it is reserved.

**Action**

To move this storage pool, you must specify another name.

---

**CMMNW5090E Cannot rename the system storage pool.****Explanation**

The system storage pool is used to store SAN File System metadata. Therefore, you cannot change the name of the system storage pool.

**Action**

Do not attempt to change the name of the system storage pool.

---

**CMMNW5091E Cannot change the name *VALUE\_1*. It is reserved.****Explanation**

You cannot change the name of the storage pool because a storage pool with that name already exists.

**Action**

Specify a different name for the storage pool.

---

**CMMNW5092E Storage pool name *storage\_pool\_name* does not exist.****Explanation**

You are attempting to change the name of a storage pool that does not exist.

**Action**

Make sure that the storage pool exists before you attempt to change its name.

---

**CMMNW5093E Cannot change the default storage pool.****Explanation**

You are attempting to set a storage pool as the default, but it is already the default storage pool.

**Action**

If you want this storage pool to be the default storage, no action is required. Otherwise, select another storage pool to set as the default.

---

**CMMNW5094E Cannot set the SYSTEM storage pool to be the default storage pool.****Explanation**

The system storage pool is used to store SAN File System metadata. Therefore, you cannot set the system storage pool to be the default storage pool.

**Action**

Select another storage pool to set as the default storage pool.

---

**CMMNW5095E Storage pool name *storage\_pool\_name* does not exist.****Explanation**

You cannot set the storage pool *storage\_pool\_name* as the default storage pool because no storage pool with that name exists.

**Action**

Select an existing storage pool to set as the default storage pool.

---

**CMMNW5096E Access denied for device *VALUE\_1*.****Explanation**

The SAN File System could not access the specified storage device name.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that the device name exists and is accessible to the metadata server.
2. If the device is accessible, verify that the permissions on the device are set correctly.
3. Verify that the device name was entered correctly.
4. If the problem continues, contact your support representative.

---

**CMMNW5097E SAN File System label already exists on device *VALUE\_1* and it is also already defined as another volume.****Explanation**

The SAN File System detected a label that recognizes the LUN (as represented by the device name) as potentially a part of another SAN File System.

**Action**

Perform these actions in this order to resolve the problem:

1. List all available LUNs. From the administrative command-line interface, run the `lslun` command. From the SAN File System Console, click Available LUNs from the Storage Pools General Settings panel.
2. Make sure that you are adding an available LUN as a volume.

---

**CMMNW5098E SAN File System label already exists on device *device*. Select Forced Addition to overwrite the SAN File System label on *device*.****Explanation**

The SAN File System detected a label that recognizes the LUN (as represented by the device). It might be part of another SAN File System.

**Action**

Make sure that the LUN as represented by the device is not part of any SAN File System. Then, attempt to create the volume again, using the force option to have the SAN File System ignore the existing label.



---

**CMMNW5099E Volume name *volume\_name* is not valid. It contains unsupported characters.**

**Explanation**

You are attempting to create a volume, but the name you have chosen contains characters that are not supported.

**Action**

Create the volume again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5100E Parameters for volume *object\_name* are not valid.**

**Explanation**

Invalid parameter for volume create command.

**Action**

Retry the action with valid parameters.

---

**CMMNW5101E Disk not viable.**

**Explanation**

The LUN given by the device name is not viable as a volume. The properties of the LUN make the addition of the volume to a storage pool not viable. Potential reasons include:

- The LUN does not hold at least one partition.
- The local operating system device name is not viable as a global disk.
- Hashing using World Wide Name (WWN) conflicts.
- The sector size is less than 512 or greater than 4096.
- If it is being added to the system pool, the sector size is not the same as the other volumes in the system pool.

**Action**

Make sure that the LUN is configured appropriately and attempt to create the volume again. Alternatively, you can select another LUN.

---

**CMMNW5102E Input/output for device *device* failed.**

**Explanation**

Device name is invalid.

**Action**

Correct the device name and retry the command.

---

**CMMNW5103E Volume name *volume* already exists.****Explanation**

An attempt was made to create a volume with a name that already exists as a volume.

**Action**

Attempt to create the new volume with a different name or remove the old volume prior to creating the new one.

---

**CMMNW5104E Device is not valid. Local device *device* does not exist.****Explanation**

You are attempting to create a volume, but the device you specified does not exist.

**Action**

Make sure that you specify a valid device name when creating a volume.

---

**CMMNW5105E Storage pool *pool* does not exist.****Explanation**

You specified a storage pool to add the volume, but the storage pool does not exist.

**Action**

Make sure that you specify an existing storage pool to add the volume.

---

**CMMNW5106E Access denied for *object\_name*.****Explanation**

The user who attempted to delete a volume did not have the correct permissions to access the volume.

**Action**

Remove the volume as a user who has permission to that volume.

---

**CMMNW5107E Access failed for *object\_name*.****Explanation**

Server could not access the volume.

**Action**

Verify that the volume exists, and retry the command.

---

**CMMNW5108E Input/output failed when removing the volume *VALUE\_0*.****Explanation**

Device IO failed while attempting to delete the volume.

**Action**

Verify that the volume exists, and retry the command.

---

**CMMNW5109E Volume name *VALUE\_0* is in use.****Explanation**

You are attempting to remove a volume, but the volume is not empty. It has files allocated to it.

**Action**

Perform one of the following actions to remove the volume:

- Wait until the volume no longer has files allocated to it before attempting to delete it. You can run the `reportvolfiles` command from the administrative command-line.
  - Attempt to force the removal of the volume. Note that if you force the removal of the volume, all files that exist on the volume will be deleted. This delete process includes any partial file data that exists on other volumes.
- 

**CMMNW5110E Volume name *VALUE\_0* does not exist.****Explanation**

You cannot delete this volume because it does not exist.

**Action**

Make sure that the volume exists before you attempt to delete it.

---

**CMMNW5111E There is not enough space on other volumes to move the volume contents.****Explanation**

When you remove a volume and you do not force the removal, the SAN File System redistributes the contents of the volume to other volumes in the storage pool. You cannot delete the volume because there is not enough space to move the existing volume contents, and you did not select a forced removal.

**Action**

Perform one of the following actions to delete this volume:

- Make sure that there is enough space on other volumes in the storage pool to move the contents of this volume.
- Attempt to force the removal of the volume. Note that if you force the removal of the volume, all data associated with that volume will be deleted. This delete process includes corresponding partial files on another volume.

---

**CMMNW5112E There are files in this volume from a fileset assigned to a metadata server that is offline.**

**Explanation**

You are attempting to delete a volume. However, there are files in this volume from a fileset that is assigned to an offline metadata server. The deletion cannot be completed.

**Action**

Change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNW5113E Volume name *name* is not valid. It contains unsupported characters.**

**Explanation**

You are attempting to rename a volume, but the new name contains characters that are not supported.

**Action**

Rename the volume again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5114E New volume name *name* already exists.**

**Explanation**

You cannot rename the volume because a volume with the new name already exists.

**Action**

Specify a different name for the volume.

---

**CMMNW5115E Access denied for *object\_name*.**

**Explanation**

Access was denied for the attempt to resume suspended partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5116E Access failed for *object\_name*.****Explanation**

Access failed for attempt to resume suspended partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5117E Volume name *VALUE\_0* does not exist.****Explanation**

You cannot activate this volume because the volume does not exist.

**Action**

Make sure that you activate a volume that currently exists.

---

**CMMNW5118E Volume name *VALUE\_0* is not suspended.****Explanation**

You cannot activate allocations to this volume because allocations are already activated.

**Action**

No action is required.

---

**CMMNW5119E Access denied for *object\_name*.****Explanation**

Access was denied for the attempt to suspend partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5120E Access failed for *object\_name*.****Explanation**

Access failed when attempting to suspend partition allocations.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5121E Volume *VALUE\_0* does not exist.****Explanation**

You cannot suspend this volume because the volume does not exist.

**Action**

Make sure that you suspend a volume that already exists.

---

**CMMNW5122E Volume *VALUE\_0* is not activated.****Explanation**

You cannot suspend allocations to this volume because the volume is not currently an active volume. You can only suspend active volumes.

**Action**

No action is required.

---

**CMMNW5123E Fileset name is not valid. It contains unsupported characters.****Explanation**

One or more characters of the fileset name are invalid.

**Action**

Enter a filename that contains only valid characters.

---

**CMMNW5124E Attach directory *VALUE\_2* is not valid.****Explanation**

The directory specified for the fileset attachment is not valid.

**Action**

Select a valid directory to attach fileset.

---

**CMMNW5125E Attach directory *dir* already exists.****Explanation**

You cannot attach the fileset to the directory *directory* because a directory with the same name already exists in the directory path. When attaching a fileset, the attach point (directory path including the root of the global namespace) must exist, but the actual directory cannot exist. It is created during the attachment process.

**Action**

Attach the fileset again, specifying a directory name that does not currently exist.

---

**CMMNW5126E Attach point *VALUE\_1* does not exist.****Explanation**

You cannot attach the fileset to this attach point (directory path including the root of the global namespace) because it does not exist. The attach point must exist before you can attach a fileset to the attach point.

**Action**

Perform one of these actions to resolve the problem:

- Ensure that the attach point exists and attempt to attach the fileset again.
- Attach the fileset to an attach point that exists.

---

**CMMNW5127E The combination of path and directory name makes the attach not viable.****Explanation**

You are attempting to reattach a fileset and you specified that a directory name of the fileset is in the directory path of the attach point. For example, assume you have a fileset called *c1dir*. If you attempted to reattach this fileset to */sanfs/c1dir/c2dir*, you receive this message.

**Action**

Make sure the directory name of the fileset is not in the existing directory path of the attach point when reattaching the fileset.

---

**CMMNW5128E Fileset name *VALUE\_0* is already attached to another location.****Explanation**

You cannot attach the fileset because it is already attached to another location.

**Action**

To attach the fileset to this location, you must first detach the fileset from the location to which it is currently attached.

---

**CMMNW5129E The fileset *fileset\_name* is already assigned to the *fileset\_name* metadata server.****Explanation**

You are attempting to change the metadata server to which a fileset is assigned. The selected fileset is already assigned to the target metadata server.

**Action**

If you want to assign the fileset to that metadata server, no action is required. Otherwise, attempt to assign the fileset to a different metadata server.

---

**CMMNW5130E You cannot modify the metadata server to which the root fileset is assigned.**

**Explanation**

The root fileset is always assigned to the master metadata server. You cannot modify this assignment.

**Action**

Do not attempt to change the metadata server to which the root fileset is assigned.

---

**CMMNW5131E Metadata server change transaction failed.**

**Explanation**

The metadata server could not be changed because of other concurrent administrative activity that is occurring.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

**CMMNW5132E The operation to assign fileset *fileset* to metadata server *server\_name* failed as it conflicts with the current state or other activity in the cluster.**

**Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time. Another possible reason is that the cluster is in partly quiescent or fully quiescent state.

**Action**

Wait a few minutes and then attempt this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task. Also make sure that the cluster is in either online or offline state.



---

**CMMNW5133E Metadata server *server* does not exist.****Explanation**

You cannot change the assignment of the fileset to the metadata server `server_name` because a metadata server with that name does not exist.

**Action**

Make sure that you perform this operation on an existing metadata server. To verify that the metadata server is part of the cluster and is available (online, offline, or inactive):

- From the administrative command-line interface, run the `lsserver` command.
- From the SAN File System console, view the Servers panel.

---

**CMMNW5134E Cluster or metadata server is not in a valid state.**

**Tip: The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.**

**Explanation**

The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.

**Action**

Verify the correct state of the current and target metadata servers, and retry the command.

---

**CMMNW5135E Fileset name is not valid. It contains unsupported characters.****Explanation**

You are attempting to create a fileset, but the name that you have selected contains characters that are not supported.

**Action**

Create the fileset again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5136E The fileset *fileset\_name* already exists.****Explanation**

You cannot create a fileset with the name you specified because that name is already being used for an existing fileset.

**Action**

Specify a different name for the fileset that you are creating.

---

**CMMNW5137E Attach point *VALUE\_2* does not exist.****Explanation**

You are attempting to create a fileset but the attach point does not exist. The attach point is used to specify where within the global namespace the fileset will be attached, so the attach point must already exist.

**Action**

Attempt to create the fileset again, specifying an attach point that currently exists.

---

**CMMNW5138E Subordinate metadata server error.****Explanation**

Failure in communicating with the subordinate server.

**Action**

Verify that the subordinate is available and retry the creation.

---

**CMMNW5139E The transaction failed.****Explanation**

The fileset cannot be created because there is other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

**CMMNW5140E The attach directory *VALUE\_3* already exists.****Explanation**

You are attempting to create a fileset, but the directory you specified (which will be the root of the fileset directory tree) already exists. The SAN File System creates the directory when it creates the fileset, and so the directory cannot already exist.

**Action**

Attempt to create the fileset again using a directory name that does not exist.

---

**CMMNW5141E Metadata server *server* does not exist.****Explanation**

You cannot assign this fileset to the metadata server *server\_name* because a metadata server with that name does not exist.

**Action**

Make sure that you assign the fileset to an existing metadata server. You can verify that the metadata server is part of the cluster and is available (online, offline, or inactive):

- From the administrative command-line interface, run the `lserver` command.
  - From the SAN File System console, view the Servers panel.
- 

**CMMNW5142E Fileset *fileset\_name* is not empty. Select Forced Delete to delete the files and remove the fileset.****Explanation**

You cannot delete the fileset because it contains files.

**Action**

Perform one of the following actions to remove the fileset

- Make sure the fileset is empty by moving all files to another fileset or deleting the file.
  - Force the deletion of the fileset. Note that if you force the deletion of the fileset, all files and directories in the fileset will also be deleted.
- 

**CMMNW5143E The fileset cannot be deleted. It is referenced by the current active policy set.****Explanation**

You cannot detach the fileset because clients are currently accessing data within the fileset.

**Action**

Perform one of these actions to resolve the problem:

- Wait until clients are no longer accessing files in the fileset before attempting to detach it.
- Force the detachment of the fileset. Note that if you force the detachment of the fileset, the files and directories in the fileset will be deleted, even those currently being accessed.

---

**CMMNW5144E Fileset *fileset\_name* does not exist.****Explanation**

You cannot delete the fileset *fileset\_name* because no fileset with that name exists.

**Action**

No action is required.

---

**CMMNW5145E You cannot remove the root fileset.****Explanation**

The root fileset must always be assigned to the master metadata server. You cannot remove the root fileset.

**Action**

Do not attempt to remove the root fileset.

---

**CMMNW5146E Fileset *VALUE\_0* is not detached. Detach the fileset before removing it.****Explanation**

You cannot remove the fileset because it is not detached.

**Action**

Detach the fileset and then attempt to remove it.

---

**CMMNW5147E Fileset *fileset\_name* cannot be detached because there are nested filesets that are still attached.****Explanation**

You cannot detach this fileset because nested filesets are still attached to it.

**Action**

Detach all nested filesets that are attached to this fileset. Then attempt to detach this fileset again.

---

**CMMNW5148E The fileset cannot be detached. It is currently referenced by active clients and you did not select Forced Detach.**

**Explanation**

Filesets can only be detached if they are not referenced.

**Action**

Eliminate all references to the fileset to be detached and retry the command or perform a forced detach.

---

**CMMNW5149E Fileset *fileset\_name* is not attached.**

**Explanation**

You cannot detach the fileset because it is not currently attached. You can only detach filesets that are attached.

**Action**

No action is required.

---

**CMMNW5150E Fileset *VALUE\_0* does not exist.**

**Explanation**

You cannot detach the fileset because no fileset with that name exists.

**Action**

No action is required.

---

**CMMNW5151E You cannot detach the root fileset.**

**Explanation**

The root fileset must always be assigned to the master metadata server. You cannot detach the root fileset.

**Action**

Do not attempt to detach the root fileset.

---

**CMMNW5152E Fileset name is not valid. It contains unsupported characters.**

**Explanation**

You are attempting to rename a fileset, but the new name you have selected contains unsupported characters.

### Action

Attempt to create the fileset again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

## **CMMNW5153E Fileset *new\_name* already exists.**

### Explanation

You cannot rename a fileset to the name you specified because that name is already being used for an existing fileset.

### Action

Specify a different name for the fileset. Alternatively, you can detach and delete the existing fileset with that name.

---

## **CMMNW5154E Fileset *fileset\_name* does not exist.**

### Explanation

You cannot modify the attributes of the fileset *fileset\_name* because no fileset with that name exists.

### Action

Make sure that the fileset for which you want to modify attributes currently exists.

---

## **CMMNW5155E Parameter formatted incorrectly.**

### Explanation

One of the following exceeds the maximum: PIT Name Length, Description Length, Directory Name Length; or the Directory Name contains directory separators.

### Action

Correct the entry and retry the command.

---

## **CMMNW5156E FlashCopy image *VALUE\_0* already exists.**

### Explanation

You cannot create a FlashCopy image with the name you specified because that name is already being used for an existing FlashCopy image.

### **Action**

Specify a different name for the FlashCopy image that you are creating. Alternatively, you can delete the existing FlashCopy image with that name.

---

## **CMMNW5157E Fileset *fileset* not found.**

### **Explanation**

You are attempting to create a FlashCopy image of a fileset, but no fileset with the name `fileset_name` exists or is not currently assigned to a metadata server.

### **Action**

Make sure that you are attempting to create a FlashCopy image of a fileset that currently exists and is assigned to a metadata server.

---

## **CMMNW5158E The transaction failed.**

### **Explanation**

The FlashCopy image could not be created because of other concurrent administrative activity that is occurring.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

## **CMMNW5159E Directory *VALUE\_2* already exists.**

### **Explanation**

You are attempting to create a FlashCopy image, but the directory you specified already exists.

### **Action**

Create the FlashCopy image again, but specify a directory name that does not exist. Alternatively, you can delete the existing FlashCopy image with this directory name and then create a new image with this directory name.

---

**CMMNW5160E** The fileset *VALUE\_1* already contains the maximum number of FlashCopy images (32) and you did not select Force Image Creation.

**Explanation**

The fileset already contains the maximum number of FlashCopy images (32) and you did not select Force Image Creation.

**Action**

Either delete an image or use the force option.

---

**CMMNW5161E** Incompatible operation.

**Explanation**

The server is executing an operation that is incompatible with creating a Flashcopy.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5162E** The client is accessing the FlashCopy image being removed and Forced Delete was not specified.

**Explanation**

You are attempting to delete a FlashCopy image, but a client is currently accessing files from the image. Therefore, you cannot delete this image.

**Action**

Perform one of these actions to resolve the problem:

1. Wait a few minutes for client access of the FlashCopy image to complete. Then attempt to delete the FlashCopy image again.
  2. Attempt to force the deletion the FlashCopy image. Note that if you force the deletion of the image, any open files associated with the image will be lost, which might result in application errors.
- 

**CMMNW5163E** FlashCopy image *image\_name* not found.

**Explanation**

You are attempting to delete a FlashCopy image, but no image with the name *image\_name* exists.

**Action**

No action is required.



---

## **CMMNW5164E The transaction failed.**

### **Explanation**

The FlashCopy image could not be deleted because of other concurrent administrative activity.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
2. View the cluster log and resolve any errors that might be related to this problem.
3. Wait a few minutes and perform the operation again.
4. Contact your support representative.

---

## **CMMNW5165E Incompatible operation.**

### **Explanation**

The server is executing an operation that is incompatible with deleting a Flashcopy.

### **Action**

Retry the action. If the problem continues, contact your service representative.

---

## **CMMNW5166E A client is accessing the FlashCopy image being restored and you did not select Forced Revert.**

### **Explanation**

You are attempting to revert a fileset to a FlashCopy image, but a client is currently accessing files from that image. Therefore, you cannot revert the fileset to the FlashCopy image.

Note: Filesets can have multiple images. If a client is accessing files in any of the images between the current fileset and the image you are trying to revert to, this message appears. For example, assume that there are 5 FlashCopy images, with 1 being the oldest image and 5 being the most recent image. If you attempt to revert to image 1 and a client is accessing files in any of the images between 1 and 5, this message appears.

### **Action**

Perform one of these actions to resolve the problem:

- Wait a few minutes for client access to the FlashCopy image to complete. Then attempt to revert the fileset to the FlashCopy image again.
- Attempt to revert the fileset to another FlashCopy image.
- Attempt to force the reversion of the fileset to the selected FlashCopy image. Note that if you specify a forced reversion, any open files associated with the fileset will be lost, which can result in application errors.

---

**CMMNW5167E FlashCopy image *image\_name* not found.****Explanation**

You are attempting to revert a fileset to a FlashCopy image, but no image with the name *image\_name* exists.

**Action**

Revert the fileset to an existing FlashCopy image.

---

**CMMNW5168E The transaction failed.****Explanation**

The attempt to revert the fileset to the FlashCopy image could not be completed because of other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

**CMMNW5169E The fileset *VALUE\_1* has nested filesets. Tip: Detach the nested filesets before attempting to revert to a FlashCopy image.****Explanation**

You cannot revert to a FlashCopy image for the fileset because it has nested filesets.

**Action**

Detach any nested filesets. Then attempt to revert this fileset to a FlashCopy image.

---

**CMMNW5170E The revert failed because the FlashCopy image contained incomplete files.****Explanation**

You cannot revert the fileset to this FlashCopy image because the image contains incomplete files. This might be the result of a forced removal of a volume containing files that are also in this image.

**Action**

Attempt to revert the fileset to another FlashCopy image.

---

**CMMNW5171E Incompatible operation.****Explanation**

The server is executing an operation that is incompatible with reverting a Flashcopy.

**Action**

Retry the action. If the problem continues, contact your service representative.

---

**CMMNW5172E Could not activate the policy because there is a duplicate reference *VALUE\_2* *VALUE\_3* in the rule *VALUE\_1*.****Explanation**

There is a duplicate reference in the policy.

**Action**

Remove the duplicate reference and retry the activation.

---

**CMMNW5173E Policy *policy\_name* does not exist.****Explanation**

You are attempting to activate a policy, but no policy with the name *policy\_name* exists.

**Action**

Attempt to activate a policy that currently exists. Alternatively, you can create a policy named *policy\_name* and then activate it.

---

**CMMNW5174E Could not activate the policy because the rule *VALUE\_1* references the *VALUE\_2* *VALUE\_3* that does not exist.****Explanation**

You are attempting to activate a policy, but the policy is not valid. Rules within the policy reference storage pools or filesets (filesets) that are not available.

**Action**

Make sure all of the storage pools and filesets referenced by the policy are available. You can also activate a different policy.

---

**CMMNW5175E Policy *VALUE\_0* already exists.****Explanation**

You are attempting to create a new policy, but the name you have specified for this policy already exists.

## Action

If you want to create a new policy using this name, you must first delete the existing policy with that name. Alternatively, you can create a new policy using a different name.

Note: If you are running the `mkpolicy` command from the administrative command-line interface, you can use the `-f` parameter to overwrite an existing policy.

---

**CMMNW5176E Policy *VALUE\_0* is already active. To use this name, activate another policy before attempting to change this policy.**

## Explanation

You are attempting to modify the active policy. You can only modify policies that are not active.

## Action

To modify the active policy, you must first activate another policy. Activating the other policy will automatically deactivate this policy.

If you are using the SAN File System console, you can then create a new policy by cloning this policy.

If you are using the administrative command-line interface, you can then create the policy again, specifying the force parameter to overwrite this policy.

---

**CMMNW5177E Policy name *VALUE\_0* is not valid: contains unsupported characters.**

## Explanation

You are attempting to create a new policy, but the name contains characters that are not supported.

## Action

Create the new policy again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5178E Cannot create a policy with the name *DEFAULT\_POLICY*.**

## Explanation

You cannot create a policy with the name `DEFAULT_POLICY` because it is the system default policy.

**Action**

Select another name for the policy that you are creating.

---

**CMMNW5179E Policy *VALUE\_0* does not exist.****Explanation**

The specified policy does not exist.

**Action**

No action required.

---

**CMMNW5180E Could not create the policy because of a syntax error. *''line\_start offending\_token line\_end''* generated this error message: *error\_msg*****Explanation**

A syntax error was detected during the attempted creation of the policy.

**Action**

Correct the syntax error that was reported and try to create the policy again.

---

**CMMNW5181E Policy *name* is the active policy. Activate a different policy before removing this policy.****Explanation**

You cannot remove the active policy. You can remove only policies that are inactive.

**Action**

To remove this policy, activate another policy. Activating another policy will deactivate this policy. Then, attempt to remove the policy again.

---

**CMMNW5182E You cannot remove the policy named *DEFAULT\_POLICY*.****Explanation**

You cannot remove the policy named *DEFAULT\_POLICY* because it is the system default policy.

**Action**

No action is required.

---

**CMMNW5183E Policy *policy\_name* does not exist.****Explanation**

You cannot delete the policy *policy\_name* because it does not exist.

**Action**

If you previously deleted this policy, no further action is required. Otherwise, select an existing inactive policy to delete.

---

**CMMNW5184E Policy *policy\_name* does not exist.****Explanation**

You are attempting to obtain rules from a policy that does not exist. If you are using the SAN File System console, you might be trying to access a policy that another user has deleted.

**Action**

Make sure that the policy exists before attempting to access that policy.

---

**CMMNW5185E A cluster upgrade is already in progress.****Explanation**

A cluster upgrade is already in progress.

**Action**

No action required.

---

**CMMNW5186E All metadata server software in the cluster is already up-to-date.****Explanation**

All metadata server software in the cluster is already up-to-date.

**Action**

No action required.

---

**CMMNW5187E Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.****Explanation**

Either not all metadata servers in the cluster are the same version, or not all SAN File System clients connected are at compatible versions.

### **Action**

Correct the version discrepancy and retry the command.

---

## **CMMNW5188E Another metadata check is already active.**

### **Explanation**

You attempted to start a metadata check, but there is already a metadata check in progress. Only one metadata check can be in progress at a time.

### **Action**

To start a new metadata check, perform one of these actions:

- Wait until the current metadata check has completed.
  - Stop the current metadata check.
- 

## **CMMNW5189E Integrity lost. Corruption detected. Tip: Refer to cluster log for status information and report details.**

### **Explanation**

FileSystem Check detected corruption.

### **Action**

Retry the action. If the problem continues, contact your service representative.

---

## **CMMNW5190E A parameter is not valid. Check the fileset list values for validity.**

### **Explanation**

One or more of the parameters are invalid.

### **Action**

Correct the invalid parameters and retry the command.

---

## **CMMNW5191E Incompatible operation.**

### **Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time.

### **Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

**CMMNW5192E A stop metadata check request has canceled the metadata check.**

**Explanation**

A metadata check was in progress, but a stop metadata check request has canceled this metadata check.

**Action**

If you wanted to cancel the metadata check currently in progress, no action is required. Otherwise, attempt to start a metadata check again.

---

**CMMNW5193E Exceeded the connection limit to the metadata server.**

**Explanation**

The number of connections to the metadata server is already at the maximum limit. Your request would exceed those limits.

**Action**

Wait a few minutes and make your request again. Alternatively, you can increase the Admin process limits.

---

**CMMNW5194I Metadata Checker detected and repaired corruption(s) successfully. Tip: Refer to cluster log for completion status and report details.**

**Explanation**

Metadata Checker detected and repaired corruption(s) successfully.

**Action**

No action required.

---

**CMMNW5195E You cannot quiesce a cluster from this administrative server.**

**Explanation**

You cannot quiesce a cluster from this administrative server.

**Action**

Retry the command from the master metadata server.

---

**CMMNW5196E The attempt to quiesce the cluster failed.**

**Explanation**

An attempt to quiesce the cluster could not complete successfully.



### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to quiescing the cluster.
2. View the cluster log and correct any errors that might be related to quiescing the cluster.
3. Attempt to quiesce the cluster again.
4. Contact your support representative.

---

## **CMMNW5197E A parameter is not valid.**

### **Explanation**

One or more parameters are invalid.

### **Action**

Correct the invalid parameters and retry the command.

---

## **CMMNW5198E You cannot resume a cluster from this administrative server.**

### **Explanation**

You cannot resume a cluster from this administrative server.

### **Action**

Retry the command from the master metadata server.

---

## **CMMNW5199E The attempt to resume the cluster failed.**

### **Explanation**

The attempt to resume the cluster could not complete successfully.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to resuming the cluster.
2. View the cluster log and correct any errors that might be related to resuming the cluster.
3. Attempt to resume the cluster again.
4. Contact your support representative.

---

## **CMMNW5200E You cannot start a cluster from this administrative server.**

### **Explanation**

You cannot start a cluster from this administrative server.

**Action**

Retry this command from the master metadata server.

---

**CMMNW5201E The attempt to start the cluster failed.****Explanation**

The attempt to start the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to starting the cluster.
  2. View the cluster log and correct any errors that might be related to starting the cluster.
  3. Attempt to start the cluster again.
  4. Contact your support representative.
- 

**CMMNW5202E The cluster is already running.****Explanation**

You cannot start the cluster because it is already running.

**Action**

No action is required.

---

**CMMNW5203E A metadata check is not currently in progress.****Explanation**

You are attempting to stop a metadata check, but there is no metadata check running.

**Action**

No action is required.

---

**CMMNW5204E Stopping a cluster is not supported on this metadata server.****Explanation**

Stopping a cluster is not supported on this metadata server.

**Action**

Retry this command from the master metadata server.

---

**CMMNW5205E The attempt to stop the cluster failed.****Explanation**

The attempt to stop the cluster could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to stopping the cluster.
2. View the cluster log and correct any errors that might be related to stopping the cluster.
3. Attempt to stop the cluster again.
4. Contact your support representative.

---

**CMMNW5206E You cannot start a metadata server from this metadata server.****Explanation**

You cannot start a metadata server from this metadata server.

**Action**

Retry this command from the master metadata server.

---

**CMMNW5207E The attempt to start metadata server *server\_name* failed.****Explanation**

The attempt to start the metadata server *server\_name* could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to starting the metadata server.
2. View the cluster log and correct any errors that might be related to starting the metadata server.
3. Attempt to start the metadata server again.
4. Contact your support representative.

---

**CMMNW5208E Metadata server *server\_name* is already running.****Explanation**

You cannot start this metadata server because it is already started. You can only start metadata servers that are currently stopped.

### Action

If this is the metadata server that you are trying to start, no action is required. Otherwise, make sure that the metadata server that you are attempting to start is currently stopped.

---

## **CMMNW5209E Metadata server *server\_name* does not exist.**

### Explanation

You are attempting to start metadata server *server\_name* but no metadata server with that name exists.

### Action

Make sure that you select an existing metadata server to be started.

---

## **CMMNW5210E You cannot stop a metadata server from this metadata server.**

### Explanation

You cannot stop a metadata server from this metadata server.

### Action

Retry this command from the master metadata server.

---

## **CMMNW5211E The attempt to stop *server\_name* failed.**

### Explanation

The attempt to stop metadata server *server\_name* could not complete successfully.

### Action

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to stopping the metadata server.
2. View the Cluster log and correct any errors that might be related to stopping the metadata server.
3. Attempt to stop the metadata server again.
4. Contact your support representative.

---

## **CMMNW5212E Metadata server *server\_name* does not exist.**

### Explanation

You are attempting to stop metadata server *server\_name*, but there is no metadata server with that name.

### Action

Make sure that you select an existing metadata server to be stopped.

---

**CMMNW5213E Operation failed. No audit logs were cleared.****Explanation**

The attempt to clear the audit logs could not complete successfully.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to clearing the audit.
2. View the Cluster log and correct any errors that might be related to clearing the audit log.
3. Attempt to clear the audit log again.
4. Contact your support representative.

---

**CMMNW5214E Audit logs for some metadata servers in the cluster were not cleared.****Explanation**

When you view the audit log from the master metadata server, a consolidated view of the audit logs from all metadata servers in the cluster is displayed. The administrative server cannot access log data for all metadata servers in the cluster. Therefore, the audit logs for these metadata servers cannot be cleared.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that all metadata servers in the cluster are accessible. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the cluster log and resolve any problems that might be related to the availability of the metadata servers in the cluster.
3. View the administrative log and resolve any problems that might be related to the log data access.

---

**CMMNW5215E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
2. Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5216E The audit log could not be read.****Explanation**

The administrative server has encountered an error while reading the audit log.

**Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5217E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5218E The audit log could not be read.****Explanation**

The administrative server has encountered an error while reading the audit log.

**Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5219E The audit log could not be found.****Explanation**

The administrative server could not find the audit log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5220E The audit log could not be read.****Explanation**

The administrative server has encountered an error while reading the audit log.

### **Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5221E The audit log could not be found.**

### **Explanation**

The administrative server could not find the audit log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the audit log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

## **CMMNW5222E The audit log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the audit log.

### **Action**

View in the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5223E The administrative log could not be found.**

### **Explanation**

The administrative server could not find the administrative log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
  2. Contact your service representative.
- 

## **CMMNW5224E The administrative log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the administrative log.

### **Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNW5225E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
2. Contact your service representative.

---

**CMMNW5226E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNW5227E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
2. Contact your service representative.

---

**CMMNW5228E The administrative log could not be read.****Explanation**

The administrative server has encountered an error while reading the administrative log.

**Action**

Wait a few minutes and attempt to display the administrative log again.

---

**CMMNW5229E The administrative log could not be found.****Explanation**

The administrative server could not find the administrative log.



### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the administrative log again.
2. Contact your service representative.

---

## **CMMNW5230E The administrative log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the administrative log.

### **Action**

Wait a few minutes and attempt to display the administrative log again.

---

## **CMMNW5231E The security log could not be found.**

### **Explanation**

The administrative server could not find the security log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5232E The security log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the security log.

### **Action**

View the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5233E The security log could not be found.**

### **Explanation**

The administrative server could not find the security log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5234E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5235E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5236E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5237E The security log could not be found.****Explanation**

The administrative server could not find the security log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the security log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5238E The security log could not be read.****Explanation**

The administrative server has encountered an error while reading the security log.

### **Action**

View the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5239E Operation failed. No server message logs were cleared.**

### **Explanation**

The attempt to clear the server message logs could not complete successfully.

### **Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the failure of the command.
2. Attempt to clear the cluster log again.
3. Contact your support representative.

---

## **CMMNW5240E Server message logs for some metadata servers in the cluster were not cleared.**

### **Explanation**

When you view the cluster log from the master metadata server, a consolidated view of the server message logs from all metadata servers in the cluster is displayed. The administrative server cannot access log data for all metadata servers in the cluster. Therefore, the server message logs for these metadata servers cannot be cleared.

### **Action**

Perform these actions in this order to resolve the problem:

1. Verify that all metadata servers in the cluster are accessible. From the administrative command-line interface, run the `lsserver` command specifying the role of master. From the SAN File System console, view the Servers panel.
2. View the cluster log and resolve any problems that might be related to the availability of the metadata servers in the cluster.
3. View the administrative log and resolve any problems that might be related to the log data access.

---

## **CMMNW5241E The cluster log could not be found.**

### **Explanation**

The administrative server could not find the cluster message log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
2. Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5242E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5243E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
  2. Look in the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5244E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

Look in the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5245E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5246E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5247E The cluster log could not be found.****Explanation**

The administrative server could not find the cluster message log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the cluster message log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5248E The cluster log could not be read.****Explanation**

The administrative server has encountered an error while reading the cluster message log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5249E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

**CMMNW5250E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

### **Action**

View the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5251E The event log could not be found.**

### **Explanation**

The administrative server could not find the event log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

## **CMMNW5252E The event log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the event log.

### **Action**

View the administrative log and resolve any problems related to displaying this log.

---

## **CMMNW5253E The event log could not be found.**

### **Explanation**

The administrative server could not find the event log.

### **Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
  2. View the administrative log and resolve any problems related to displaying this log.
- 

## **CMMNW5254E The event log could not be read.**

### **Explanation**

The administrative server has encountered an error while reading the event log.

### **Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5255E The event log could not be found.****Explanation**

The administrative server could not find the event log.

**Action**

Perform these actions in this order to resolve the problem:

1. Wait a few minutes and attempt to display the event log again.
2. View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5256E The event log could not be read.****Explanation**

The administrative server has encountered an error while reading the event log.

**Action**

View the administrative log and resolve any problems related to displaying this log.

---

**CMMNW5257E This operation is not supported for engine *engine\_name*.****Explanation**

The set power state operation is not valid for this engine.

**Action**

No action required.

---

**CMMNW5258E Operation failed. Cannot access the RSA provider.****Explanation**

You are attempting to set the power state for an engine, but the SAN File System is unable to communicate with the RSA adapter for that engine. Therefore, the power state cannot be set.

**Action**

Perform the following actions in this order to resolve the problem:

1. Verify that the RSA adapter for the engine is functioning correctly, and that there is connectivity to the RSA adapter for the engine. From the SAN File system console, you can view engine properties to determine if the RSA adapter is functioning. From the administrative command-line interface, you can run the `statengine` command.
2. View the administrative error log and resolve any problems found in the log that are related to this engine.
3. Attempt to set the power state again.

4. Contact your service representative.

---

**CMMNW5259E RSA is not available.****Explanation**

You are attempting to set the power state for an engine, but the SAN File System is unable to communicate with the RSA adapter for that engine. Therefore, the power state cannot be set.

**Action**

Perform the following actions in this order to resolve the problem:

1. Verify that the RSA adapter for the engine is functioning correctly.
2. Verify that there is connectivity to the RSA adapter for the engine.
3. Wait a few minutes and attempt to set the power state again.
4. Contact your service representative.

---

**CMMNW5260E File name is not valid. It contains unsupported characters.****Explanation**

You are attempting to create a disaster recovery file, but the name that you specified contains unsupported characters.

**Action**

Create the disaster recovery file again using a valid file name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5261E The file name *file\_name* already exists.****Explanation**

You are attempting to create a disaster recovery file, but a disaster recovery file with the name `file_name` already exists.

**Action**

Create the disaster recovery file again, using a name that does not currently exist. You can also force the creation of a disaster recovery file with the name `file_name`, which will overwrite the existing disaster recovery file.



---

**CMMNW5262E Not enough space for the disaster recovery file *file\_name*.**

**Explanation**

You are attempting to create a disaster recovery file, but there is not enough space available on the local disk of the master metadata server to store the disaster recovery file.

Note: Disaster recovery files are stored in /usr/tank/server/DR on the local disk of the engine hosting the master metadata server. They are not stored on the SAN.

**Action**

Perform one of these actions to resolve the problem

1. Delete an existing disaster recovery file.
2. Increase the amount of space available on the local disk of the engine hosting the master metadata server.

After resolving the problem, create a disaster recovery file again.

---

**CMMNW5263E Disaster recovery file *file\_name* does not exist.**

**Explanation**

You are attempting to delete a disaster recovery file, but a disaster recovery file with the name *file\_name* does not exist.

**Action**

Make sure that you are deleting a disaster recovery file that currently exists.

---

**CMMNW5264E Metadata server *server\_name* does not exist.**

**Explanation**

You are attempting to disable the automatic restart service for the metadata server *server\_name*, but there is no metadata server with that name.

**Action**

Make sure that you select a valid metadata server on which to disable the automatic restart service.

---

**CMMNW5265E The automatic restart service for metadata server *server\_name* is already disabled.**

**Explanation**

You are attempting to disable the automatic restart service for the metadata server *server\_name*, but the service has already been disabled for this metadata server.

### Action

No action is required. The automatic restart service is already disabled.

---

## **CMMNW5266E Metadata server *server\_name* does not exist.**

### Explanation

You are attempting to enable the automatic restart service for the metadata server *server\_name*, but there is no metadata server with that name.

### Action

Make sure that you choose a valid metadata server on which to enable the automatic restart service.

---

## **CMMNW5267E The automatic restart service for metadata server *server\_name* already enabled.**

### Explanation

You are attempting to enable the automatic restart service for the metadata server *server\_name*, but the service has already been enabled for this metadata server.

### Action

The automatic restart service is already enabled so no action is required.

---

## **CMMNW5268E Not enough space for additional privileged clients.**

### Explanation

You are attempting to grant root privileges to a client, but there is not enough space available to add a client to the list of privileged clients. The maximum number of clients is limited to the number of clients that can fit into 256 characters.

### Action

If you need to grant root privileges to an additional client, you must first revoke root privileges from an existing privileged client.

---

## **CMMNW5269E Could not modify the privileged client settings because a previous cluster configuration change is pending.**

### Explanation

You are attempting to grant root privileges to a client, but there is previous uncommitted configuration change pending.

### Action

If you need to grant root privileges to an additional client, you must first commit the pending configuration change by restarting the cluster.

---

**CMMNW5270E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

**Action**

Wait several minutes and attempt to perform the operation again.

---

**CMMNW5271E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

**Action**

Wait several minutes and attempt to perform the operation again.

---

**CMMNW5272E Incompatible operation. The metadata server is busy performing another administrative request.**

**Explanation**

The SAN File System metadata server is in the middle of a cluster reformation and will not allow you to perform the requested operation at this time. Another probable cause of failure is that the SAN File System is executing other administrative processes that are preventing the SAN File System from executing the given request.

**Action**

Wait several minutes and attempt to perform the operation again.

---

**CMMNW5273E Metadata server stopped and exited after starting.**

**Explanation**

CIMOM started the SAN File System metadata server, but detected that the metadata server has exited. CIMOM will attempt to start the metadata server again four times. If the server cannot be started within the limited number of retries, the autorestart facility will be disabled.

### Action

Determine the reason why SAN File System metadata server is not remaining operational. When the problem is corrected, you can enable autorestart.

---

## **CMMNW5274I Privileged client access successfully granted for *client\_name*.**

### Explanation

System privileged access was successfully granted to the client.

### Action

No action is required.

---

## **CMMNW5275E Privileged client *client\_name* already exists.**

### Explanation

The client name supplied for granting privileged system access already has this access.

### Action

Run `statcluster -config` to view currently defined privileged clients.

---

## **CMMNW5276I Privileged client access successfully removed for *client\_name*.**

### Explanation

System privileged access was successfully removed from the client.

### Action

No action is required.

---

## **CMMNW5277E Privileged client *client\_name* does not exist.**

### Explanation

The attempt to remove privileged access from the client name provided failed because no client with that name was found to have those access rights.

### Action

Run `statcluster -config` to view currently defined privileged clients.

---

**CMMNW5278E Cannot perform the specified operation on the system volume.****Explanation**

The specified command or parameter is not allowed on volumes belonging to the SYSTEM storage pool.

**Action**

Determine if the target volume is a system volume or not. If it is a system volume, certain optional parameters are not allowed. Identify these parameters and reissue the command without the identified parameters. Alternately, a system volume is specified instead of a user volume. Reissue the command with the right user volume.

---

**CMMNW5279E Device not found.****Explanation**

You cannot perform the specified operation because the device on which the operation is to be performed was not found.

**Action**

Make sure that you attempt to perform the specified operation on an existing device.

---

**CMMNW5280E The specified client cannot be found.****Explanation**

You cannot perform the specified operation because the client you specified is not in the active client list.

**Action**

Make sure that the specified client is an active SAN File System client and reissue the command.

---

**CMMNW5281E The specified client is either not available or not responding.****Explanation**

The specified operation failed because the SAN File System metadata server could not communicate with the client that you specified.

**Action**

Make sure that the specified client is an active SAN File System client and reissue the command.

---

**CMMNW5282E There was an I/O failure with the specified client.****Explanation**

The operation failed because the specified client could not perform the necessary I/O.

**Action**

Make sure that the specified SAN File System client has the correct access to the underlying device. Reissue the command.

---

**CMMNW5283E The specified client does not support the requested operation.****Explanation**

The SAN File System metadata server relies on the client to perform certain operations in order for the issued command to succeed. The operation failed because the specified client could not perform the necessary operation requested by the SAN File System metadata server. This can happen when the version of the protocol supported by a client is older than the required version.

**Action**

Make sure that the specified SAN File System client is the right version. Reissue the command.

---

**CMMNW5284E Detected and corrected by metadata checker.****Explanation**

The SAN File System metadata checker was active after the situation has occurred. The metadata checker noticed the discrepancy and corrected the problem.

**Action**

No action is required.

---

**CMMNW5285E Volume expansion was not performed because the size of the volume is current.****Explanation**

The size of the underlying LUN for the target volume is found to be matching with the current size of the volume.

**Action**

Make sure that the size of the underlying LUN is increased first and reissue the command.

---

**CMMNW5286E Cannot specify a client name parameter for the system volume.****Explanation**

A SAN File System client is not needed to expand the size of volumes belonging to the SYSTEM storage pool. Therefore, the `client_name` parameter is not allowed for system volume.

**Action**

Determine if the target volume is a system volume. If it is a system volume, reissue the command without specifying the `client_name` parameter. Alternately, if a system volume is specified instead of a user volume, reissue the command with the correct user volume.

---

**CMMNW5287E The underlying logical unit device (LUN) is not found.****Explanation**

If the volume specified is a system volume, the SAN File System master metadata server could not access the underlying LUN device to carry out the specified operation. If the volume specified is a user volume, the specified client could not access the underlying LUN device to perform the specified operation. If the volume specified is a user volume and a client is not specified, the SAN File System master metadata server could not access the underlying LUN device to perform the specified operation.

**Action**

For system volumes, make sure that the underlying LUN for a volume is accessible and reissue the command. For user volumes, make sure you specify a client that can access the underlying LUN and reissue the command. For user volumes that are specified without a client, select a client that can access the underlying LUN and reissue the command.

---

**CMMNW5288E Volume expansion was not performed because the size was expanded by the metadata checker.****Explanation**

The SAN File System metadata checker was active after the underlying LUN for the volume was expanded. The metadata checker has noticed the increase in size of the LUN and expanded the size of the volume accordingly. It is not necessary to issue this command.

**Action**

No action is required.

---

**CMMNW5289E The file *file\_path* was not found.****Explanation**

The file name provided does not exist.

### Action

Provide a valid file name.

---

**CMMNW5290E Cannot run the statfile command because a cluster transition is in progress. Tip: Wait a few minutes and run statfile again.**

### Explanation

The cluster transition is in progress.

### Action

Reissue this command.

---

**CMMNW5291E The fileset serving this file is offline. Tip: Wait a few minutes and run statfile again.**

### Explanation

This file belongs to a fileset with a metadata server that is currently offline.

### Action

No action is required.

---

**CMMNW5292E You must upgrade the cluster before running statfile.**

### Explanation

The metadata server does not support this operation mainly because it might be running an older version of SAN File System.

### Action

Upgrade SAN File System and reissue this command.

---

**CMMNW5293E A directory specified for the file *file\_path* was not found.**

### Explanation

One of the non-leaf elements in the file path specified is not a directory.

### Action

Provide a valid directory name.



---

**CMMNW5294E Unsupported metadata server operation.****Explanation**

The metadata server does not support this operation usually because it might be running an older version of SAN File System.

**Action**

Update your SAN File System.

---

**CMMNW5295E Invalid directory.****Explanation**

The directory specified is invalid.

**Action**

Edit the directory and attempt again.

---

**CMMNW5296E Metadata server change transaction failed.****Explanation**

The metadata server assignment for the fileset could not be changed because of other concurrent administrative activity.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and resolve any errors that might be related to this problem.
  2. View the cluster log and resolve any errors that might be related to this problem.
  3. Wait a few minutes and perform the operation again.
  4. Contact your support representative.
- 

**CMMNW5297E The operation to automatically assign fileset *fileset* to a metadata server failed as it conflicts with the current state or other activity in the cluster.****Explanation**

The administrative server is currently executing administrative processes and will not allow you to perform this operation at this time. Another possible reason is that the cluster is in a partly quiescent or fully quiescent state.

**Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System

console, you can view the Processes panel from the Monitor System task. Also make sure that the cluster is in either online or offline state.

---

**CMMNW5298E Cluster or metadata server is not in a valid state.**

**Tip: The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.**

**Explanation**

The current metadata server must be either offline or not running. The target metadata server must be in one of the following states: online, offline, or not running.

**Action**

Make changes to the metadata server state and retry the command.

---

**CMMNW5299E Rogue Client.****Explanation**

There was a communication failure with the specified client when the client was performing an I/O operation. It is not possible to determine if the I/O will succeed.

**Action**

Check if there are any hung SAN File System client processes on the client machine. If there are hung processes, the SAN File System client machine needs to be rebooted. Reissue the command after the client machine has rebooted.

---

**CMMNW5300E Invalid LUN ID Format.****Explanation**

The LUN ID provided is formatted incorrectly.

**Action**

Check that the format for the LUN ID is correct and resubmit.

---

**CMMNW5301E Specify a SAN File System client to perform the operation.****Explanation**

The SAN File System metadata server needs a SAN File System client that can access the underlying device to successfully execute the operation.

**Action**

Retry the command with a SAN File System client specified.

---

**CMMNW5302E Access denied for device *VALUE\_1*.****Explanation**

The SAN File System could not access the specified LUN.

**Action**

Perform these actions in this order to resolve the problem:

1. Verify that the LUN exists and is accessible.
2. If the LUN is accessible, verify that the permissions on the device are set correctly.
3. Verify that the LUN was entered correctly.
4. If the problem continues, contact your support representative.

---

**CMMNW5303E SAN File System label already exists on the LUN *VALUE\_1* and it is also already defined as another volume.****Explanation**

The SAN File System has detected a label that recognizes the LUN (as represented by the device name) as being part of the current SAN File System installation.

**Action**

Perform these actions in this order to resolve the problem:

1. List all available LUNs. From the administrative command-line interface, run the `lslun` command. From the SAN File System Console, click Available LUNs from the Storage Pools General Settings panel.
2. Make sure that you are adding an available LUN as a volume.

---

**CMMNW5304E SAN File System label already exists on the LUN *lun*. Select Forced Addition to overwrite the SAN File System label on *lun*.****Explanation**

The SAN File System has detected a label that recognizes the LUN. It might be part of another SAN File System.

**Action**

Make sure that the LUN is not part of any SAN File System. Then, attempt to create the volume again, using the force option to have the SAN File System ignore the existing label.

---

**CMMNW5305E Volume name *volume\_name* is not valid. It contains unsupported characters.**

**Explanation**

You are attempting to create a volume, but the name you specified contains characters that are not supported.

**Action**

Attempt to create the volume again using a valid name. Use the following guidelines to ensure that you are using a valid name:

- Names cannot be longer than 256 characters.
- Names must contain at least one alphanumeric character and they must start with an alphanumeric character.
- Names cannot begin with a dash (-) and cannot consist of only a single dash.
- Names cannot contain blank spaces.

---

**CMMNW5306E Parameters for volume *object\_name* are not valid.**

**Explanation**

One of the parameters you specified is not valid.

**Action**

Make sure that all of the parameters you specify are valid.

---

**CMMNW5307E Input/output for LUN *device* failed.**

**Explanation**

There was an I/O failure on the specified LUN while trying to create a volume.

**Action**

View the appropriate log files (the cluster log and the administrative log if the specified LUN was to be made a Meta Data Volume, or the system log if the specified LUN was to be made a User Volume) and correct any problems that might be related to the I/O failures. If the problem persists, contact your support representative.

---

**CMMNW5308E Volume name *volume* already exists.**

**Explanation**

An attempt was made to create a volume with a name that already exists as a volume.

**Action**

Create the new volume with a different name or remove the old volume prior to creating the new one.

---

**CMMNW5309E The LUN is not valid. The LUN *lun* does not exist.****Explanation**

You are attempting to create a volume, but the LUN you specified does not exist.

**Action**

Make sure that you specify a valid LUN when creating a volume.

---

**CMMNW5310E Storage pool *pool* does not exist.****Explanation**

You specified a storage pool to which the volume will be added, but the storage pool does not exist.

**Action**

Specify an existing storage pool to which you will add the volume.

---

**CMMNW5311E Disk not viable.****Explanation**

The LUN is not viable as a volume. The properties of the LUN will make the addition of the volume to a storage pool inviable. Potential reasons include:

- The LUN does not hold at least one partition.
- The local operating system device name is not viable as a global disk.
- The sector size is less than 512 or greater than 4096.
- If it is being added to the system pool, the sector size is not the same as the other volumes in the system pool.

**Action**

Make sure that the LUN is configured correctly and attempt to create the volume again. Alternatively, you can select another LUN.

---

**CMMNW5312E Access denied for *object\_name*.****Explanation**

An attempt to delete a volume lacked the required permissions to access the volume.

**Action**

Attempt to remove the volume as a user who has permission to that volume.

---

**CMMNW5313E Access failed for *object\_name*.****Explanation**

Removing the volume failed due to invalid permissions, or being unable to find a device.

## Action

Verify the access permissions are correct and reissue the command.

---

### **CMMNW5314E Volume name *VALUE\_0* is in use.**

#### **Explanation**

You are attempting to remove a volume, but the volume is not empty. It has files allocated to it.

#### **Action**

Perform one of the following actions to remove the volume

- Wait until the volume no longer has files allocated to it before attempting to delete it. You can run the `reportvolfiles` command from the administrative command-line.
  - Attempt to force the removal of the volume. Note that if you force the removal of the volume all files that exist on the volume will be completely deleted. This includes any partial file data that exists on other volumes.
- 

### **CMMNW5315E Input/output failed when removing the volume *VALUE\_0*.**

#### **Explanation**

There was an I/O failure on the specified LUN while trying to remove a volume.

#### **Action**

View the appropriate logs files (the cluster log and the administrative log if the specified LUN was to be made a Meta Data Volume, or the system log if the specified LUN was to be made a User Volume) and correct any problems that might be related to the I/O failures. If the problem persists, contact your support representative.

---

### **CMMNW5316E Volume name *VALUE\_0* does not exist.**

#### **Explanation**

You cannot delete this volume because it does not exist.

#### **Action**

Make sure that the volume exists before you attempt to delete it.

---

### **CMMNW5317E There is not enough space on other volumes to move the volume contents.**

#### **Explanation**

When you remove a volume and you do not force the removal, the SAN File System redistributes the contents of the volume to other volumes in the storage pool. You cannot delete the volume because there is not enough space to move the volume contents, and you did not select a forced removal.

### **Action**

Perform one of the following actions to delete this volume

- Make sure that there is enough space on other volumes in the storage pool to move the contents of this volume.
- Attempt to force the removal of the volume. Note that if you force the removal of the volume, all data associated with that volume will be deleted. This includes corresponding partial files on another volume.

---

**CMMNW5318E There are files in this volume from a fileset assigned to a metadata server that is offline.**

### **Explanation**

You are attempting to delete a volume. However, there are files in this volume from a fileset that is assigned to an offline metadata server. The deletion cannot be completed.

### **Action**

Attempt to change the state of the metadata server to online. Alternatively, you can assign the fileset to another metadata server.

---

**CMMNW5319E A SAN File System client cannot be specified when removing a volume from the system storage pool.**

### **Explanation**

You cannot specify a SAN File System client when removing a volume from the SYSTEM storage pool.

### **Action**

Reissue the command without the client name.

---

**CMMNW5320E Error sending message to metadata server. Tip: Make sure that the metadata server is installed and is running.**

### **Explanation**

The master metadata server was not able to communicate with the subordinate metadata server at the given IP address.

### **Action**

Make sure the subordinate metadata server has been installed and is in the Not Added state. Also verify that you have selected the correct IP address and that your network is working correctly. If the problem continues, contact your service representative.

---

**CMMNW5321E Storage pool creation failed due to administrative resource contention. Tip: Wait a few minutes and try again.**

**Explanation**

The administrative server is executing administrative processes and will not allow you to create a storage pool at this time.

**Action**

Wait a few minutes and then attempt to perform this operation again.

You can also check the list of processes being performed. From the administrative command-line interface, run the `lsproc` command. From the SAN File System console, you can view the Processes panel from the Monitor System task.

---

**CMMNW5322E Volume selected no longer valid.**

**Explanation**

The volume selected no longer exists.

**Action**

Refresh the volumes list before attempting the command again.

---

**CMMNW5323E An error was returned by the remote CIM agent. Tip: Refer to admin log for more details.**

**Explanation**

The master CIM agent was not able to communicate with the subordinate CIM agent. This might be because the subordinate CIM agent is no longer operational, or it can no longer be reached from the master CIM agent.

**Action**

Make sure that the subordinate CIM agent has been installed and is currently operational. Also verify that the subordinate host can be reached from the master host. If the problem continues, contact your service representative.

---

**CMMNW5324E Command failed as filesets are in grace period.**

**Explanation**

SAN File System is in a grace period to allow existing clients to reassert their locks. The grace period is in effect immediately following a cluster or server restart. Administrative operations are not allowed during this grace period. The requested administrative command failed because it directly or indirectly involved operations on filesets. The length of the grace period depends on the lease interval and the grace period multiplier configuration parameters. The default value for the grace period is 40 seconds.



**Action**

Retry the command after the grace period, generally after 40 seconds.

---

**CMMNW5325E Pool not found.****Explanation**

The target storage pool was not found.

**Action**

Check that the storage pool is available and attempt the process again.

---

**CMMNW5326E Fileset not served.****Explanation**

The target fileset is not currently being served.

**Action**

NA

---

**CMMNW5327E No directory service.****Explanation**

No directory service could be located.

**Action**

Identify why your system is not able to communicate with the directory services of your server and fix accordingly.

---

**CMMNW5328E User not found in the directory service.****Explanation**

User not found in the directory service.

**Action**

NA

---

**CMMNW5329E User not found in the map entry.****Explanation**

User not found in the map entry.

**Action**

NA

---

---

**CMMNW5330E The user map is full.****Explanation**

The user map is full.

**Action**

Remove an existing usermap prior to attempting the creation again.

---

**CMMNW5331E Domain not found.****Explanation**

The domain could not be found.

**Action**

NA

---

**CMMNW5332E Domain already exists.****Explanation**

The domain already exists.

**Action**

Attempt the operation with a different domain name.

---

**CMMNW5333E Domain map full.****Explanation**

The domain map is full.

**Action**

You must delete an existing domain map before creating a new one.

---

**CMMNW5334E Invalid domain type.****Explanation**

The provided domain type is invalid.

**Action**

Ensure that the domain type supplied is valid. If not, attempt the process with a known type.

---

**CMMNW5335E Invalidation failed.****Explanation**

The master failed to invalidate all subordinate caches.

**Action**

Check the status of your subordinate nodes. Ensure that they are all available and attempt to refresh the user mappings after they are available.

---

**CMMNW5336E User map already exists.****Explanation**

A user map with these values is already defined in the system.

**Action**

No action required.

---

**CMMNW5337E User Map Full, no more usermaps can be created.****Explanation**

There is a limit to the number of user maps that may be created.

**Action**

Delete any unused usermap and attempt to create again.

---

**CMMNW5338E One of the domains is not valid.****Explanation**

One of the domains is no longer valid.

**Action**

Verify and/or correct the defined domains.

---

**CMMNW5339E The user specified in either one or both of the values cannot be found.****Explanation**

A user name specified in either or both the source user&domain or target user&domain could not be found.

**Action**

Check that the values specified for the user portions of the entries are valid and attempt this command again with the corrected values.

---

**CMMNW5340E One of the users specified is an invalid Name.****Explanation**

The server could not validate one of the user names provided.

**Action**

Check the user name values, make corrections, and try again.

---

**CMMNW5341E One of the users specified is already mapped.****Explanation**

One of the users specified is already mapped. Because only one mapping can be created per user, this second attempt fails.

**Action**

Check the user name values, make corrections, and try again.

---

**CMMNW5342E The master metadata server cannot be removed from the cluster.****Explanation**

You are attempting to drop the master metadata server from the cluster. Only subordinate metadata servers can be dropped.

**Action**

To drop the master metadata server from the cluster you must first make another metadata server the master, and then reissue the command.

---

**CMMNW5343E A dependency prohibits the specified action.****Explanation**

A dependency exists that will be violated if the specified action were to be completed.

**Action**

Perform these actions in this order to resolve the problem:

1. View the administrative log and correct any problems that might be related to the failure of the command.
2. View the cluster log and correct any errors that might be related to the failure of the command.
3. Run the command again.
4. Contact your support representative.

---

**CMMNW5344E The domain is referenced by a user mapping.**

**Explanation**

A domain cannot be deleted when it is referenced by a user mapping.

**Action**

Make sure there are no user mappings that reference this domain, and then reissue this command.

---

**CMMUI8000E Unexpected error. Run the task again. If the problem continues, contact your service representative.**

**Explanation**

The system encountered an unexpected error.

**Action**

Attempt to run the task again. If you receive the same error, contact your service representative.

---

**CMMUI8100E Field *field\_name* cannot be empty.**

**Explanation**

The field *field\_name* cannot be an empty field.

**Action**

Enter an appropriate value in the field *field\_name*.

---

**CMMUI8101E Field *field\_name* must be numeric.**

**Explanation**

The value in field *field\_name* must be numeric.

**Action**

Enter a number in the field *field\_name*.

---

**CMMUI8102E Field *field\_name* must be between *minimum\_value* and *maximum\_value*.**

**Explanation**

The field *field\_name* must contain a number between *minumum\_value* and *maximum\_value*.

**Action**

Enter a valid number in the field.

---

**CMMUI8103E** Field *field\_name* must be less than *maximum\_value*.

**Explanation**

You must enter a number less than *maximum\_value* in the field *field\_name*.

**Action**

Enter a number less than *maximum\_value* in the field *field\_name*.

---

**CMMUI8104E** Field *field\_name* must be greater than or equal to *minimum\_value*.

**Explanation**

You must enter a number greater than or equal to *minimum\_value*.

**Action**

Enter a number greater than or equal to *minimum\_value* in the field *field\_name*.

---

**CMMUI8105E** Field *field\_name* must contain exactly *field\_length* characters.

**Explanation**

You must enter a value that is exactly *field\_length* characters.

**Action**

Enter a value that is exactly *field\_length* characters long in the field *field\_name*.

---

**CMMUI8106E** Field *field\_name* must be fewer than *maximum\_length* characters.

**Explanation**

You must enter a value that contains fewer than *maximum\_length* characters.

**Action**

Enter a value that is less than *maximum\_length* characters long in the field *field\_name*.

---

**CMMUI8107E** Field *field\_name* must contain at least *minimum\_length* characters.

**Explanation**

You must enter a value that contains at least *minimum\_length* characters.

### **Action**

Enter a value that is at least `minimum_length` characters long in the field `field_name`.

---

## **CMMUI8108E Field *field\_name* must contain between *minimum\_length* and *maximum\_length* characters.**

### **Explanation**

You must enter a value that is at least `minimum_length` characters, but not longer than `maximum_length` characters.

### **Action**

Enter a value that is between `minimum_length` and `maximum_length` characters long in the field `field_name`.

---

## **CMMUI8109E Field *field\_name* must be an integer.**

### **Explanation**

You must enter a whole number in the field `field_name`.

### **Action**

Enter an integer in the field `field_name`.

---

## **CMMUI8200E You must enter a user name.**

### **Explanation**

You attempted to sign on, but you did not enter a user name. Both a user name and password are required.

### **Action**

Enter a valid user name and password. Then click OK to sign on.

---

## **CMMUI8201E You must enter a password.**

### **Explanation**

You attempted to sign on, but you did not enter a password. Both a user name and password are required.

### **Action**

Enter a valid user name and password. Then click OK to sign on.

---

**CMMUI8202E You must enter a user name and a password.****Explanation**

You attempted to sign on, but you did not enter a user name and password. Both a user name and password are required.

**Action**

Enter a valid user name and password. Then click OK to sign on.

---

**CMMUI8203E The administrative server could not authenticate the user name.****Explanation**

You attempted to sign on, but the administrative server could not verify your user name.

**Action**

Perform the following actions to resolve the problem:

1. Make sure that you are using a valid user name and password.
  2. Attempt to sign on again.
  3. If you still cannot sign on, contact your service representative.
- 

**CMMUI8204E The user name you entered does not exist.****Explanation**

You attempted to sign on using an unknown user name.

**Action**

Make sure that you are using a valid user name and password, and attempt to sign on again.

---

**CMMUI8205E The password you entered is not valid.****Explanation**

You attempted to sign on using a password that is not valid.

**Action**

Make sure that you are using a valid user name and password, and attempt to sign on again.



---

**CMMUI8300E An unexpected error occurred when accessing the CIM agent.****Explanation**

A Common Information Model (CIM) agent resides on the same engine as the administrative server. The CIM agent controls the authentication of users with the Lightweight Directory Access Protocol (LDAP) server and access to the metadata server.

The administrative server must be able to connect to the CIM agent. However, an unexpected error occurred when the administrative server attempted to access the CIM agent.

**Action**

Perform the following actions to resolve the problem:

1. Wait a few minutes and attempt to sign on again.
2. If you still cannot sign on, contact your service representative.

---

**CMMUI8301E The user name or password is not valid. The CIM agent could not authenticate the user name.****Explanation**

You attempted to sign on, but the user name or password is not valid. The CIM agent is not able to verify this user name and password with the Lightweight Directory Access Protocol (LDAP) server.

**Action**

Make sure that you are using a valid user name and password, and attempt to sign on again.

---

**CMMUI8302E The administrative server could not connect to the CIM agent. It might be down.****Explanation**

A Common Information Model (CIM) agent resides on the same engine as the administrative server. The CIM agent controls the authentication of users with the Lightweight Directory Access Protocol (LDAP) server and access to the metadata server.

The administrative server must be able to connect to the CIM agent. However, an error occurred when the administrative server attempted to access the CIM agent.

**Action**

The engine operating system will attempt to restart the CIM agent automatically. Therefore, perform the following actions to resolve the problem:

1. Wait a few minutes for the operating system to attempt to restart the CIM agent.

2. Attempt to sign on again.
3. If you still cannot sign on, contact your service representative.

---

**CMMUI8303E The administrative server is unable to access the truststore file.****Explanation**

The administrative server uses the certificates in the truststore file to create a secure connection with the CIM agent, which is responsible for authenticating your user name and password with the Lightweight Directory Access Protocol (LDAP) server. The administrative server cannot access the truststore file, and so no authentication can occur.

**Action**

Perform the following actions to resolve the problem:

1. Verify that the truststore file exists.
2. Verify that the administrative server can access the truststore file.
3. Verify that the truststore file was created correctly.
4. If the administrative server still cannot access the truststore file, contact your service representative.

---

**CMMUI8304E The administrative server is unable to find a valid certificate in the truststore file.****Explanation**

The administrative server uses the certificates in the truststore file to create a secure connection with the CIM agent, which is responsible for authenticating your user name and password with the Lightweight Directory Access Protocol (LDAP) server. The administrative server cannot find a valid certificate for the CIM agent in the truststore file, and so no authentication can occur.

**Action**

Perform the following actions to resolve the problem:

1. Verify that the truststore file was created correctly.
2. If the administrative server still cannot find a valid certificate in the truststore file, contact your service representative.

---

**CMMUI8305E The user role for this user name is undefined.****Explanation**

User roles determine the level of access that a user name has to SAN File System. User names are assigned to roles on the Lightweight Directory Access Protocol (LDAP) server. The user role for your user name either does not exist or is not one of the roles supported by SAN File System.

SAN File System supports the following user roles: Monitor, Backup, Operator, and Administrator.

### Action

Perform the following actions to resolve the problem:

1. Verify that a valid user role has been defined for your user name.
2. Attempt to sign on again.
3. If the problem continues, contact your service representative.

---

## HSTAC0001I Password file written to *file\_location*.

### Explanation

The password file was successfully created in the directory for which the command was executed.

### Action

No action is required. File was created successfully. If you store the file in a location other than its default location, set the environment variable SFS\_CLI\_PASSWDFILE to the location of the file.

---

## HSTAC0002E The password file was not created.

### Explanation

The password file was not created.

### Action

There is a problem with the system. Additional errors might have been written to the standard error log.

---

## HSTAC0003I Usage: *command\_usage*

### Explanation

There was an error in the command usage for the application.

### Action

The command only supports the specified usage. Verify the syntax of the executed command.

---

## HSTAP0001E An unexpected error was returned from the call `getAuthRole()`.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0002E The CIM agent will support only basic authentication. Check the CIM agent configuration.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0003E Could not connect to the LDAP server. Check the CIM agent configuration. LDAP error is *LDAP\_error*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0004E Could not search the LDAP server. Check the CIM agent configuration.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0005E The connection to the LDAP server was broken.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0006E Could not load CIM agent configuration (cimom.properties). Using default values.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0007E Could not load provider configuration (tank.properties). Using default values.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0008E Could not stop metadata server *server\_name*. The error message is *error\_text*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0009E The log record does not contain a valid timestamp.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0010E The log record is not valid. It does not contain all required fields.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0011E** Could not start cluster *cluster\_name*. The error message is *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0012E** Could not stop cluster *cluster\_name*. The error message is *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0013E** Could not quiesce cluster *cluster\_name*. The error message is *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0014E** Could not resume cluster *cluster\_name*. The error message is *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0015E Could not add metadata server to cluster *cluster\_name*.  
The error message is *error\_text*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0016E Could not drop metadata server from cluster  
*cluster\_name*. The error message is *error\_text*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0017E Could not find property *property* in the CIMOM  
configuration. Check the tank.properties file.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0018E Provider failed with XNP return code *XNP\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0019E Unknown XNP type *XNP\_type*.**

**Explanation**

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0020E Could not process request because there are no administrative server threads available.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0021E Could not list available LUNs. Device map file *file\_name* was not found.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0022E Could not list available LUNs. Device map file *file\_name* is not valid.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0023E Could not list available LUNs. I/O error while reading device map file *file\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTAP0024E Could not list available LUNs. Incompatible information in device map file *file\_name*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0025E Could not process the request because of an error in the native library.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0026E Could not set subordinate metadata server *server\_name* as the master metadata server. *error*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0027E Cannot save the current state of the automatic restart service.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0028E Could not retrieve information regarding remote CIM agents.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0029E Could not communicate with remote CIM agent on metadata server *server\_name*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0030E Cannot change the state of this CIM agent to be the master. The remote CIM agent on metadata server *server\_name* still believes it is the master.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0031E Cannot change the state this CIM agent to be the master. This CIM agent still believes it is a subordinate CIM agent.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0032E Cannot disable the automatic restart service on metadata server *server\_name*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0033E Cannot enable the automatic restart service.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0034E The RSA adapter is not available. Verify that the RSA adapter is configured correctly.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0035S Could not retrieve group membership and cluster information. Corrupted output: *corrupted\_output*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0036S Could not retrieve group membership information. Encountered an error executing the `lscluster` command: *error*.**

**Explanation**

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0037E Assert. Executing *CIM\_class\_name.CIM\_method\_name* The key *key\_name* specified in the CIMObject path *CIMObjectPath* has a value of *key\_value*. The expected value was *expected\_key\_value*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0038W Encountered a *error* error while attempting to Suspend the automatic restart service in response to a *method\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0039E An Invalid XNP Error Code was found embedded in the Exception message string: *error string*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0040E Unable to retrieve the embedded XNP error string from the CIMException of type *exception name* with the exception message: *localized message*.**

### Explanation

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0041E Error is *cmd\_error*.**

### **Explanation**

The scripts that generate the MDRAid files terminated with an error code.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0042E An STP protocol error was detected. The return code from STP is *return\_code*.**

### **Explanation**

The scripts that generate the MDRAid files terminated with an error code.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0043E The Watchdog Persistent store contains invalid or out of range values: Watchdog State = *state*, Current Retries = *retries*. Changing the Watchdog to the *new state state*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTAP0044E The *clusterName* in the *tank.properties* file is wrong. Using the *clusterName* from the metadata server.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0045E Legacy overflow redirected to file *file\_name*.****Explanation**

The result of a legacy command was redirected to a file because it exceeded the legacy overflow size.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0046W Role *role* contains invalid dn *dn*.****Explanation**

No additional information is available for this message.

**Action**

Verify the LDAP configuration.

---

**HSTAP0047W Role base dn *dn* contains no roles.****Explanation**

No additional information is available for this message.

**Action**

Verify the LDAP configuration.

---

**HSTAP0048E The SAN File System metadata server has been restarted too many times (4) within one hour. Disabling autorestart.****Explanation**

SAN File System autorestart has a limit on the number of times a SAN File System metadata server will restart automatically within one hour. Autorestart has found the metadata server not operating more than the maximum four times within the past hour. Autorestart is automatically disabled, and the metadata server will not restart unless autorestart is enabled.

**Action**

Determine the reason that the SAN File System metadata server is not remaining operational. When the problem is corrected, you can enable autorestart.

---

**HSTAP0049E Unexpected Exception in autorestart.****Explanation**

An unforeseen error has occurred in autorestart.

### Action

Contact your service representative.

---

**HSTAP0050E The SDD `cfgvpath` query command did not complete its execution before the maximum allowed time out.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0051E Encountered a Security violation while executing the SDD `cfgvpath` command.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0052E Encountered an IO error while executing the SDD `cfgvpath` query command.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0053E Could not find the value for the `attr_name` attribute between the indices `start_index` and `end_index` from the output of the SDD `cfgvpath` query command : `record`.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0054E The value for the key *key\_name* is not a number.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0055E Encountered an exception while parsing the output of the SDD *cfgvpath* query : *exception\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0056E Could not find or open the file *file\_name*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0057E The file *file\_name* contains corrupted data. Encountered the exception *exception\_name* while parsing it.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0058E Could not start metadata server *server\_name* due to *reason* The metadata server process exited with value *status\_code*.**

**Explanation**

No additional information is available for this message.



### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0059E Could not start metadata server *server\_name* due to incorrect permissions or missing command. Attempted to execute *start\_command*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0060E No roles found for role base dn *role\_dn*.**

### Explanation

The LDAP server did not have any role definitions in the role DN *role\_dn*.

### Action

Verify the LDAP configuration and create role entries as needed.

---

**HSTAP0061W Role name *roleName* is not valid.**

### Explanation

Role names must be one of the following: Administrator, Operator, Backup, or Monitor. Members of this entry are ignored.

### Action

Verify the LDAP configuration.

---

**HSTAP0062E Could not load CIMOM configuration (*cimom.properties*). Using default values.**

### Explanation

The *cimom.properties* file could not be loaded because of permissions problems or because it did not exist.

### Action

Verify that the *cimom.properties* file exists with the correct permissions.

---

**HSTAP0063E Could not locate the truststore file.****Explanation**

The truststore could not be loaded because of invalid permissions or because it did not exist.

**Action**

Verify that the truststore file exists with the correct permissions.

---

**HSTAP0064W SAN File System metadata server *server\_name* stopped and exited after starting.****Explanation**

CIMOM started the SAN File System metadata server, but detected that the server exited. CIMOM will try to start the metadata server again four times within one hour. If the metadata server cannot be started within the limited number of retries, the autorestart facility will be disabled.

**Action**

Determine the reason that the SAN File System metadata server is not remaining operational. Once the problem is corrected, you can enable autorestart.

---

**HSTAP0065E Could not connect to CIM server at address *ip* and port *port*. This message will be displayed only if there is a failure to connect after *hours* hours or when the remote cimom fails again after a restart, whichever is earlier.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0066E Could not find configuration file *fileName*. Using default values.****Explanation**

The properties file could not be loaded because of invalid permissions or because it did not exist.

**Action**

Verify that the cimom.properties file exists with the correct permissions.

---

**HSTAP0067E** Property *name* of file *file* with value *value* is not an integer.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0068E** Property *name* of file *file* with value *value* is not a boolean.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0069E** Property *name* of file *file* is not defined.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0070E** Property *name* in file *file* with value *value* is greater than max value *max*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0071E** Property *name* in file *file* with value *value* is less than min value *min*.

**Explanation**

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0072W** The *property\_name* property has an incorrect value *value\_from\_property\_file* in the *tank.properties* file. Using the value *value\_from\_mds* obtained from the metadata server.

### Explanation

The values from the SAN File System server do not match the value obtained from the *tank.properties* file. The administrative server will use the value from the SAN File System metadata server and ignore the value from the *tank.properties* file.

### Action

Examine the *tank.properties* file and ensure that the value for the specified property matches the value with which the SAN File System metadata server has been configured.

---

**HSTAP0073W** Unable to validate configuration parameters.

### Explanation

The CIM Agent is unable to validate its copy of the configuration parameters with the metadata server. These parameters will be validated only when the CIM Agent is restarted.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0074W** The automatic restart service is being disabled because the last *number\_of\_attempts* attempts to restart the SAN File System metadata server have been unsuccessful.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0075E** Could not run one button data collection due to *reason*.

### Explanation

One button data collection failed in an abnormal manner.

### Action

Reasons for this error could be that the ODBC executable does not exist or has invalid permissions. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0076E Could not start subordinate metadata server *server\_name* due to *reason*.**

### Explanation

There was an error when communicating to the subordinate node to start the subordinate metadata server. This situation might be caused by an offline CIM agent or failed node.

### Action

Examine the list of metadata servers in the cluster using `lsserver` and verify that it matches the expected cluster configuration. Reissue the `stopserver` command as necessary. Consult the "Maintenance and Problem Determination Guide" for more help.

---

**HSTAP0077E Could not list administrative users due to internal error: *reason*.**

### Explanation

There was an error detected when obtaining user information from the LDAP server. This error might be caused by an LDAP failure or bad configuration.

### Action

Verify the status of the LDAP server and LDAP certificate in the truststore. Repeat the CLI command or GUI operation to list the administrative users. If the problem persists, consult the "Maintenance and Problem Determination Guide" for more help.

---

**HSTAP0078E Could not find the Client LUN cache file *cache\_file\_name*.**

### Explanation

The cache file could not be found. Because cache files are cleared after some time, it might have been removed.

### Action

Reissue the command. If the problem persists, consult the "Maintenance and Problem Determination Guide" for more help.

---

**HSTAP0079E** An Error occurred while reading the Client LUN cache file: *cache\_file\_name*.

**Explanation**

There was an error reading the cache file.

**Action**

Reissue the command. If the problem persists, consult the "Maintenance and Problem Determination Guide" for more help.

---

**HSTAP0080E** The Client LUN cache file *cache\_file\_name* contains corrupted entries. Encountered the following exception while trying to read the contents: *exception\_name*.

**Explanation**

The cache file contains corrupted entries.

**Action**

Reissue the command. If the problem persists, consult the "Maintenance and Problem Determination Guide" for more help.

---

**HSTAP0081E** Encountered *exception*

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0082E** Encountered an interrupted exception in update cluster info cache.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0083E Error returned by remote CIM agent on server *server\_name*. CIM Error *cim\_err*.**

**Explanation**

The CIM agent on the local (master) server uses the remote CIM agent to execute the requested operation. This error indicates that the remote CIM agent is reporting an error when a report of success was expected.

**Action**

Check the CIM agent log on the local server for additional information on why the remote CIM request failed. Also, check the CIM agent on the remote server for additional information. Correct any problems discovered and retry the operation.

---

**HSTAP0084I Successfully retrieved the configuration information from the metadata server.**

**Explanation**

The CIM agent successfully retrieved the configuration information from the metadata server that it is managing.

**Action**

No action is required.

---

**HSTAP0085E The CIM agent encountered a communication error with the metadata server while processing a request.**

**Explanation**

There was an unexpected error when the CIM agent was communicating with the metadata server. Communication errors could be a result of transient conditions.

**Action**

Reissue the command. If repeated attempts result in the same problem, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0086E The CIM agent cannot process the request because a required library *lib\_name* could not be located.**

**Explanation**

The CIM agent could not locate a library that is required to process this request.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0087E The CIM agent received a malformed response from the metadata server while executing a request.**

**Explanation**

The metadata server replied to a request with a malformed reply. This situation is usually caused by unexpected, non-standard characters in the reply.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0088E The SAN File System Local Authorization module encountered an internal error *error\_msg* while executing the method *method\_name*.**

**Explanation**

The SAN File System Local Authorization and Authentication Module encountered an error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0089E The SAN File System Local Authorization module could not retrieve the stored credentials while executing the method *method\_name*.**

**Explanation**

The SFS Local Authorization and Authentication module could not retrieve the necessary password information to validate a authentication request.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0090E The SAN File System Local Authorization module could not retrieve the role information while executing the method *method\_name*.**

**Explanation**

The SFS Local Authorization and Authentication module encountered an error while retrieving the group membership information.



### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAP0091E The remote CIM agent on server *server\_name* is either unable to authenticate a valid user or the authorization level assigned to the user on the remote CIM agent does not match the one on the local CIM agent.**

### Explanation

The remote CIM agent either cannot authenticate a user who has been authenticated on the local CIM agent, or the authorization level assigned for the user on the remote CIM agent does not match the authorization level on the local CIM agent.

### Action

Ensure that the user has the same authentication and authorization privileges on all CIM agents that are part of the current cluster.

---

**HSTAP0092I The Metadata Server has been automatically restarted.**

### Explanation

The Watchdog has determined that the Metadata Server was no longer running and has automatically restarted it.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAS0001E Error: The call to `get_param()` did not contain a parameter name.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTAS0002E Required Parameter, *parameter\_name*, is not set in *parameter\_file\_name*.**

### Explanation

You must set the parameter *parameter\_name* in the file *parameter\_file\_name*.

**Action**

Set the parameter `parameter_name` and continue the setup.

---

**HSTAS0003E Error: cimom.properties file not found; stopping...****Explanation**

SAN File System cannot find `cimom.properties`, so setup of the metadata server cannot continue.

**Action**

Make sure that `cimom.properties` exists, and that it is located in the the directory `/usr/tank/admin/config`. Attempt to set up the metadata server again.

---

**HSTAS0004E Error: tank.properties file not found; stopping...****Explanation**

SAN File System cannot find `tank.properties`, so setup of the metadata server cannot continue.

**Action**

Make sure that `tank.properties` exists, and that it is located in the directory `/usr/tank/admin/config`. Attempt to set up the metadata server again.

---

**HSTAS0005I Creating truststore file.****Explanation**

SAN File System is in the process of creating the truststore file.

**Action**

No further action is required. When SAN File System finishes creating the truststore file, a message is generated indicating if the truststore was created successfully.

---

**HSTAS0006I The truststore was created successfully.****Explanation**

SAN File System successfully created the truststore file.

**Action**

No further action is required.

---

**HSTAS0007E Error: The truststore was not created successfully.****Explanation**

The administrative server uses the certificates in the truststore file to create a secure connection with the CIM agent, which is also responsible for authenticating your user name and password with the Lightweight Directory Access Protocol (LDAP) server.

SAN File System was unable to create the truststore file.

**Action**

Contact your service representative.

---

**HSTAS0008E Incorrect arguments. Use following format: mktruststore [ldap\_certificate].****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTIG0001E Halting the uninstallation because the existing administrative server cannot be upgraded to this version. No changes will be made. To override and force the upgrade, run: touch /usr/tank/admin/.IGNORE\_VERS****Explanation**

The installation script first verifies that the upgrade path is supported by comparing the INTERFACE value in /usr/tank/admin/VERSION with the version being installed. If the difference between these values is greater than 1, the new package cannot communicate with the metadata server. You can create the file /usr/tank/server/.IGNORE\_VERS to force the upgrade.

**Action**

Before upgrading to this level, an intermediate upgrade is required. Contact your service representative to determine the supported upgrade path.

---

**HSTIG0002E /usr/tank/admin/VERSION does not exist.****Explanation**

The installation script first verifies that the upgrade path is supported by comparing the INTERFACE value in /usr/tank/admin/VERSION with the version being installed.

### **Action**

Attempt to install the administrative server again.

---

## **HSTIG0003W Could not install the SAN File System console.**

### **Explanation**

`/usr/tank/admin/bin/installConsole` is executed to install the console. If this operation fails, the SAN File System console will not be available. However, you can still use the administrative CLI to administer the metadata server.

### **Action**

Review the log files in `/usr/tank/admin/log`. If you cannot resolve the problem using the log files, contact your service representative. If you can resolve the problem, run the `installConsole` command to install the SAN File System console.

---

## **HSTIG0004I WebSphere Application Server is not installed in /opt/was. Therefore, the SAN File System console cannot be installed. After installing WebSphere Application Server, run: /usr/tank/admin/bin/installConsole**

### **Explanation**

The SAN File System console requires that WebSphere Application Server is installed.

### **Action**

Install the WebSphere Application Server in the directory `/opt/was`.

---

## **HSTIG0005I Eclipse is not installed in /opt/eclipse. Therefore, the SAN File System console cannot be installed. After installing Eclipse, run: /usr/tank/admin/bin/installConsole**

### **Explanation**

The SAN File System console requires Eclipse to be installed.

### **Action**

Install Eclipse in the directory `/opt/eclipse`.

---

## **HSTIG0007E Halting the upgrade because /usr/tank/admin/bin/stopCimom failed.**

### **Explanation**

The administrative server cannot be upgraded while the administrative agent is active. The rpm attempts to stop the administrative agent by running `/usr/tank/admin/bin/stopCimom`. If this operation fails, the upgrade cannot

continue. After the package has been upgraded, the rpm restarts the administrative agent by running `/usr/tank/admin/bin/startCimom`. To override and force the upgrade, run:

```
touch /usr/tank/admin/.IGNORE_CIMOM_RUNNING
```

### Action

Review the log files in `/usr/tank/admin/log`. If you cannot resolve the problem using the log files, contact your service representative.

---

## HSTIG0008E Halting the upgrade because `/usr/tank/admin/bin/stopConsole` failed.

### Explanation

The administrative server cannot be upgraded while the console is active. The rpm attempts to stop the console by running `/usr/tank/admin/bin/stopConsole`. If this operation fails, the upgrade cannot continue. After the package has been upgraded, the rpm restarts the console by running `/usr/tank/admin/bin/startConsole`. To override and force the upgrade, run:

```
touch /usr/tank/admin/.IGNORE_CONSOLE_RUNNING
```

### Action

Review `/usr/tank/admin/console.log`. If you cannot resolve the problem using the log, contact your service representative.

---

## HSTIG0009W Could not restart the administrative agent.

### Explanation

During an upgrade, the administrative agent is stopped. After the package has been upgraded, the rpm restarts the administrative agent by running `/usr/tank/admin/bin/startCimom`.

### Action

Review the log files in `/usr/tank/admin/log`. If you cannot resolve the problem using the log files, contact your service representative.

---

## HSTIG0010W Could not restart the SAN File System console.

### Explanation

During an upgrade, the SAN File System console is stopped. After the package has been upgraded, the rpm restarts the SAN File System console by running `/usr/tank/admin/bin/startConsole`.

### Action

Review the log files in `/usr/tank/admin/log`. If you cannot resolve the problem using the log files, contact your service representative.

---

**HSTIG0011E Cannot remove sfs entry from inittab****Explanation**

Rpm attempts to remove the SAN File System entry from /etc/inittab during the uninstall process.

**Action**

If SAN File System has been removed from the system, verify that the entry no longer exists in /etc/inittab.

---

**HSTIG0012E /usr/tank/admin/bin/stopConsole failed.****Explanation**

The rpm attempts to stop the console by running:  
/usr/tank/admin/bin/stopConsole.

**Action**

Review /usr/tank/admin/console.log. If you cannot resolve the problem using the log, contact your service representative.

---

**HSTIG0013E /usr/tank/admin/bin/stopCimom failed.****Explanation**

The rpm attempts to stop the CIM Agent by running:  
/usr/tank/admin/bin/stopCimom.

**Action**

Review /usr/tank/admin/cimom.log. If you cannot resolve the problem using the log, contact your service representative.

---

**HSTIG0014E Cannot remove sfs entry from /etc/inittab.****Explanation**

The rpm attempts to remove the sfs entry from /etc/inittab during the uninstall process.

**Action**

If SAN File System has been removed from the system, verify that the sfs entry no longer exists in /etc/inittab.

---

**HSTIG0015E Cannot restore sfs entry to /etc/inittab.****Explanation**

The rpm attempts to restore the sfs entry to /etc/inittab during a downgrade.

### Action

If SAN File System has been downgraded to release 2.1, verify that the following entry exists in /etc/inittab: sfs:35:wait:/etc/rc.d/init.d/sanfs start Post 2.1 versions of the SAN File System administration rpm do not make an entry in /etc/inittab.

---

## HSTWU0001E Could not locate the Websphere-Express directory *express\_dir*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTWU0002E Could not locate the SAN File System Information Center under *eclipse\_dir*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTWU0003E View the log file *log\_file\_name*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTWU0004I Starting *stconsole*:

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0005E /usr/tank/admin/bin/startConsole does not exist.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0006I Shutting down stconsole:****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0007E /usr/tank/admin/bin/stopConsole does not exist.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0008I Usage: stconsole [start|stop|restart]****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0009E Could not locate the Websphere-Express server configuration file *server\_configuration\_file*.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTWU0010E Could not locate the Websphere-Express virtual host configuration file *virtual\_host\_configuration\_file*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0011I Installing the SAN File System console...**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0012E Could not install the SAN File System console.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0013E Could not install help for the SAN File System console.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0014I The SAN File System console has been installed successfully.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0015I Disabling SAN File System console tracing...****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0016E Could not disable SAN File System console tracing.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0017I Enabling SAN File System console tracing...****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0018E Could not enable the SAN File System console tracing.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0019I Starting the SAN File System console...****Explanation**

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0020I The SAN File System console is operational at `https://host_name:7979/sfs`.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0021E Could not start the SAN File System console.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0022E Could not locate the Websphere-Express security configuration file `security_configuration_file`.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0023I Stopping the SAN File System console...**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0024E Could not stop the SAN File System console.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTWU0025E Could not start the SAN File System console because the Web server on *host\_name* is already started.****Explanation**

The attempt to start the Web server failed because it was already running.

**Action**

No action is required. The Web server is already running.

---

## Chapter 2. AIX client messages

This section provides the messages that can be generated by AIX SAN File System clients.

---

### **HSTCL0001E No value exists for dir= in the -devices parameter value.**

#### **Explanation**

You have not specified a directory for the -devices=dir option.

#### **Action**

Specify a valid directory that contains the block devices to be used as SAN File System data volumes.

---

### **HSTCL0002E Directory *directory\_name* is not valid.**

#### **Explanation**

No additional information is available for this message.

#### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTCL0003E No value exists for pat= in the -devices parameter value.**

#### **Explanation**

You have not specified a pattern for the -devices=pat option.

#### **Action**

Specify a valid pattern that selects the block devices you want to use as SAN File System data volumes. For example, to use all scsi disks, specify -devices=pat=/dev/sd\*[a-z]

---

### **HSTCL0004E The value *parameter\_value* for -devices parameter is not recognized. It should be dir=dirname, pat=pattern, none, or default.**

#### **Explanation**

You have specified an invalid value for the -devices option.

## Action

The valid values for -devices option are -devices=dir=dirname, -devices=pat=pattern, -devices="none", and -devices="default", where 'dirname' is a directory containing the device special files and 'pattern' is a simple regular expression that selects the appropriate device special files. Examples:

```
-devices=dir=/dev/sfsdisks/  
-devices=pat=/dev/sd*[a-z]
```

---

**HSTCL0005E** The value *parameter\_value* for -devices parameter is not recognized. It should be -devices={dir=dir|pat=pattern|none|default}.

## Explanation

The value you specified for the -devices parameter is not a recognized value.

## Action

Specify a valid value for the -devices parameter. For example, you can specify -devices=dir=dirname, -devices=pat=pattern, -devices=none, or -devices=default.

---

**HSTCL0006W** You did not specify a client name parameter and the host name is unknown, so it cannot be used as a default. The call `gethostbyname()` returned: *error\_number* (*error\_text*). The client name will be `stfsclient`.

## Explanation

You have not specified a client name, and the host name is unknown.

## Action

Because you have not specified a client name and the host name is unknown, SAN File System will attempt to create a client with the default name of "stfsclient".

To override the default client name, explicitly specify a client name or set the host name of this system. Refer to `hostname(1)` manpage for details on setting the host name. If you set the host name of the system and want that host name to take effect or if you want to specify a client name, you must destroy and recreate the client.

---

**HSTCL0007E** You did not specify a client name parameter and the host name is unknown so it cannot be used as a default. The call `gethostbyname()` returned: *error\_number* (*error\_text*).

## Explanation

If no client name is specified, then it defaults to the host name. However, in this case the host name was also not set.

### Action

Either specify the client name, or use SMIT to set the host name, and rerun this command to pick up the default hostname.

---

## **HSTCL0008E You cannot specify both the -create parameter and the -destroy parameter in the same command.**

### Explanation

On a single stfsclient command, you can specify either the -create parameter or the -destroy parameter. However, you cannot specify both parameters on the same stfsclient command.

### Action

If you want to create one virtual client and destroy another virtual client, you will have to run the stfsclient command twice. Run it once with the -create parameter specified, and once with -destroy parameter specified.

---

## **HSTCL0009E You can specify -create, -destroy, or -query, but you can specify only one of these parameters.**

### Explanation

On a single stfsclient command, you must only specify one of these parameters: -create, -destroy, or -query.

### Action

Run the stfsclient command multiple times, each time specifying -create, -destroy, or -query. Do not attempt to specify more than one of these parameters on a single stfsclient command.

---

## **HSTCL0010E At a minimum, you must specify the SAN File System metadata server name as a parameter with the -create parameter.**

### Explanation

You attempted to create a virtual client using the stfsclient command, but you did not specify a virtual client name. You must specify a virtual client name for the -create parameter.

### Action

Make sure that you specify a virtual client name when you run the stfsclient command with the -create parameter.

---

**HSTCL0011E A -create parameter uses a maximum of two parameter values: client name and metadata server name. You specified *parameter\_values*.**

**Explanation**

When you specify the -create parameter, you can specify the client name of the virtual client you want to create and the name of the metadata server that will host the client. You specified too many parameter values for the -create parameter.

**Action**

Run the stfsclient command again, this time specifying only the client name and metadata server name for the -create parameter.

---

**HSTCL0012E The client name parameter cannot be longer than *valid\_name\_length* characters. You specified *name\_length* characters.**

**Explanation**

The client name you specified for the -create parameter is too long.

**Action**

Run the stfsclient command again, this time specifying a client name that is no longer than the valid name length.

---

**HSTCL0013E The -devices parameter value is not valid (*parameter\_value*).**

**Explanation**

The value you specified for the -devices parameter is not valid.

**Action**

Run the stfsclient command again, this time specifying a valid value for the -devices parameter. The syntax for the -devices parameter is -devices={dir=dir | pat=pattern | none | default}

For example, you can specify -devices=dir=dirname, -devices=pat=pattern, -devices=none, or -devices=default.

---

**HSTCL0014E The -nettype parameter must be TCP or UDP. You specified *parameter\_value*.**

**Explanation**

The value you specified for the -nettype parameter is not valid.

**Action**

Run the stfsclient command again, this time specifying either TCP or UDP for the -nettype parameter.



---

**HSTCL0015E** The **-stfserror** parameter must be **log**, **freezefs**, or **systemhalt**. You specified *parameter\_value*.

**Explanation**

The value you specified for the **-stfserror** parameter is not valid.

**Action**

Run the **stfsclient** command again, this time specifying **log**, **freezefs**, or **systemhalt** for the **-stfserror** parameter.

---

**HSTCL0016E** You cannot specify both the **-devices** parameter and the **-destroy** parameter on the same command.

**Explanation**

On a single **stfsclient** command, you cannot specify the **-devices** parameter if you specify the **-destroy** parameter.

**Action**

Run the **stfsclient** command with the **-destroy** parameter again. This time, omit the **-devices** parameter.

---

**HSTCL0017E** You cannot specify both the **-nettype** parameter and the **-destroy** command on the same command.

**Explanation**

On a single **stfsclient** command, you cannot specify the **-nettype** parameter if you specify the **-destroy** parameter.

**Action**

Run the **stfsclient** command with the **-destroy** parameter again. This time, omit the **-nettype** parameter.

---

**HSTCL0018E** You cannot specify the **-stfserror** parameter and the **-destroy** parameter on the same command.

**Explanation**

On a single **stfsclient** command, you cannot specify the **-stfserror** parameter if you specify the **-destroy** parameter.

**Action**

Run the **stfsclient** command with the **-destroy** parameter again. This time, omit the **-stfserror** parameter.

---

**HSTCL0019E You cannot specify the -maxpageops parameter and the -destroy parameter on the same command.**

**Explanation**

On a single stfsclient command, you cannot specify the -maxpageops parameter if you specify the -destroy parameter.

**Action**

Run the stfsclient command with the -destroy parameter again. This time, omit the -maxpageops parameter.

---

**HSTCL0020E There is only one value allowed with the -destroy parameter. You specified *parameter\_values*.**

**Explanation**

For the -destroy parameter, you can only specify one value, the name of an existing virtual client to be destroyed.

**Action**

Run the stfsclient command with the -destroy parameter again. This time, specify only the client name as a parameter value.

---

**HSTCL0021E You cannot specify the -devices parameter and the -query parameter on the same command.**

**Explanation**

On a single stfsclient command, you cannot specify the -devices parameter if you specify the -query parameter.

**Action**

Run the stfsclient command with the -query parameter again. This time, omit the -devices parameter.

---

**HSTCL0022E You cannot specify the -nettype parameter and the -query parameter on the same command.**

**Explanation**

On a single stfsclient command, you cannot specify the -nettype parameter if you specify the -query parameter.

**Action**

Run the stfsclient command with the -query parameter again. This time, omit the -nettype parameter.

---

**HSTCL0023E You cannot specify the -stfserror parameter and the -query parameter on the same command.**

**Explanation**

On a single stfsclient command, you cannot specify the -stfserror parameter if you specify the -query parameter.

**Action**

Run the stfsclient command with the -query parameter again. This time, omit the -stfserror parameter.

---

**HSTCL0024E You cannot specify the -maxpageops parameter and the -query parameter on the same command.**

**Explanation**

On a single stfsclient command, you cannot specify the -maxpageops parameter if you specify the -query parameter.

**Action**

Run the stfsclient command with the -query parameter again. This time, omit the -maxpageops parameter.

---

**HSTCL0025E There are no parameter values for the -query parameter. You specified *parameter\_values*.**

**Explanation**

You specified a value for the -query parameter. However, the -query parameter does not take a value.

**Action**

Run the stfsclient command with the -query parameter again. This time, do not specify a value for the -query parameter.

---

**HSTCL0026E You must specify either the -create parameter or the -destroy parameter, but not both on the same command.**

**Explanation**

On a single stfsclient command, you must specify either the -create parameter or the -destroy parameter. However, you cannot specify both parameters on the same stfsclient command.

**Action**

Specify either the -create parameter or the -destroy parameter on the stfsclient command.

---

**HSTCL0027E** Port number, the text displayed after the colon (:) in the metadata server specification, is not a simple number. It is *port\_value*.

**Explanation**

You have specified an invalid port number for the SAN File System metadata server.

**Action**

You must specify a numeric value for the port number, and this number must be same as the client port number specified while starting up the SAN File System metadata server.

---

**HSTCL0028E** Could not resolve host name *host\_name*.

**Explanation**

The SAN File System client program was unable to resolve the host name specified for the SAN File System metadata server.

**Action**

Specify the fully qualified host name (for example, host name and domain name) of the system on which the SAN File System metadata server is running. Also, ensure that your DNS settings are correct. Refer to host name and domainname man pages for more information.

---

**HSTCL0029E** Could not allocate memory to store IP addresses.

**Explanation**

There is not enough memory left to perform this operation.

**Action**

Run this command again when more memory is available. For example, run it when some processes finish.

---

**HSTCL0030E** The creation of client named *client\_name* for SAN File System metadata server at IP address *IP\_address*, port *port\_number* failed. The SAN File System driver response is *driver\_error\_text*.

**Explanation**

Creation of the client failed.

**Action**

Review the error message displayed by the file system driver and take appropriate action. If the problem persists contact your service representative for further assistance.

---

**HSTCL0031I** The client named *client\_name* was created with client identifier *client\_ID* for SAN File System metadata server at IP address *ID\_address*, port *port\_number*.

**Explanation**

The specified SAN File System was created successfully.

**Action**

You can proceed to mount the client on a mount point.

---

**HSTCL0032E** The client named *client\_name* was created with client identifier *client\_ID* for SAN File System metadata server at IP address *ID\_address*, port *port\_number*. However, the client could not contact the SAN File System metadata server.

**Explanation**

The specified client was created, but it could not contact the specified SAN File System metadata server.

**Action**

Check to make sure that the metadata server name/IP address and metadata server port number specified match the host name/IP address of the SAN File System metadata server. Also make sure that the port number specified here matches the client port number specified when the SAN File System metadata server was started. Ensure that the SAN File System metadata server is up and running.

This could also happen if there are any network problems such as:

- Intermittent network failures
  - Incorrect DNS entries
  - Failed Network interfaces
- 

**HSTCL0033E** Could not resolve metadata server specification *server\_specification (error\_text)*.

**Explanation**

The specified host name, IP address, or port number SAN File System metadata server could not be resolved.

**Action**

This could be either because the specified host name/IP address or port number of the metadata server are incorrect, or because the system is running low on memory.

Check to make sure that the specified host name/IP address of matches the host name/IP address of metadata server. Also check that the specified port number corresponds to the client port number specified while starting the metadata server.

If the system is running low on memory, wait until some memory becomes available or terminate some unnecessary applications.

---

**HSTCL0034E Could not open control file *file\_name*. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program was unable to open the control file used to communicate with the SAN File System driver.

**Action**

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by checking output of `/sbin/lsmmod`. If the driver is not loaded, use `/sbin/insmod` to load it and then run the `stfsclient` program.

If the SAN File System driver is indeed loaded, the system might be running low on memory. If so, wait until some memory becomes available or terminate any unnecessary applications. Then unload and re-load the SAN File System driver and create the `stfsclient`.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0035E An error occurred while converting the network address to presentation form. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program encountered an error while converting the network address.

**Action**

This could be either because the specified host name/IP address or port number of the metadata server are incorrect, or because the system is running low on memory.

Check to make sure that the specified host name/IP address of matches the host name/IP address of metadata server. Also check that the specified port number corresponds to the client port number specified while starting the metadata server.

If the system is running low on memory, wait until some additional memory is available, or terminate any unnecessary applications.

If the reported error number is `ENOSPC` or `EAFNOSUPPORT`, it indicates that the client program encountered an internal error. Contact your service representative for further assistance.

---

**HSTCL0036E An error occurred while writing a command to *file\_name*. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program was unable to open the control file used to communicate with the file system driver.

**Action**

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by checking output of `/sbin/lsmmod`. If the driver is not loaded, load the driver and then run the `stfsclient` program to create a client.

If the SAN File System driver is loaded, the system might be running low on memory. If so, wait for some memory to become available, and unload and re-load the file system driver module. If the problem persists, contact your service representative for further assistance.

---

**HSTCL0037E An error occurred while writing a command to *file\_name*. No error number was returned, but only *actual\_number\_of\_bytes* of *possible\_number\_of\_bytes* bytes were written.**

**Explanation**

The SAN File System client program was unable to complete a write to the control file used to communicate with the SAN File System driver.

**Action**

The system might be running low on memory. If so, wait for some memory to become available and unload and re-load the file system driver module.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0038E Could not contact the metadata server on IP address *IP\_address*. Attempting to contact metadata server using another IP address.**

**Explanation**

This problem might occur either because host name, IP address, or port number of the SAN File System metadata server are incorrect or there were network problems such as:

- Intermittent network failures
- Incorrect DNS entries
- Failed Network interfaces

**Action**

View the system error reports for errors related to this problem. Solve the problem or contact your service representative for further assistance.

---

**HSTCL0039E Could not destroy client *client\_name* (*error\_text*).****Explanation**

The SAN File System client program was unable to destroy the specified client.

**Action**

This could be because the specified client does not exist, or because the system is running low on memory. Check to make sure that the SAN File System driver is loaded and that the specified client exists.

If the specified client exists, the system might be running low on memory. If so, wait until some memory becomes available, or terminate any unnecessary applications. Then run the command to destroy the client again.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0040E Could not destroy client. File system driver response is *driver\_error\_text*.****Explanation**

The SAN File System client program was unable to destroy the specified client.

**Action**

Refer to the additional information displayed with this message. Some of the common reasons for being unable to destroy the client are:

- The specified client does not exist.
- There are active file system images on this client.
- The system is running low on memory.

If there are active file system images on this client, unmount them before destroying the client.

If the system is running low on memory, wait until some memory becomes available, or terminate any unnecessary applications. Then run the command to destroy the client again.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0041E Could not query clients. (*error\_text*).****Explanation**

This error can occur for a variety of reasons, such as:

- Insufficient memory
- Too many SAN File System virtual clients in the system
- An error in SAN File System kernel extension



### Action

View the error message and syslogs for errors that might be related to this problem.

---

## **HSTCL0042I Client *client\_name* destroyed.**

### Explanation

The specified client was successfully destroyed.

### Action

If this is the last SAN File System client, you can proceed to unload the module. Or if necessary, you can re-create the SAN File System client with the same name again.

---

## **HSTCL0043E The client was created, but no disk candidates were established. Therefore, you will be unable to read or write any file data (*error\_text*). To establish candidates now, use the `stfsdisk` command.**

### Explanation

The virtual client was created successfully. However, there are no SAN File System volumes (disks) defined for the client to access.

### Action

Run the `stfsdisk` command to define the disks that this virtual client can access.

---

## **HSTCL0044I There are no SAN File System virtual clients.**

### Explanation

There are currently no SAN File System virtual clients in the system. However, there is a kernel extension with the specified path name.

### Action

Create SAN File System virtual clients and repeat this command to view the list of virtual clients.

---

## **HSTCL0045E The proc file *file\_name* could not be opened. The error number is *error\_number* (*error\_text*).**

### Explanation

The SAN File System client program was unable to open the disk control file used to communicate with the SAN File System disk configuration thread.

## Action

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by viewing the output of `/sbin/lsmmod`. If the driver is not loaded, load it and then run the `stfsclient` program.

If the SAN File System driver is loaded, the system might be running low on memory. If so, wait until some memory becomes available, or terminate any unnecessary applications. Then unload and re-load the SAN File System driver and create the `stfsclient`.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0046E The call `stat(file_name)` failed. The error number is `error_number` (`error_text`).**

## Explanation

The `stat(2)` system call failed on the specified file/device.

## Action

Check to make sure that the specified file/device is valid and that you have sufficient privileges to access the file/device.

---

**HSTCL0047E File `file_name` is not a block-device special file.**

## Explanation

The device specified for use as a SAN File System data volume, is not a block device.

## Action

Make sure that the device specified for use as SAN File System data volume is a block device.

---

**HSTCL0048E File `file_name` is a block-device special file. SAN File System requires raw devices, which are character-device special files. A typical raw disk device name is `/dev/rhdisk0`.**

## Explanation

Raw special files in the `/dev` directory typically have permission bits of `crw-----`. Block special files in the `/dev` directory typically have permission bits set to `brw-----`. SAN File System requires raw special files on which it will store data.

## Action

Specify raw special files devices and run the command again.

---

**HSTCL0049E File *file\_name* is not a device special file.****Explanation**

You need to specify a raw disk device. Raw devices in the /dev directory typically have permission bits of crw-----. SAN File System requires raw devices on which it will store data.

**Action**

Specify raw disk devices and run the command again.

---

**HSTCL0050W Ignoring entry *directory\_entry* in directory *directory\_name* (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0051E Could not open directory *directory\_name*. The error number is *error\_number* (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0052E Could not allocate memory for *devnoArray*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0053E Could not allocate memory for *deviceNameArray*.****Explanation**

There is not enough memory remaining to perform this operation.

### Action

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

## **HSTCL0054E Could not allocate memory for editBuffer.**

### Explanation

There is not enough memory remaining to perform this operation.

### Action

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

## **HSTCL0055E Could not determine the current working directory (*error\_text*).**

### Explanation

getcwd() could fail for any one of a variety of reasons such as:

- Read or search permission was denied for a portion of the path name.
- Insufficient memory.

### Action

View the error message for clues to the problem and take corrective action.

---

## **HSTCL0056E Could not determine the current working directory. The call to getcwd() returns error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0057E Could not change the current working directory to *directory\_name*. The call to chdir() returns the error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0058E Could not find file names matching pattern *file\_name\_pattern* in directory *directory\_name*. The call to glob() could not open a directory.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0059E Not enough memory to construct the list of file names that match pattern *file\_name\_pattern* in directory *directory\_name*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0060E Could not find file names matching pattern *file\_name\_pattern* in directory *directory\_name*. The call to glob() returned an unknown return code *error\_number* (*error\_text*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0061E An error occurred while adding a candidate after *candidate\_name* was successfully added. (*error\_text*).**

**Explanation**

There was probably an internal error in the kernel extension that caused this failure, and that resulted in the inability to add this disk candidate.

**Action**

View the syslog for errors related to this problem. If that does not help resolve the issue, consult the "Maintenance and Problem Determination Guide" for suggestions.

---

**HSTCL0062E Could not allocate *number\_of\_bytes* bytes for a write buffer.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0063E Could not write to the proc file. The error number is *error\_number* (*error\_text*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0064E Only *actual\_number\_of\_characters* out of the *possible\_number\_of\_characters* characters were written to the proc file.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0065E Cannot open disk candidate proc file (*error\_text*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0066E** The value for `deviceSet.deviceSetType`  
`device_set_type_value` is not valid.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0067E** Could not compute the device number list (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0068I** Establishing *candidate\_list* candidate SAN File System  
user data disk devices.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0069E** Could not establish disk candidate list. (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0071E** You must identify the file system driver instance you  
want to control using the `-kmname` parameter.

**Explanation**

You specified the `-kmname` parameter, but you did not specify the kernel-extension name.

### Action

Specify the kernel-extension name for the `-kmname` parameter.

---

**HSTCL0072E** An error occurred from `sysconfig(SYS_QUERYLOAD)` while trying to find the kernel extension named `kernel_extension_name`. The error number is `error_number` (`error_text`).

### Explanation

`Sysconfig()` failed because of an internal error in the Kernel Extension.

### Action

View the syslog messages that might be related to this error and take appropriate action. Contact your service representative for further assistance.

---

**HSTCL0073E** There is no kernel extension named `kernel_extension_name`.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0074E** The system call failed before calling the SAN File System driver.

### Explanation

This failure might have occurred because of an internal error.

### Action

View the syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTCL0075E** The system call failed with error number `error_number` (`error_text`). The SAN File System driver created the client successfully.

### Explanation

This failure might have occurred because of an internal error.

### Action

View the syslog for errors that might be related to this problem. Contact your service representative for further assistance.



---

**HSTCL0076E** The SAN File System driver response is *driver\_error\_text*

**Explanation**

This failure might have occurred because of an internal error. It could also occur because of an incorrect parameter like a null client name.

**Action**

View the error messages and the syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTCL0077E** The call `sysconfig(SYS_CFGKMOD)` failed with error number *error\_number* (*error\_text*). *additional\_error\_text*.

**Explanation**

This failure might have occurred because of an internal error. It could also be a result of an incorrect parameter like a null client name.

**Action**

View the error messages and syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTCL0078E** The system call failed without calling SAN File System driver.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0079E** The system call failed with error number *error\_number* (*error\_text*). The SAN File System driver destroyed the client successfully.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0080E SAN File System driver response is *driver\_error\_text*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0081E The call `sysconfig(SYS_CFGKMOD)` failed with error number *error\_number* (*error\_text*). *additional\_error\_text*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0082E Could not determine the SAN File System driver instance. (*error\_text*).****Explanation**

The specified SAN File System driver instance was not found. There might not be a SAN File System driver instance loaded.

**Action**

Use the `genkex` command to verify that the SAN File System driver instance is loaded. Run this command again, specifying that SAN File System driver instance.

---

**HSTCL0083E Internal error. The network address is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0084E Could not create a client named *client\_name* on the metadata server on port *port\_number* of IP address *IP\_address* (*error\_text*).**

**Explanation**

This error could have occurred for a variety of reasons, such as:

- A client name is too long.
- A client name is NULL.

**Action**

View the syslog messages for errors that might be related to this problem. Make appropriate changes to correct this problem.

---

**HSTCL0085E Could not create a client named *client\_name* for metadata server *server\_name* (*error\_text*).**

**Explanation**

This error could occur for a variety of reasons including internal errors.

**Action**

View the error messages and syslogs and make appropriate changes to correct this problem.

---

**HSTCL0086I Created a client with the client identifier *client\_identifier*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0087E Created a client with the client identifier *client\_identifier*. However, the client could not contact the metadata server.**

**Explanation**

This problem could occur either because the host name, IP address, or port number of the SAN File System metadata server are incorrect, or there were network problems such as:

- Intermittent network failures
- Incorrect DNS entries
- Failed network interfaces

### **Action**

View the system error reports for errors related to this problem. Solve the problem or contact your service representative for further assistance.

---

## **HSTCL0088E Could not allocate memory for current working directory.**

### **Explanation**

There is not enough memory remaining to perform this operation.

### **Action**

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

## **HSTCL0089E The call to `getcwd()` failed with the error number *error\_number* (*error\_text*).**

### **Explanation**

`getcwd()` could fail for any one of a variety of reasons such as:

- Read or search permission was denied for a portion of the path name.
- Insufficient memory.

### **Action**

View the error message for clues to the problem and take corrective action.

---

## **HSTCL0100E Could not allocate memory for client names.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0101E Too many new clients were created.**

### **Explanation**

There is not enough memory remaining to perform this operation.

### **Action**

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

**HSTCL0102E The converter specified by the `-converter` parameter is not recognized.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0103E You must specify the name of the International Components for Unicode (ICU) converter function for the client program by using the `-converter` option. Refer to the Administrator's Guide and Reference for more information.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0104E Address value `pointer_address` is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0105E An error occurred from `sysconfig(SYS_QUERYLOAD)` while trying to find the kernel extension loaded from file `file_name`. The error number is `error_number` (`error_text`).**

**Explanation**

`Sysconfig()` failed because of an internal error in the Kernel Extension.

**Action**

View the syslog messages that might be related to this error and take appropriate action. Contact your service representative for further assistance.

---

**HSTCL0106E No kernel extension is loaded from file *file\_name*.****Explanation**

The specified kernel extension is not loaded.

**Action**

Use the `genkex` command to determine the name of the kernel extension. Run this command again with that name.

---

**HSTCL0107E There is no device named *fstype*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0108E The device file named *module\_device* is not a block device. The error number is *error\_number* (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0109E Failed to make block device named *module\_device*. The error number is *error\_number* (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0110E Failed to issue `ioctl` for device named *module\_device*. The error number is *error\_number* (*error\_text*).****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0111E Failed to unlink device named *module\_device*. The error number is *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0112E Specifying *dir=/dev* for the *-devices* option is currently not supported.**

### Explanation

You must specify a directory that contains only the block device nodes or symbolic links to block device nodes that you want to use as the SAN File System data volumes.

### Action

Specify a valid directory that contains the block devices to be used as SAN File System data volumes.

---

**HSTCO0001E Number *number* is not valid.**

### Explanation

You entered an invalid character in a string representing an integer value.

### Action

Structure the string representing the decimal number to contain a string of digits (0 to 9).

---

**HSTCO0002E Number *integer\_number* passed as an argument to parameter *parameter\_name* is out of range.**

### Explanation

You specified a value that is not valid for the parameter type. The parameter in error appears in the error message.

### Action

Rerun the command specifying a value that is valid for the integer parameter.

---

**HSTCO0003E Floating point number *number* is not valid.****Explanation**

You entered an invalid character in a string representing a floating point value.

**Action**

Structure the string representing the floating point number to contain (in order) an optional sign, a string of digits optionally containing a radix character, an optional "e" or "E", and then an optionally signed integer.

---

**HSTCO0004E Floating point number *number* passed as an argument to parameter *parameter\_name* is out of range.****Explanation**

You entered a value that is out of range for a floating point value. The parameter in error appears in the error message.

**Action**

Rerun the command specifying a value that is in range for a floating point value.

---

**HSTCO0005E Address value *pointer\_address* is not valid.****Explanation**

OBSOLETE/NOT USED You have specified an invalid value for a pointer address.

**Action**

Rerun the command specifying a valid value for the pointer address.

---

**HSTCO0006E Shhopt internal error: Value is not valid for the parameter type: *parameter\_type*.****Explanation**

You specified an invalid value for a parameter type.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command specifying a value that conforms to the parameter type.

---

**HSTCO0007E Unrecognized parameter *parameter\_name*.****Explanation**

You specified an option that is not recognized or supported.



**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments.

---

**HSTCO0008E Parameter *parameter\_name* requires an argument.****Explanation**

You did not specify an argument for an option that requires an argument.

**Action**

Look at the command help to identify all the valid options and arguments. Some options require arguments and some do not. Retry the command specifying an argument for the option specified in the error message.

---

**HSTCO0009E Parameter *parameter\_name* does not allow an argument.****Explanation**

The parameter does not allow an argument.

**Action**

Look at the command help to identify all the valid options and arguments. Some options require arguments and some do not. Remove the unrequired argument from the option specified in the error message.

---

**HSTCO0010E Unrecognized parameter *-parameter\_name*.****Explanation**

You entered an option that is not recognized.

**Action**

Look at the command help to identify all the valid options and arguments. Remove the unrecognized option and rerun the command.

---

**HSTCO0011E Could not allocate space for new-format option table.****Explanation**

There was a failure trying to allocate memory while parsing options for the command. This failure might occur because the system is low on memory.

**Action**

Retry the command after identifying and correcting the reason for the memory shortage.

---

**HSTCO0012E Ambiguous parameter *-parameter\_name*.****Explanation**

You entered an option string that does not clearly identify a specific option.

**Action**

Look at the command help to identify all the valid options and arguments. If you entered an incomplete option string, identify the minimum number of characters to make it unambiguous. Correct the option string to make it unambiguous and rerun the command.

---

**HSTCS0001E *%command*: Execution halted because the configuration file is not available: *%configuration\_file\_name*****Explanation**

When run in quiet mode a valid configuration file must exist.

**Action**

Rerun the setup utility in interactive mode to generate a valid configuration file.

---

**HSTCS0002E *%command*: Cannot open *%file\_name*: *%error\_number*****Explanation**

A required file was not found.

**Action**

Reinstall the SAN File System client.

---

**HSTCS0003I Unrecognized parameter. It was ignored.****Explanation**

An unrecognized parameter was found in the configuration file.

**Action**

This message is informational and can safely be ignored. The unrecognized parameter should be removed from the configuration file to prevent this message.

---

**HSTCS0004E Execution stopped because an invalid configuration parameter was found while running in quiet mode: *%parameter*****Explanation**

When run in quiet mode, a valid configuration file must exist.

**Action**

Run in interactive mode to generate a valid configuration file.

---

**HSTCS0005E Execute the script using *%startup\_command* or *%shutdown\_command* symbolic link.**

**Explanation**

The client configuration script is not executed directly. It is executed through either the setupstclient or rmstclient symbolic link.

**Action**

Execute the client configuration script using the setupstclient or rmstclient symbolic link.

---

**HSTCS0006W Warning. Could not write *%configuration\_file\_name***

**Explanation**

The client configuration tool was unable to write the configuration to a file.

**Action**

Verify the client/config directory is writable and the configuration tool was run as root.

---

**HSTCS0007E Could not load the SAN File System kernel module**

**Explanation**

insmod stfs.o failed.

**Action**

Contact your service representative.

---

**HSTCS0008E Could not create SAN File System client**

**Explanation**

stfsclient -create failed.

**Action**

Contact your service representative.

---

**HSTCS0009E Could not mount SAN File System**

**Explanation**

stfsmount failed.

**Action**

Contact your service representative.

---

**HSTCS0010E Could not unmount SAN File System****Explanation**

stfsumount failed.

**Action**

Contact your service representative.

---

**HSTCS0011E Could not destroy SAN File System client****Explanation**

stfsclient -destroy failed.

**Action**

Contact your service representative.

---

**HSTCS0012E Could not unload SAN File System kernel module****Explanation**

modunload failed.

**Action**

Verify that SAN File System is not mounted.

---

**HSTCS0013E Could not unload SAN File System kernel module****Explanation**

stfsdriver -unload failed.

**Action**

Contact your service representative.

---

**HSTCS0014E Could not load the SAN File System kernel extension.****Explanation**

stfsdriver -load failed.

**Action**

Contact your service representative.

---

**HSTCS0015E Could not unload the SAN File System kernel extension.****Explanation**

stfsdriver -unload failed.

**Action**

Contact your service representative.

---

**HSTCS0016W** *%command: Cannot open %configuration\_file:*  
*%error\_number*

**Explanation**

The client configuration tool was unable to open the configuration file.

**Action**

Verify the client/config directory is writable and the configuration tool was run as root.

---

**HSTCS0018E** **Failed to create directory: %mount\_point**

**Explanation**

Setupstclient will attempt to create the specified mount point if it does not exist.

**Action**

Verify the configuration tool was run as root.

---

**HSTCS0019E** **Could not add a vfstab entry for sanfs.**

**Explanation**

An attempt to add an entry to /etc/vfstab failed.

**Action**

Contact your service representative.

---

**HSTCS0020E** **Failed to add an entry to /etc/filesystems.**

**Explanation**

An entry must be made in /etc/filesystems to allow some of the AIX file system utilities to function properly.

**Action**

Verify that /etc/filesystems exists and is readable.

---

**HSTCS0021E** **Failed to remove the /etc/filesystems entry.**

**Explanation**

Failed to open /etc/filesystems while attempting to remove the SAN File System entry that was made by setupstclient.

### Action

Verify that `/etc/filesystems` exists and is readable.

---

**HSTCS0022W Found an unexpected entry in `/etc/filesystems` at line `%line_num` Found: `%found_line` Expected: `%expect_line`**

### Explanation

Rmstclient did not find the expected `/etc/filesystems` entry. This message might occur if the entry for this SAN File System mount point in `/etc/filesystems` was modified since the mount was set up.

### Action

Remove the `/etc/filesystems` entry for this SAN File System mount point by editing the file manually.

---

**HSTCS0023E Cannot stat `%file_name`: `%error_number`**

### Explanation

An attempt to get a required file's attributes failed.

### Action

Verify that the file exists.

---

**HSTCS0024E Cannot change owner of `%file_name`: `%error_number`**

### Explanation

An attempt to change the owner of the file failed.

### Action

If you are root this action should never fail.

---

**HSTCS0025E Cannot change permission for `%file_name`: `%error_number`**

### Explanation

An attempt to change the permissions of the file failed.

### Action

If you are root this action should never fail.

---

**HSTCS0026E Cannot rename `%temp_name` to `%file_name`: `%error_number`**

### Explanation

An attempt to rename the file failed.

### Action

If you are root this action should never fail.

---

## **HSTCS0027E Cannot write to %file\_name: %error\_number**

### Explanation

An attempt to write to the file failed.

### Action

Make sure the file system is not full.

---

## **HSTCS0028W %mount\_point is already in use.**

### Explanation

The mount point must be unique.

### Action

Choose a different mount point.

---

## **HSTCS0029E The kernel that is currently running reports its version as %kernel\_version. Only the following kernel versions are supported by this RPM: %supported\_versions**

### Explanation

The supported\_versions is a list of kernel versions for which this RPM was built. You must be running on a version supported by the installed RPM. If not, the required kernel module stfs.o cannot be loaded and the SAN File System will not be available.

### Action

1. Ensure that the RPM you installed is intended for your current distribution.
  2. See if one of the kernels installed with your distribution matches one of the expected kernel versions.
  3. If you must work with this kernel, you can also download the Linux kernel module source code from the SAN File System website and build it for use by this kernel.
- 

## **HSTCS0030W Failed to create a symbolic link to %link\_destination from %link\_source.**

### Explanation

To support multiple Linux kernels, some applications must be compiled separately, and then symbolically linked from /usr/tank/client. A symbolic link could not be created for the link\_destination application.

**Action**

1. Verify that files can be created in the file system in which /usr/tank/client resides.
2. Attempt the symbolic link manually by running the command: ln -s link\_source link\_destination

---

**HSTCS0031E Kernel version mismatch. The SAN File System kernel module you are attempting to load was built for kernel version *%mod\_kern\_string*. You are running kernel version *%running\_kern\_string*.**

**Explanation**

Each SAN File system kernel module is built for a specific kernel. If you attempt to load the module into a kernel for which it was not built, the module may fail to load.

**Action**

Choose a module that was built for the running kernel or reboot using a supported kernel.

---

**HSTCS0032I *%command*: Skipping SAN File System client startup because autorestart is set to "No" in *%config\_file*. Run /usr/tank/client/bin/setupstclient to manually start the client.**

**Explanation**

By default the SAN File System client automatically mounts at startup. You can disabled this feature by setting autorestart to No in the configuration file used by setupstclient.

**Action**

Run setupstclient -prompt to modify the autorestart parameter and save the configuration file.

---

**HSTCS0033E There are no configuration settings to show. Create a configuration file by using SMIT or by running /usr/tank/client/bin/setupstclient -prompt .**

**Explanation**

No configuration settings can be shown if none have been configured.

**Action**

Configure the client first by using setupstclient or by using SMIT.



---

**HSTDK0001E** You can specify **-add**, **-remove**, **-query**, or **-discover**, but you must specify only one of these parameters.

**Explanation**

On the `stfsdisk` command, you can specify only one of these parameters: `-add`, `-remove`, `-query`, or `-discover`. You specified more than one of these parameters.

**Action**

Run the `stfsdisk` command again, specifying only one of the parameters.

---

**HSTDK0002E** For the **-add** parameter, you can specify a maximum of two parameter values: **client name** and **disk\_specific file name**. You specified *number\_of\_parameter\_values*.

**Explanation**

The only valid parameter values for the `-add` parameter are the disk-specific file name and the client name. You specified too many parameters.

**Action**

Run the `stfsdisk` command again, specifying only the disk file name and the client name for the `-add` parameter.

---

**HSTDK0003E** At a minimum, you must specify the **disk-specific file name** as a value with the **-add** parameter.

**Explanation**

You specified the `-add` parameter with no parameter values. For the `-add` parameter, you must specify at a minimum the disk-specific file name.

**Action**

Run the `stfsdisk` command again, specifying the disk-specific file name for the `-add` parameter.

---

**HSTDK0004E** For the **-remove** parameter, you can specify a maximum of two parameter values: **client name** and **disk-specific file name**. You specified *number\_of\_parameter\_values*.

**Explanation**

The only valid parameter values for the `-remove` parameter are the disk-specific file name and the client name. You specified too many parameters.

**Action**

Run the `stfsdisk` command again, specifying only the disk-specific file name and the client name for the `-add` parameter.

---

**HSTDK0005E At a minimum, you must specify the disk-specific file name as a value for the -remove parameter.**

**Explanation**

You specified the -remove parameter with no parameter values. For the -add parameter, you must specify at minimum the disk-specific file name.

**Action**

Run the stfsdisk command again, specifying the disk-specific file name for the -remove parameter.

---

**HSTDK0006E You can specify either the -mountpoint or the -vfsnumber parameter, but not both on the same command.**

**Explanation**

For the stfsdisk command, you must specify either the -mountpoint parameter or the -vfsnumber parameter. However, you cannot specify both on the same command.

**Action**

Run the stfsdisk command again, specifying either the -mountpoint or the -vfsnumber parameter.

---

**HSTDK0007E If you specify either the -mountpoint or -vfsnumberspec parameter, you cannot specify a mountpoint as an argument.**

**Explanation**

If you specify either the -mountpoint parameter or the -vfsnumber parameter, you cannot specify a mountpoint as an argument value on the stfsdisk command.

**Action**

Run the stfsdisk command again, specifying either the -mountpoint or the -vfsnumber parameter, or specifying a mountpoint as an argument value.

---

**HSTDK0008E To identify the SAN File System virtual client, you must specify the -mountpoint or -vfsnumberspec parameter, or you must specify the mountpoint as an argument.**

**Explanation**

You attempted to run the stfsdisk command without identifying the virtual client. You must specify the -mountpoint parameter or the -vfsnumber parameter, or you must specify the mountpoint as an argument value.

**Action**

Run the stfsdisk command again, specifying either the -mountpoint or the -vfsnumber parameter, or specifying a mountpoint as an argument value.

---

**HSTDK0018E For the -query parameter, you can only specify one value: client name. You specified *parameter\_values*.**

**Explanation**

You attempted to run the stfsdisk command with more than one argument for the query option.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the stfsdisk command specifying only the client name as the argument for the query option.

---

**HSTDK0019E For the -discover parameter, you can only specify one value: client name. You specified *parameter\_values*.**

**Explanation**

You attempted to run the stfsdisk command with more than one argument for the discover option.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the stfsdisk command specifying only the client name as the argument for the discover option.

---

**HSTDK0020E You must specify the -add, -remove, -query, or -discover parameter.**

**Explanation**

You attempted to run the stfsdisk command without specifying one of the required options.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the stfsdisk command specifying at least one of the required options: add, remove, query, or discover.

---

**HSTDK0021I No disk candidates exist.**

**Explanation**

The stfsdisk program successfully started a disk configuration, but there are no candidate disks specified for the client. This message is an informational message that might indicate these possible errors:

- There was an incorrect candidate disks pattern specified during the client startup.

- There was a problem accessing the specified candidate devices making them unusable. This problem might be caused by SAN failures.

### Action

View the errors and syslog for errors that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

## HSTDK0022I There are *number\_of\_candidates* more candidates.

### Explanation

This message is an informational message that prints when there are more than 256 candidate disks available to the client. The command displays information for up to 256 disks before printing this message.

### Action

No action required.

---

## HSTDK0023E Could not add disk candidate *disk\_candidate\_name* to client *client\_name* (*error\_text*).

### Explanation

The stfsdisk program failed to add the disk to the list of candidate devices. The error message associated with the failure appears.

### Action

View the errors and syslog for errors that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

## HSTDK0024E Could not remove disk candidate *disk\_candidate\_name* from client *client\_name* (*error\_text*).

### Explanation

The stfsdisk program failed to remove the disk from the list of candidate devices. The error message associated with the failure appears.

### Action

View the errors and syslog for errors that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTDK0025E Could not query disk candidate list of client**  
*client\_name (error\_text).*

**Explanation**

The stfsdisk program failed to query the list of candidate disk devices available to the client. The error message associated with the failure appears.

**Action**

Make sure that you specified a valid client name as an argument to the command. View the errors and syslog for errors that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTDK0026E Could not discover disks on client** *client\_name.*  
*(error\_text).*

**Explanation**

The stfsdisk program failed to perform the disk discovery operation on the client. The error message associated with the failure appears.

**Action**

View the errors and syslog for errors that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTDR0001E You can specify -load, -unload, or -query, but you can only specify one of these parameters on the same command.**

**Explanation**

Only certain combinations of options are valid for the command. Specify only one of the load, unload, or query options in the command.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments.

---

**HSTDR0003E You can specify the -fstypename parameter or the -fstypenumber parameter, but not both on the same command.**

**Explanation**

You used both the fstypename and fstypenumber options in the same command, which is invalid.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments. In this

case, use either one of the options: fstypename or fstypenumber.

---

**HSTDR0004E For the load command, you must specify the file specification of the file system driver file you want to load.**

**Explanation**

The file system driver is typically named stfs. Specify the path name of this driver file in the load command.

**Action**

Rerun this command with the correct file system driver path name.

---

**HSTDR0005E For the -load parameter, you can specify only one value: file specification. You specified *number\_of\_parameter\_values*.**

**Explanation**

With the -load parameter, specify only the SAN File System driver path name. You specified additional parameters.

**Action**

Rerun this command using only the file system driver path name with the -load parameter.

---

**HSTDR0006E The -fstypenumber parameter is not valid for the -unload parameter.**

**Explanation**

Specify only the SAN File System driver path name with the -unload parameter. SAN File System driver is typically named stfs.

**Action**

Run this command again using only the file system driver path name with the -unload parameter.

---

**HSTDR0007E The -fstypename parameter is not valid for the -unload parameter.**

**Explanation**

Specify only the SAN File System driver path name with the -unload parameter. SAN File System driver is typically named stfs.

**Action**

Run this command again using only the file system driver path name with the -unload parameter.

---

**HSTDR0009E For the unload command, specify the file specification of the file system driver file you want to unload.**

**Explanation**

Specify only the SAN File System driver path name with the -unload parameter. SAN File System driver is typically named stfs.

**Action**

The command genkex lists all the known kernel extensions and their associated files. If the SAN FS driver is listed, rerun the command with the file specified in the output of the genkex command. SAN File System kernel extension is typically named stfs.

---

**HSTDR0010E For the -unload parameter, only specify one value: file specification. You specified *number\_of\_parameters*.**

**Explanation**

Specify only the SAN File System driver path name with the -unload parameter. SAN File System driver is typically named stfs.

**Action**

The command genkex lists all the known kernel extensions and their associated files. If the SAN File System driver is listed, rerun the command with the file specified in the output of the genkex command as the only parameter. SAN File System kernel extension is typically named stfs.

---

**HSTDR0013E The -fstypenumber parameter is not valid for the -query parameter.**

**Explanation**

Only certain combinations of options and arguments are valid for a command. You cannot use the fstypenumber option with the unload option.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments. Specify only the SAN File System driver path name with the -unload parameter. SAN File System driver is typically named stfs.

---

**HSTDR0014E The -fstypename parameter is not valid for the -query parameter.**

**Explanation**

Only certain combinations of options and arguments are valid for a command. You cannot use the fstypename option with the unload option.

### Action

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments. Specify only the SAN File System driver path name with the `-unload` parameter. SAN File System driver is typically named `stfs`.

---

**HSTDR0016E For the `-query` parameter, you must specify the file specification of the object file from which the kernel extension was loaded.**

### Explanation

Only certain combinations of options and arguments are valid for a command. For the `-query` parameter, you must specify the file specification of the object file from which the kernel extension was loaded.

### Action

The command `genkex` lists all the known kernel extensions and their associated files. If the SAN FS driver is listed, rerun the command with the file specified in the output of the `genkex` command. SAN File System kernel extension is typically named `stfs`.

---

**HSTDR0017E For the `-query` parameter, you can specify only one value: file specification. You specified *number\_of\_parameters*.**

### Explanation

Only certain combinations of options and arguments are valid for a command. For the `-query` parameter, you must specify only the file specification of the object file from which the kernel extension was loaded. You specified additional parameters.

### Action

The command `genkex` lists all the known kernel extensions and their associated files. If the SAN File System driver is listed, rerun the command with the file specified in the output of the `genkex` command as the only parameter. SAN File System kernel extension is typically named `stfs`.

---

**HSTDR0021E Could not find Virtual File System entry for file-system type name *file\_system\_type\_name* in `/etc/vfs`.**

### Explanation

There is no entry in `/etc/vfs` for the file system name specified.

### Action

Edit `/etc/vfs` to add an entry with this file system name. Then, run this command again.



---

**HSTDR0024E** The SAN File System driver response is *driver\_error\_text*.

**Explanation**

This error might occur for many reasons including an internal error in the file system driver. This error might also occur because fstypenum, while loading the SAN File System driver, conflicts with an existing file system.

**Action**

View the errors and syslog for errors that might relate to this problem. Contact your service representative.

---

**HSTDR0025E** Could not configure kernel extension (initialize file system driver). The error number returned by sysconfig(SYS\_CFGKMOD) is *error\_number* (*error\_text*). *additional\_error\_text*

**Explanation**

The kernel extension (file system driver) was loaded, but could not be configured. This problem might be due to an internal error in the kernel extension.

**Action**

View the syslog for errors that might relate to this problem. Contact your service representative.

---

**HSTDR0026E** Unloading kernel extension due to error...

**Explanation**

The kernel extension (file system driver) was loaded, but could not be configured. This problem might be due to an internal error in the kernel extension. The kernel extension was unloaded.

**Action**

View the syslog for errors that might relate to this problem. Contact your service representative.

---

**HSTDR0027E** Could not unload kernel extension to clean up failed load. The error number returned by sysconfig(SYS\_KULOAD) of *-kmid* is *error\_number* (*error\_text*).

**Explanation**

The kernel extension (file system driver) was loaded, but could not be configured. This problem might be due to an internal error in the kernel extension. An attempt to unload the kernel extension also failed.

### Action

View the syslog for errors that might relate to this problem. Contact your service representative.

---

**HSTDR0028E Could not load kernel extension. The error number returned by sysconfig(SYS\_KLOAD) is *error\_number (error\_text)*.**

### Explanation

This error might occur for various reasons such as trying to load a file that is not a kernel extension.

### Action

Ensure that you are attempting to load a SAN File System kernel extension. SAN File System kernel extension is typically named stfs.

---

**HSTDR0029I The kernel extension was successfully loaded from file *file\_name* kernel module ID (kmid) = *kernel\_module\_identifier*.**

### Explanation

This message indicates that the SAN File System kernel extension loaded successfully.

### Action

No action required.

---

**HSTDR0030I File system driver is initialized and ready to handle file-system type *file\_system\_type*.**

### Explanation

This message indicates that the SAN File System kernel extension loaded and initialized successfully.

### Action

No action required.

---

**HSTDR0031E Could not unconfigure kernel extension (shut down filesystem driver). The error number of sysconfig(SYS\_CFGKMOD) is *error\_number (error\_text)*. The SAN File System driver response is *driver\_error\_text*.**

### Explanation

This error can occur for several reasons. One example is when there are instances of SAN File System virtual clients and the resource is busy.

### Action

View the errors and syslogs that might be related to this problem and take appropriate steps.

---

## **HSTDR0032W Continuing even though an error occurred due to -force parameter.**

### Explanation

Because the command was invoked with a -force option, the command continues even though some earlier steps associated with the command might have failed.

### Action

No action required.

---

## **HSTDR0033I SAN File System driver shut down successfully.**

### Explanation

This message indicates that the command successfully shut down SAN File System.

### Action

No action required.

---

## **HSTDR0034E Could not unload kernel extension with kmid = *kernel\_module\_identifier*. The error number from `sysconfig(SYS_KULOAD)` is *error\_message (error\_text)*.**

### Explanation

The kernel extension was not configured and could not be unloaded. This error might be caused by an internal error in the kernel extension.

### Action

View the error messages and syslogs for clues that might relate to this problem. Contact your service representative for further assistance.

---

## **HSTDR0035I The kernel extension *kernel\_extension\_name* was unloaded successfully.**

### Explanation

This message indicates that the command successfully unloaded the kernel extension ( SAN FS driver ).

### Action

No action required.

---

---

**HSTDR0036E** An error occurred from sysconfig(SYS\_QUERYLOAD) while trying to find the kernel extension loaded from file *file\_name*. The error number is *error\_number* (*error\_text*).

**Explanation**

This error might have occurred due to an internal error in the kernel extension.

**Action**

View the syslogs for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTDR0037I** No kernel extension is loaded from file *file\_name*.

**Explanation**

The kernel extension ( SAN FS driver) was not found using the file specified in the command.

**Action**

This error might occur because the file specified in the command was not the one used to load the SAN File System driver. The command genkex lists all the known kernel extensions and their associated files. If the SAN File System driver is listed, rerun the command with the file specified in the output of the genkex command. SAN File System kernel extension is typically named stfs.

---

**HSTDR0038I** The kernel extension with kernel module ID (*kmid*) *kernel\_module\_identifier* was most recently loaded from file *file\_name*.

**Explanation**

The kernel extension ( SAN FS driver) was loaded from the specified file with the displayed kernel extension ID (*kmid*).

**Action**

No action required.

---

**HSTDR0039E** Internal error: impossible value for cmdline.operation

**Explanation**

Invalid parameter supplied as parameter to stfsdriver.

**Action**

Enter one of the following parameters to stfsdriver and rerun the command: -load, -unload and -query

---

**HSTDR0040E Operation failed (*error\_text*).****Explanation**

The load, unload, or query operation failed. The error message associated with the failure appears.

**Action**

If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTDR0041E Error from sysconfig(SYS\_QUERYLOAD) while checking for a prior instance of the kernel extension loaded from file *file\_name*. The error number is *error\_number* (*error\_text*).****Explanation**

The sysconfig call that checks for an already loaded kernel extension failed due to a system error. The error message associated with the failure appears.

**Action**

If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTDR0042E There is already a kernel extension loaded from file *file\_name*.****Explanation**

An instance of the kernel extension with the same name is already loaded on this system.

**Action**

Unload the previous instance of the kernel extension before attempting to load this one, or load this kernel extension with a different path name.

---

**HSTDR0043E The -debuginit option is only valid during a driver 'load' operation.****Explanation**

OBSOLETE/NOT USED Only certain combinations of options and arguments are valid and arguments for a command. You cannot specify kmid as a parameter for the load option.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments. You can use the debugInit option only with the load option.

---

**HSTDR0044E The class string argument for -debuginit is invalid.****Explanation**

The trace class string specified as the argument to the -debuginit is invalid. This option enables tracing during the driver and file system initialization, and should be used only in consultation with your service representative.

**Action**

Contact your service representative to get the allowable list of class strings. Retry the command with only the allowable list of class strings to the -debuginit option.

---

**HSTDR0045E The class identifier, *class\_id*, for -debuginit is invalid.****Explanation**

The trace class ID specified as the argument to the -debuginit is invalid. This option enables tracing during the driver and file system initialization, and should be used only in consultation with your service representative.

**Action**

Contact your service representative to get the allowable list of class strings. Retry the command with only the allowable list of class IDs to the -debuginit option.

---

**HSTIA0001E Warning:Could not add an entry to /etc/vfs. Restoring previously saved copy of /etc/vfs.****Explanation**

The installation of the SAN File System client adds an entry to /etc/vfs to register the SAN File System with the operating system.

**Action**

Verify the operation was run as root.

---

**HSTIA0002W Warning:Could not add an entry for stfsclient to /etc/inittab.****Explanation**

The installation of the SAN File System client adds an entry to /etc/inittab to restart the SAN File System client at boot time.

**Action**

Verify the operation was run as root.

---

**HSTIA0004W Could not save a copy of /etc/vfs. Skipping the removal of the stfs entry from /etc/vfs.**

**Explanation**

Before making changes to /etc/vfs, a copy is made. If the copy operation fails, no changes are made to /etc/vfs.

**Action**

Verify the operation was run as root.

---

**HSTIA0005W Warning:Could not remove the stfs entry from /etc/vfs.**

**Explanation**

The uninstall process failed to remove the stfs entry from /etc/vfs.

**Action**

Verify the operation was run as root.

---

**HSTIA0006E Error:Could not stop client. This package can not be removed while the SAN File System client is running. No changes will be made.**

**Explanation**

The SAN File System client package can not be removed while the SAN File System client is active. The package attempts to stop the SAN File System client by running /etc/rc.d/init.d/stfsclient stop.

**Action**

Check that the SAN File System is not in use.

---

**HSTIA0007E Error:/usr/tank/client/bin/stfsstatus does not exist.**

**Explanation**

/usr/tank/client/bin/stfsstatus reports the status of the SAN File System client.

**Action**

Reinstall the SAN File System client.

---

**HSTIA0008E The existing SAN File System client package cannot be upgraded to this version. No changes will be made. To override and upgrade anyway, run: touch /usr/tank/client/.IGNORE\_VERS**

**Explanation**

The installation script first checks to verify that the upgrade path is supported by comparing the INTERFACE value in /usr/tank/client/VERSION with the version being installed. If the difference between these values is greater than 1, the new package will not be able to communicate with the metadata server. The file /usr/tank/server/.IGNORE\_VERS can be created to force the upgrade.

**Action**

Before upgrading to this level, an intermediate upgrade is required. Contact your service representative to determine the supported upgrade path.

---

**HSTIA0009I Starting the SAN File System client.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0010E The command /usr/tank/client/bin/setupstclient -noprompt failed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0011I Run /usr/tank/client/bin/setupstclient -prompt**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTIA0012E The command /usr/tank/client/bin/setupstclient does not exist.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0013I Shutting down SAN File System client.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0014E The command /usr/tank/client/bin/rmstclient -noprompt failed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0015E The command /usr/tank/client/bin/rmstclient does not exist.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0016I The SAN File System client is running.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0017I The SAN File System client is stopped.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0018I Usage: \$0 {start|stop|status|restart}****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIA0019E This package can not be removed while the SAN File System client is running.****Explanation**

The SAN File System client package cannot be removed while the SAN File System client is active.

**Action**

Execute `/usr/tank/client/bin/rmstclient` to stop the client.

---

**HSTIA0024E You can not configure the client while the client is running. Stop the client by using `/usr/tank/client/bin/rmstclient` or by using SMIT.****Explanation**

The client can not be reconfigured while it is running.

**Action**

Stop the client by using `rmstclient` from the command line or by using the SMIT panel.

---

**HSTMO0001E At a minimum, you must specify the mount point (directory) as a parameter.**

**Explanation**

You attempted to run the command without any arguments. The command needs at least the mount point to be passed as an argument.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the command specifying at least the mount point as an argument.

---

**HSTMO0002E There are a maximum of two parameters for this command. You specified *number\_of\_parameters*.**

**Explanation**

You attempted to run the command with more than two arguments. The command takes a maximum of two arguments, the client name and the mount point.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the command specifying only the client name and the mount point as arguments.

---

**HSTMO0003E The call to mount() was interrupted by a SIGINT signal.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0004E Mount point *mount\_point\_name* or file-system type *file\_system\_type* does not exist. View /proc/filesystems to determine the existing file systems. Refer to the message help for adding a file-system type. The call to mount() failed with error number ENODEV before calling the SAN File System driver.**

**Explanation**

You attempted to mount a file system, but either the mount point or the file system type does not exist. View /proc/filesystems to determine the existing file systems.

### Action

Attempt to mount a different file system or add the file system type to the list of existing file system types.

To add a file system type, insert it in `/proc/filesystems`. For example, in a Linux environment, insert the SAN File System driver LKM using the `insmod` command.

---

**HSTMO0005E The call to mount() failed with error number *error\_number* (*error\_text*) before calling the SAN File System driver.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0006E The call to mount() failed with error number *error\_number* (*error\_text*) even though the SAN File System driver completed the mount successfully.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0007E The call to mount() failed due to errors detected by the SAN File System driver. The mount() error number is *error\_number* (*error\_text*) and the SAN File System driver response is: *driver\_error\_text*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0008E Interrupted by a SIGINT signal while trying to open lock file *file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0009E Lock file *file\_name* already exists. Another client currently holds the lock.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0010E The call `open(file_name)` failed with error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0011E Could not open `/etc/mtab` to add an entry to it. Interrupted by a SIGINT signal.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0012E Could not open `/etc/mtab` to add an entry to it. The call to `fopen()` returned error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0013E** Could not mount SAN File System client *client\_name* of file-system type *file\_system\_type* over directory *directory\_name* in *access\_mode* mode. The call to mount() failed with the error: *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0014E** Could not add entry to /etc/mtab. The call to open the mtab file failed: (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0015I** Mounted SAN File System client *client\_name* of file-system type *file\_system\_type* over directory *directory\_name* in *access\_mode* mode.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0016E** Could not open the list of standin devices *file\_name*. The call to fopen() failed with error number *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0017E** A line of *stdin\_line* has an unexpected format: *line\_format*. The format must be two numbers and a string.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0018E** There are no unused *stdin* devices for the *file\_system\_type* file-system type.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0019E** The search for unused *stdin* device number failed. The reason for the failure is: *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0020E** Could not create the device special file *file\_name*. The call to `mknod()` failed with error number *error\_number* (*error\_text*)

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0021E Could not acquire lock for updating /etc/mtab. The error number is *error\_text*. Specify the -nomtab parameter.**

**Explanation**

When you attempt to mount a file system, a record of that mount is included in /etc/mtab. The system could not obtain a lock on /etc/mtab and cannot update the file. This situation caused the mount to fail.

**Action**

Attempt to mount the file system again. This time, use the -nomtab parameter to specify that the mount is not to be recorded in /etc/mtab.

---

**HSTMO0022E Could not acquire lock for allocating a SAN File System standin block device. *lock\_error\_text*. Specify the -standindevice parameter.**

**Explanation**

When you attempt to mount a file system and you do not specify the -standindevice parameter, the system attempts to use an unused standin block device. It creates a temporary block device-specific file for the standin block device and adds the name of the temporary file to the Linux mount table. It creates the file in the directory defined by the TMPDIR environment variable or /tmp if TMPDIR is not defined.

**Action**

Attempt to mount the file system again. This time, use the -standindevice parameter to specify the device-specific file name of the standin block device for the global file system image.

---

**HSTMO0023E Could not create a unique standin block device for the new file system image. *error\_text*. Specify the -standindevice option.**

**Explanation**

When you attempt to mount a file system and do not specify the -standindevice parameter, the system attempts to use an unused standin block device. It creates a temporary block device-specific file for the standin block device and adds the name of the temporary file to the Linux mount table. It creates the file in the directory defined by the TMPDIR environment variable or /tmp if TMPDIR is not defined.

**Action**

Attempt to mount the file system again. This time, use the -standindevice parameter to specify the device-specific file name of the standin block device for the global file system image.



---

**HSTMO0024E Internal Error. The call `format_text()` failed in the call `fatal()`.**

**Explanation**

One possible reason for this error is insufficient memory.

**Action**

View the error message and take appropriate steps.

---

**HSTMO0025E Specify either the `-fstypename` parameter or the `-fstypenum` parameter, but not both on the same command.**

**Explanation**

When you attempt to mount a file system, specify either the name of the file system type to use for the file system driver instance (`-fstypename`) or the number that identifies the file system type for the file system driver instance (`-fstypenum`). You cannot specify both.

**Action**

Attempt to mount the file system again. This time, specify either `-fstypename` or `-fstypenum`; do not specify both.

---

**HSTMO0026E At a minimum, specify the mount point as a parameter.**

**Explanation**

When you attempt to mount a file system, specify the mount point that you want to mount.

**Action**

Attempt to mount the file system again. This time, specify either `-fstypename` or `-fstypenum`; do not specify both.

---

**HSTMO0027E Could not find a virtual file system entry for file-system type *file\_system\_type* in `/etc/vfs`.**

**Explanation**

There is no entry in `/etc/vfs` for the file system name specified.

**Action**

Edit `/etc/vfs` to add an entry with this file system name. Then, run the command again.

---

**HSTMO0028E** Mount point *mount\_point* or file-system type *file\_system\_type* does not exist. The call to `mount()` failed with error number `ENODEV` before calling the SAN File System driver.

**Explanation**

You attempted to mount a file system, but either the mount point or the file system type you specified does not exist.

**Action**

Attempt to mount a file system again, specifying a mount point and a file system type that exists. Alternatively, you can add a file system type to your system. To add a file system type, load the SAN File System driver kernel extension using the `stfsdriver` command.

---

**HSTMO0029E** The call to `vmount()` failed with a parameter not valid error (error number `EINVAL`) before calling the SAN File System driver or before the driver identified the message buffer in the mount parameters.

**Explanation**

You attempted to mount a file system, but one or more parameters are not valid.

**Action**

Specify valid parameters, and attempt to mount a file system again.

---

**HSTMO0030E** The call to `vmount()` failed with error number *error\_number* (*error\_text*) before calling the SAN File System driver.

**Explanation**

This error can occur for several reasons, such as:

- Calling process does not have requisite authority.
- The mount table of the kernel is full.
- An internal error is in the file system.
- An attempt was made to mount SAN File System instance without loading the driver.

**Action**

View the syslogs for errors that might be related to this problem. Contact your service representative.

---

**HSTMO0031E** The call to `vmount()` failed with error number *error\_number* (*error\_text*). The SAN File System driver completed the mount successfully.

**Explanation**

The `vmount` system call failed after SAN File System driver successfully mounted. The error message associated with the failure appears.

**Action**

View the syslogs for errors that might be related to this problem. If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTMO0032E** The call to `mount()` failed due to errors detected by the SAN File System driver. The `vmount()` error number is *error\_number* (*error\_text*) and the SAN File System driver response is: *driver\_error\_text*

**Explanation**

The `vmount` system call failed because the SAN File System driver was unsuccessfully mounted. The error message associated with the failure appears.

**Action**

This error might occur for several reasons, such as specifying an incorrect virtual client or the specified mount point is not a directory. View the syslogs for errors that might be related to this problem. If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTMO0033E** Could not allocate *allocation\_size* bytes for the `vmount` structure.

**Explanation**

`Malloc()` for allocating a `vmount` structure failed. This error could happen for reasons such as:

- Too many mounts on the system
- Insufficient memory available on the system

**Action**

View the error messages and syslogs that might be related to this problem and take appropriate action. Contact your service representative.

---

**HSTMO0034E Internal error. There is a mismatch in the vmount structure size calculation.**

**Explanation**

This error is caused by an internal error in SAN File System.

**Action**

Contact your service representative.

---

**HSTMO0035E The file-system type is unknown (*error\_text*).**

**Explanation**

This error can happen for reasons such as an incorrect entry in `/etc/vfs`.

**Action**

Edit `/etc/vfs` to make suitable entries, and then run this command again.

---

**HSTMO0036E Could not mount SAN File System over directory *directory\_name* from the SAN File System virtual client *virtual\_client\_name* as a file system of type *file\_system\_type* in *access\_mode* mode (*error\_text*).**

**Explanation**

This error can occur for several reasons, such as:

- An internal error in SAN File System
- Insufficient memory
- I/O errors

**Action**

View the syslogs and error messages and take appropriate actions. Contact your service representative.

---

**HSTMO0037I Mounted SAN File System over directory *directory\_name* from the SAN File System virtual client *virtual\_client\_name* as a file system of type *file-system\_type* in *access\_mode* mode. The *vfsnumber* for the file system image is *virtual\_file\_system\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0038E Internal error. The call to `format_text()` failed in `main()`.**

**Explanation**

One possible reason for this failure is insufficient memory for `malloc()`.

**Action**

View the error message and take appropriate action.

---

**HSTMO0039E The call to `statfs()` failed with the error number *error\_number* (*error\_text*) after successful mount. The reported *vfsnumber* might not be correct.**

**Explanation**

This error can occur for several reasons, such as:

- An internal error in SAN File System
- I/O errors

**Action**

View the syslogs and error messages and take appropriate actions. Contact your service representative.

---

**HSTST0002E You must identify the filesystem driver using the `-kmname` parameter.**

**Explanation**

For the `stfsstatus` command, you must specify the kernel extension name (`-kmname` parameter).

**Action**

Run the `stfsstatus` command again, specifying the kernel extension name as a parameter.

---

**HSTST0003E Program does not take any arguments. You specified *number\_of\_arguments***

**Explanation**

You specified additional arguments for the command that takes only one argument.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, specify only the SAN File System kernel extension name as an argument.

---

**HSTST0006E System call failed without calling the SAN File System driver.****Explanation**

This message indicates that an internal error occurred, and the system call failed before it reached the file system driver.

**Action**

View the error log and syslog for error messages that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTST0007E SAN File System driver response is *driver\_error\_text*.****Explanation**

This message indicates that an error occurred while trying to get the status of the file system driver. The error message associated with this failure appears.

**Action**

If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTST0008E The command `sysconfig(SYS_CFGKMOD)` fails with error number *error\_number* (*error\_text*). *additonal\_error\_text*.****Explanation**

This message indicates that an error occurred while trying to get the status of the file system driver. The error number associated with this failure appears.

**Action**

If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTST0009E Could not determine the SAN File System driver instance (*error\_text*).****Explanation**

An error occurred when trying to find the SAN File System driver instance using the kernel extension name specified. The error associated with this failure appears.

**Action**

If you specified an incorrect kernel extension name, retry the command with the correct name. If the kernel extension name is correct and you still encounter this error, view the error log and syslog for error messages that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTST0010E Could not obtain file system driver status on *kmid=kernel\_extension\_identifier (error\_text)*.**

**Explanation**

This message indicates that an error occurred while trying to get the status of the file system driver. The error message associated with this failure appears.

**Action**

View the error log and syslog for error messages that might relate to this problem. If the error messages do not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTST0011E SAN File System version: *version\_number*.**

**Explanation**

This message displays the SAN File system version number.

**Action**

No action required.

---

**HSTUM0001E To identify what you want to unmount, you must specify the *-mountpoint* or *-vfsnumberspec* parameter, or you must specify the mount point as an argument.**

**Explanation**

If you run the command without either the *mountpoint* or *vfsnumberspec* option, specify at least the mount point you want to unmount as an argument.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, retry the command with the path of the mount point you want to unmount.

---

**HSTUM0002E You can specify only one parameter. You specified *number\_of\_parameters*.**

**Explanation**

You specified additional arguments for the *stfsumount* command.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. Specify either the *mountpoint* or the *vfsnumber* option and its argument.

---

**HSTUM0003E** The call to `uvmount()` returns error number *error\_number* (*error\_text*).

**Explanation**

This error can occur due to one of several reasons, such as:

- Insufficient permissions to unmount the file system
- The resource is busy
- An internal error in SAN File System

**Action**

View the error messages and syslogs for errors that might be related to this error and take appropriate action.

---

**HSTUM0004E** Cannot determine what needs to be unmounted (*error\_text*).

**Explanation**

This error can occur because a wrong mount point was specified to the `stfsumount` program.

**Action**

Determine the correct SAN File System mount point. You can use the `mount` command to determine the set of mounted file systems, and then specify the correct mount point to `stfsumount`.

---

**HSTUM0005E** Could not unmount file system image with `vfsnumber` *vfs\_number* (*error\_text*.)

**Explanation**

This error can occur due to one of several reasons, such as:

- Insufficient permissions to unmount the file system
- Resource is busy.
- An internal error in SAN File System.

**Action**

View the error messages and syslogs for errors that might be related to this error and take appropriate action.

---

**HSTUM0006W** Forcefully unmounted the file system image with `vfsnumber` *vfs\_number*.

**Explanation**

This message indicates that the mount point successfully unmounted. The unmount was performed with the `FORCE` option.



**Action**

No action required.

---

**HSTUM0007I Unmounted the file system image with vfsnumber**  
*vfs\_number*

**Explanation**

This message indicates that the mount point successfully unmounted.

**Action**

No action required.



---

## Chapter 3. Linux client messages

This section provides the messages that can be generated by Linux SAN File System clients.

---

**HSTIC0003E The existing SAN File System client package cannot be upgraded to this version. No changes will be made. To override and upgrade anyway, run: touch /usr/tank/client/.IGNORE\_VERS**

### Explanation

The installation script first verifies that the upgrade path is supported by comparing the INTERFACE value in /usr/tank/client/VERSION with the version being installed. If the difference between these values is greater than 1, the new package will not communicate with the metadata server. The file /usr/tank/server/.IGNORE\_VERS can be created to force the upgrade.

### Action

Before upgrading to this level, an intermediate upgrade is required. Contact your service representative to determine the supported upgrade path.

---

**HSTIC0006E No SAN File System client processes are running, but the module is loaded.**

### Explanation

No running client processes were found, but the kernel module is loaded. This message indicates that the client was not stopped cleanly or that the module was loaded manually.

### Action

To unload the module, run the rmmod command.

---

**HSTIC0007E Failed to create a symbolic link from /usr/tank/codeset to /usr/tank/client/codeset.**

### Explanation

The /usr/tank/codeset symbolic link needs to be set for language support. If the link does not exist, messages will not display correctly.

### Action

Verify /usr/tank has write permission.

---

**HSTIC0008E Failed to remove the /usr/tank/codeset symbolic link.****Explanation**

The /usr/tank/codeset symbolic link is removed by the rpm scripts. Removal of this link is part of the cleanup operation. Its failure should not cause any harm.

**Action**

Verify /usr/tank has write permission.

---

**HSTIC0009E Failed to recreate the /usr/tank/codeset symbolic link.****Explanation**

Both the client and the server use the /usr/tank/codeset symbolic link. If the client is removed and the server is also installed on the system, the /usr/tank/codeset symbolic link must be set to /usr/tank/server/codeset.

**Action**

Verify /usr/tank has write permission.

---

**HSTIC0010E This package cannot be modified while the SAN File System client is running. To stop the SAN File System client, run: /usr/tank/client/bin/rmstclient****Explanation**

The SAN File System client package cannot be upgraded or removed while the SAN File System client is active.

**Action**

Execute /usr/tank/client/bin/rmstclient to stop the client.

---

**HSTIC0011I Starting the SAN File System client.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIC0012E The command /usr/tank/client/bin/setupstclient -noprompt failed.****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTIC0013I Run /usr/tank/client/bin/setupstclient -prompt**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTIC0014E The command /usr/tank/client/bin/setupstclient does not exist.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTIC0015I Shutting down SAN File System client.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTIC0016E The command /usr/tank/client/bin/rmstclient -noprompt failed.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIC0017E The command /usr/tank/client/bin/rmstclient does not exist.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIC0018I The SAN File System client is running.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIC0019I The SAN File System client is stopped.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIC0021I Any messages below regarding errors in the removal of files in /etc/rc.d can be ignored.**

**Explanation**

The upgrade of the Linux client RPM from Version 2.1 to Version 2.2 will yield these errors:

```
removal of /etc/rc.d/rc6.d/K77stfsclient failed: No such file or directory
removal of /etc/rc.d/rc5.d/S23stfsclient failed: No such file or directory
removal of /etc/rc.d/rc4.d/S23stfsclient failed: No such file or directory
removal of /etc/rc.d/rc3.d/S23stfsclient failed: No such file or directory
removal of /etc/rc.d/rc2.d/S23stfsclient failed: No such file or directory
removal of /etc/rc.d/rc1.d/K77stfsclient failed: No such file or directory
removal of /etc/rc.d/rc0.d/K77stfsclient failed: No such file or directory
```

**Action**

You can ignore these messages in the Explanation section; they are expected.

---

**HSTIC0022E Failed to create a symbolic link from /usr/tank/libHBAAPI.so to /usr/tank/client/bin/libHBAAPI.so.**

**Explanation**

The /usr/tank/libHBAAPI.so symbolic link needs to be set for HBA support. If the link does not exist, WWNN and WWNN will not be displayed correctly.

**Action**

Verify /usr/tank has write permission.

---

**HSTIC0023E Failed to remove the /usr/tank/libHBAAPI.so symbolic link.**

**Explanation**

The /usr/tank/libHBAAPI.so symbolic link is removed by the rpm scripts. Removal of this link is part of the clean-up operation. Its failure should not cause harm.

**Action**

Verify /usr/tank has write permission.

---

**HSTIC0024E Failed to recreate the /usr/tank/libHBAAPI.so symbolic link.**

**Explanation**

Both the client and the server use the /usr/tank/libHBAAPI.so symbolic link. If the client is removed and the server is also installed on the system, the /usr/tank/libHBAAPI.so symbolic link must be set to /usr/tank/server/bin/libHBAAPI.so.

**Action**

Verify /usr/tank has write permission.

---

**HSTIC0025E This package cannot be modified while the SAN File System kernel module is loaded. To unload the kernel module run: /usr/tank/client/bin/rmstclient**

**Explanation**

The SAN File System client package cannot be upgraded while the SAN File System kernel module is loaded.

**Action**

Execute /usr/tank/client/bin/rmstclient to unload the module.

---

**HSTCL0001E No value exists for dir= in the -devices parameter value.**

**Explanation**

You have not specified a directory for the -devices=dir option.

**Action**

Specify a valid directory that contains the block devices to be used as SAN File System data volumes.

---

**HSTCL0002E Directory *directory\_name* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0003E No value exists for pat= in the -devices parameter value.**

**Explanation**

You have not specified a pattern for the -devices=pat option.

**Action**

Specify a valid pattern that selects the block devices you want to use as SAN File System data volumes. For example, to use all scsi disks, specify -devices=pat=/dev/sd\*[a-z]

---

**HSTCL0004E The value *parameter\_value* for -devices parameter is not recognized. It should be dir=dirname, pat=pattern, none, or default.**

**Explanation**

You have specified an invalid value for the -devices option.

**Action**

The valid values for -devices option are -devices=dir=dirname, -devices=pat=pattern, -devices="none", and -devices="default", where 'dirname' is a directory containing the device special files and 'pattern' is a simple regular expression that selects the appropriate device special files. Examples:

```
-devices=dir=/dev/sfsdisks/  
-devices=pat=/dev/sd*[a-z]
```



---

**HSTCL0005E** The value *parameter\_value* for **-devices** parameter is not recognized. It should be **-devices={dir=dir|pat=pattern|none|default}**.

**Explanation**

The value you specified for the **-devices** parameter is not a recognized value.

**Action**

Specify a valid value for the **-devices** parameter. For example, you can specify **-devices=dir=dirname**, **-devices=pat=pattern**, **-devices=none**, or **-devices=default**.

---

**HSTCL0006W** You did not specify a client name parameter and the host name is unknown, so it cannot be used as a default. The call **gethostbyname()** returned: *error\_number (error\_text)*. The client name will be **stfsclient**.

**Explanation**

You have not specified a client name, and the host name is unknown.

**Action**

Because you have not specified a client name and the host name is unknown, SAN File System will attempt to create a client with the default name of "stfsclient".

To override the default client name, explicitly specify a client name or set the host name of this system. Refer to **hostname(1)** manpage for details on setting the host name. If you set the host name of the system and want that host name to take effect or if you want to specify a client name, you must destroy and recreate the client.

---

**HSTCL0007E** You did not specify a client name parameter and the host name is unknown so it cannot be used as a default. The call **gethostbyname()** returned: *error\_number (error\_text)*.

**Explanation**

If no client name is specified, then it defaults to the host name. However, in this case the host name was also not set.

**Action**

Either specify the client name, or use **SMIT** to set the host name, and rerun this command to pick up the default hostname.

---

**HSTCL0008E You cannot specify both the -create parameter and the -destroy parameter in the same command.**

**Explanation**

On a single stfsclient command, you can specify either the -create parameter or the -destroy parameter. However, you cannot specify both parameters on the same stfsclient command.

**Action**

If you want to create one virtual client and destroy another virtual client, you will have to run the stfsclient command twice. Run it once with the -create parameter specified, and once with -destroy parameter specified.

---

**HSTCL0009E You can specify -create, -destroy, or -query, but you can specify only one of these parameters.**

**Explanation**

On a single stfsclient command, you must only specify one of these parameters: -create, -destroy, or -query.

**Action**

Run the stfsclient command multiple times, each time specifying -create, -destroy, or -query. Do not attempt to specify more than one of these parameters on a single stfsclient command.

---

**HSTCL0010E At a minimum, you must specify the SAN File System metadata server name as a parameter with the -create parameter.**

**Explanation**

You attempted to create a virtual client using the stfsclient command, but you did not specify a virtual client name. You must specify a virtual client name for the -create parameter.

**Action**

Make sure that you specify a virtual client name when you run the stfsclient command with the -create parameter.

---

**HSTCL0011E A -create parameter uses a maximum of two parameter values: client name and metadata server name. You specified *parameter\_values*.**

**Explanation**

When you specify the -create parameter, you can specify the client name of the virtual client you want to create and the name of the metadata server that will host the client. You specified too many parameter values for the -create parameter.

### Action

Run the stfsclient command again, this time specifying only the client name and metadata server name for the -create parameter.

---

**HSTCL0012E The client name parameter cannot be longer than *valid\_name\_length* characters. You specified *name\_length* characters.**

### Explanation

The client name you specified for the -create parameter is too long.

### Action

Run the stfsclient command again, this time specifying a client name that is no longer than the valid name length.

---

**HSTCL0013E The -devices parameter value is not valid (*parameter\_value*).**

### Explanation

The value you specified for the -devices parameter is not valid.

### Action

Run the stfsclient command again, this time specifying a valid value for the -devices parameter. The syntax for the -devices parameter is  
-devices={dir=dir | pat=pattern | none | default}

For example, you can specify -devices=dir=dirname, -devices=pat=pattern, -devices=none, or -devices=default.

---

**HSTCL0014E The -nettype parameter must be TCP or UDP. You specified *parameter\_value*.**

### Explanation

The value you specified for the -nettype parameter is not valid.

### Action

Run the stfsclient command again, this time specifying either TCP or UDP for the -nettype parameter.

---

**HSTCL0015E The -stfserror parameter must be log, freezefs, or systemhalt. You specified *parameter\_value*.**

### Explanation

The value you specified for the -stfserror parameter is not valid.

### **Action**

Run the stfsclient command again, this time specifying log, freezefs, or systemhalt for the -stfserror parameter.

---

## **HSTCL0016E You cannot specify both the -devices parameter and the -destroy parameter on the same command.**

### **Explanation**

On a single stfsclient command, you cannot specify the -devices parameter if you specify the -destroy parameter.

### **Action**

Run the stfsclient command with the -destroy parameter again. This time, omit the -devices parameter.

---

## **HSTCL0017E You cannot specify both the -nettype parameter and the -destroy command on the same command.**

### **Explanation**

On a single stfsclient command, you cannot specify the -nettype parameter if you specify the -destroy parameter.

### **Action**

Run the stfsclient command with the -destroy parameter again. This time, omit the -nettype parameter.

---

## **HSTCL0018E You cannot specify the -stfserror parameter and the -destroy parameter on the same command.**

### **Explanation**

On a single stfsclient command, you cannot specify the -stfserror parameter if you specify the -destroy parameter.

### **Action**

Run the stfsclient command with the -destroy parameter again. This time, omit the -stfserror parameter.

---

## **HSTCL0019E You cannot specify the -maxpageops parameter and the -destroy parameter on the same command.**

### **Explanation**

On a single stfsclient command, you cannot specify the -maxpageops parameter if you specify the -destroy parameter.

### Action

Run the stfsclient command with the -destroy parameter again. This time, omit the -maxpageops parameter.

---

**HSTCL0020E There is only one value allowed with the -destroy parameter. You specified *parameter\_values*.**

### Explanation

For the -destroy parameter, you can only specify one value, the name of an existing virtual client to be destroyed.

### Action

Run the stfsclient command with the -destroy parameter again. This time, specify only the client name as a parameter value.

---

**HSTCL0021E You cannot specify the -devices parameter and the -query parameter on the same command.**

### Explanation

On a single stfsclient command, you cannot specify the -devices parameter if you specify the -query parameter.

### Action

Run the stfsclient command with the -query parameter again. This time, omit the -devices parameter.

---

**HSTCL0022E You cannot specify the -nettype parameter and the -query parameter on the same command.**

### Explanation

On a single stfsclient command, you cannot specify the -nettype parameter if you specify the -query parameter.

### Action

Run the stfsclient command with the -query parameter again. This time, omit the -nettype parameter.

---

**HSTCL0023E You cannot specify the -stfserror parameter and the -query parameter on the same command.**

### Explanation

On a single stfsclient command, you cannot specify the -stfserror parameter if you specify the -query parameter.

### Action

Run the stfsclient command with the -query parameter again. This time, omit the -stfserror parameter.

---

**HSTCL0024E You cannot specify the -maxpageops parameter and the -query parameter on the same command.**

### Explanation

On a single stfsclient command, you cannot specify the -maxpageops parameter if you specify the -query parameter.

### Action

Run the stfsclient command with the -query parameter again. This time, omit the -maxpageops parameter.

---

**HSTCL0025E There are no parameter values for the -query parameter. You specified *parameter\_values*.**

### Explanation

You specified a value for the -query parameter. However, the -query parameter does not take a value.

### Action

Run the stfsclient command with the -query parameter again. This time, do not specify a value for the -query parameter.

---

**HSTCL0026E You must specify either the -create parameter or the -destroy parameter, but not both on the same command.**

### Explanation

On a single stfsclient command, you must specify either the -create parameter or the -destroy parameter. However, you cannot specify both parameters on the same stfsclient command.

### Action

Specify either the -create parameter or the -destroy parameter on the stfsclient command.

---

**HSTCL0027E Port number, the text displayed after the colon (:) in the metadata server specification, is not a simple number. It is *port\_value*.**

### Explanation

You have specified an invalid port number for the SAN File System metadata server.

### Action

You must specify a numeric value for the port number, and this number must be same as the client port number specified while starting up the SAN File System metadata server.

---

## HSTCL0028E Could not resolve host name *host\_name*.

### Explanation

The SAN File System client program was unable to resolve the host name specified for the SAN File System metadata server.

### Action

Specify the fully qualified host name (for example, host name and domain name) of the system on which the SAN File System metadata server is running. Also, ensure that your DNS settings are correct. Refer to host name and domainname man pages for more information.

---

## HSTCL0029E Could not allocate memory to store IP addresses.

### Explanation

There is not enough memory left to perform this operation.

### Action

Run this command again when more memory is available. For example, run it when some processes finish.

---

## HSTCL0030E The creation of client named *client\_name* for SAN File System metadata server at IP address *IP\_address*, port *port\_number* failed. The SAN File System driver response is *driver\_error\_text*.

### Explanation

Creation of the client failed.

### Action

Review the error message displayed by the file system driver and take appropriate action. If the problem persists contact your service representative for further assistance.

---

## HSTCL0031I The client named *client\_name* was created with client identifier *client\_ID* for SAN File System metadata server at IP address *ID\_address*, port *port\_number*.

### Explanation

The specified SAN File System was created successfully.

## Action

You can proceed to mount the client on a mount point.

---

**HSTCL0032E** The client named *client\_name* was created with client identifier *client\_ID* for SAN File System metadata server at IP address *ID\_address*, port *port\_number*. However, the client could not contact the SAN File System metadata server.

## Explanation

The specified client was created, but it could not contact the specified SAN File System metadata server.

## Action

Check to make sure that the metadata server name/IP address and metadata server port number specified match the host name/IP address of the SAN File System metadata server. Also make sure that the port number specified here matches the client port number specified when the SAN File System metadata server was started. Ensure that the SAN File System metadata server is up and running.

This could also happen if there are any network problems such as:

- Intermittent network failures
- Incorrect DNS entries
- Failed Network interfaces

---

**HSTCL0033E** Could not resolve metadata server specification *server\_specification (error\_text)*.

## Explanation

The specified host name, IP address, or port number SAN File System metadata server could not be resolved.

## Action

This could be either because the specified host name/IP address or port number of the metadata server are incorrect, or because the system is running low on memory.

Check to make sure that the specified host name/IP address of matches the host name/IP address of metadata server. Also check that the specified port number corresponds to the client port number specified while starting the metadata server.

If the system is running low on memory, wait until some memory becomes available or terminate some unnecessary applications.



---

**HSTCL0034E Could not open control file *file\_name*. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program was unable to open the control file used to communicate with the SAN File System driver.

**Action**

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by checking output of `/sbin/lsmmod`. If the driver is not loaded, use `/sbin/insmod` to load it and then run the `stfsclient` program.

If the SAN File System driver is indeed loaded, the system might be running low on memory. If so, wait until some memory becomes available or terminate any unnecessary applications. Then unload and re-load the SAN File System driver and create the `stfsclient`.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0035E An error occurred while converting the network address to presentation form. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program encountered an error while converting the network address.

**Action**

This could be either because the specified host name/IP address or port number of the metadata server are incorrect, or because the system is running low on memory.

Check to make sure that the specified host name/IP address matches the host name/IP address of metadata server. Also check that the specified port number corresponds to the client port number specified while starting the metadata server.

If the system is running low on memory, wait until some additional memory is available, or terminate any unnecessary applications.

If the reported error number is `ENOSPC` or `EAFNOSUPPORT`, it indicates that the client program encountered an internal error. Contact your service representative for further assistance.

---

**HSTCL0036E An error occurred while writing a command to *file\_name*. The error number is *error\_number* (*error\_text*).**

**Explanation**

The SAN File System client program was unable to open the control file used to communicate with the file system driver.

## Action

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by checking output of `/sbin/lsmmod`. If the driver is not loaded, load the driver and then run the `stfsclient` program to create a client.

If the SAN File System driver is loaded, the system might be running low on memory. If so, wait for some memory to become available, and unload and re-load the file system driver module. If the problem persists, contact your service representative for further assistance.

---

**HSTCL0037E An error occurred while writing a command to *file\_name*. No error number was returned, but only *actual\_number\_of\_bytes* of *possible\_number\_of\_bytes* bytes were written.**

## Explanation

The SAN File System client program was unable to complete a write to the control file used to communicate with the SAN File System driver.

## Action

The system might be running low on memory. If so, wait for some memory to become available and unload and re-load the file system driver module.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0038E Could not contact the metadata server on IP address *IP\_address*. Attempting to contact metadata server using another IP address.**

## Explanation

This problem might occur either because host name, IP address, or port number of the SAN File System metadata server are incorrect or there were network problems such as:

- Intermittent network failures
- Incorrect DNS entries
- Failed Network interfaces

## Action

View the system error reports for errors related to this problem. Solve the problem or contact your service representative for further assistance.

---

**HSTCL0039E Could not destroy client *client\_name* (*error\_text*).**

## Explanation

The SAN File System client program was unable to destroy the specified client.

## Action

This could be because the specified client does not exist, or because the system is running low on memory. Check to make sure that the SAN File System driver is loaded and that the specified client exists.

If the specified client exists, the system might be running low on memory. If so, wait until some memory becomes available, or terminate any unnecessary applications. Then run the command to destroy the client again.

If the problem persists, contact your service representative for further assistance.

---

## HSTCL0040E Could not destroy client. File system driver response is *driver\_error\_text*.

### Explanation

The SAN File System client program was unable to destroy the specified client.

### Action

Refer to the additional information displayed with this message. Some of the common reasons for being unable to destroy the client are:

- The specified client does not exist.
- There are active file system images on this client.
- The system is running low on memory.

If there are active file system images on this client, unmount them before destroying the client.

If the system is running low on memory, wait until some memory becomes available, or terminate any unnecessary applications. Then run the command to destroy the client again.

If the problem persists, contact your service representative for further assistance.

---

## HSTCL0041E Could not query clients. (*error\_text*).

### Explanation

This error can occur for a variety of reasons, such as:

- Insufficient memory
- Too many SAN File System virtual clients in the system
- An error in SAN File System kernel extension

### Action

View the error message and syslogs for errors that might be related to this problem.

---

**HSTCL0042I Client *client\_name* destroyed.****Explanation**

The specified client was successfully destroyed.

**Action**

If this is the last SAN File System client, you can proceed to unload the module. Or if necessary, you can re-create the SAN File System client with the same name again.

---

**HSTCL0043E The client was created, but no disk candidates were established. Therefore, you will be unable to read or write any file data (*error\_text*). To establish candidates now, use the `stfsdisk` command.****Explanation**

The virtual client was created successfully. However, there are no SAN File System volumes (disks) defined for the client to access.

**Action**

Run the `stfsdisk` command to define the disks that this virtual client can access.

---

**HSTCL0044I There are no SAN File System virtual clients.****Explanation**

There are currently no SAN File System virtual clients in the system. However, there is a kernel extension with the specified path name.

**Action**

Create SAN File System virtual clients and repeat this command to view the list of virtual clients.

---

**HSTCL0045E The proc file *file\_name* could not be opened. The error number is *error\_number* (*error\_text*).****Explanation**

The SAN File System client program was unable to open the disk control file used to communicate with the SAN File System disk configuration thread.

**Action**

Check to make sure that the SAN File System driver is loaded into the kernel. You can do this by viewing the output of `/sbin/lsmmod`. If the driver is not loaded, load it and then run the `stfsclient` program.

If the SAN File System driver is loaded, the system might be running low on memory. If so, wait until some memory becomes available, or terminate any unnecessary applications. Then unload and re-load the SAN File System driver and create the stfsclient.

If the problem persists, contact your service representative for further assistance.

---

**HSTCL0046E The call `stat(file_name)` failed. The error number is `error_number` (`error_text`).**

**Explanation**

The `stat(2)` system call failed on the specified file/device.

**Action**

Check to make sure that the specified file/device is valid and that you have sufficient privileges to access the file/device.

---

**HSTCL0047E File `file_name` is not a block-device special file.**

**Explanation**

The device specified for use as a SAN File System data volume, is not a block device.

**Action**

Make sure that the device specified for use as SAN File System data volume is a block device.

---

**HSTCL0048E File `file_name` is a block-device special file. SAN File System requires raw devices, which are character-device special files. A typical raw disk device name is `/dev/rhdisk0`.**

**Explanation**

Raw special files in the `/dev` directory typically have permission bits of `crw-----`. Block special files in the `/dev` directory typically have permission bits set to `brw-----`. SAN File System requires raw special files on which it will store data.

**Action**

Specify raw special files devices and run the command again.

---

**HSTCL0049E File `file_name` is not a device special file.**

**Explanation**

You need to specify a raw disk device. Raw devices in the `/dev` directory typically have permission bits of `crw-----`. SAN File System requires raw devices on which it will store data.

**Action**

Specify raw disk devices and run the command again.

---

**HSTCL0050W Ignoring entry *directory\_entry* in directory *directory\_name* (*error\_text*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0051E Could not open directory *directory\_name*. The error number is *error\_number* (*error\_text*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0052E Could not allocate memory for *devnoArray*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0053E Could not allocate memory for *deviceNameArray*.**

**Explanation**

There is not enough memory remaining to perform this operation.

**Action**

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

**HSTCL0054E Could not allocate memory for *editBuffer*.**

**Explanation**

There is not enough memory remaining to perform this operation.

### Action

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

## **HSTCL0055E Could not determine the current working directory (*error\_text*).**

### Explanation

getcwd() could fail for any one of a variety of reasons such as:

- Read or search permission was denied for a portion of the path name.
- Insufficient memory.

### Action

View the error message for clues to the problem and take corrective action.

---

## **HSTCL0056E Could not determine the current working directory. The call to getcwd() returns error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0057E Could not change the current working directory to *directory\_name*. The call to chdir() returns the error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0058E Could not find file names matching pattern *file\_name\_pattern* in directory *directory\_name*. The call to glob() could not open a directory.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0059E** Not enough memory to construct the list of file names that match pattern *file\_name\_pattern* in directory *directory\_name*.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0060E** Could not find file names matching pattern *file\_name\_pattern* in directory *directory\_name*. The call to `glob()` returned an unknown return code *error\_number* (*error\_text*).

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0061E** An error occurred while adding a candidate after *candidate\_name* was successfully added. (*error\_text*).

### Explanation

There was probably an internal error in the kernel extension that caused this failure, and that resulted in the inability to add this disk candidate.

### Action

View the syslog for errors related to this problem. If that does not help resolve the issue, consult the "Maintenance and Problem Determination Guide" for suggestions.

---

**HSTCL0062E** Could not allocate *number\_of\_bytes* bytes for a write buffer.

### Explanation

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0063E Could not write to the proc file. The error number is *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0064E Only *actual\_number\_of\_characters* out of the *possible\_number\_of\_characters* characters were written to the proc file.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0065E Cannot open disk candidate proc file (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0066E The value for `deviceSet.deviceSetType` *device\_set\_type\_value* is not valid.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0067E Could not compute the device number list (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0068I Establishing *candidate\_list* candidate SAN File System user data disk devices.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0069E Could not establish disk candidate list. (*error\_text*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0071E You must identify the file system driver instance you want to control using the *-kmname* parameter.****Explanation**

You specified the *-kmname* parameter, but you did not specify the kernel-extension name.

**Action**

Specify the kernel-extension name for the *-kmname* parameter.

---

**HSTCL0072E An error occurred from *sysconfig(SYS\_QUERYLOAD)* while trying to find the kernel extension named *kernel\_extension\_name*. The error number is *error\_number* (*error\_text*).****Explanation**

*Sysconfig()* failed because of an internal error in the Kernel Extension.

### Action

View the syslog messages that might be related to this error and take appropriate action. Contact your service representative for further assistance.

---

## **HSTCL0073E There is no kernel extension named *kernel\_extension\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0074E The system call failed before calling the SAN File System driver.**

### Explanation

This failure might have occurred because of an internal error.

### Action

View the syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

## **HSTCL0075E The system call failed with error number *error\_number* (*error\_text*). The SAN File System driver created the client successfully.**

### Explanation

This failure might have occurred because of an internal error.

### Action

View the syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

## **HSTCL0076E The SAN File System driver response is *driver\_error\_text***

### Explanation

This failure might have occurred because of an internal error. It could also occur because of an incorrect parameter like a null client name.

### Action

View the error messages and the syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTCL0077E** The call `sysconfig(SYS_CFGKMOD)` failed with error number `error_number` (`error_text`). `additional_error_text`.

**Explanation**

This failure might have occurred because of an internal error. It could also be a result of an incorrect parameter like a null client name.

**Action**

View the error messages and syslog for errors that might be related to this problem. Contact your service representative for further assistance.

---

**HSTCL0078E** The system call failed without calling SAN File System driver.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0079E** The system call failed with error number `error_number` (`error_text`). The SAN File System driver destroyed the client successfully.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0080E** SAN File System driver response is `driver_error_text`.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0081E** The call `sysconfig(SYS_CFGKMOD)` failed with error number `error_number` (`error_text`). `additional_error_text`.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0082E** Could not determine the SAN File System driver instance. (`error_text`).

**Explanation**

The specified SAN File System driver instance was not found. There might not be a SAN File System driver instance loaded.

**Action**

Use the `genkex` command to verify that the SAN File System driver instance is loaded. Run this command again, specifying that SAN File System driver instance.

---

**HSTCL0083E** Internal error. The network address is not valid.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0084E** Could not create a client named `client_name` on the metadata server on port `port_number` of IP address `IP_address` (`error_text`).

**Explanation**

This error could have occurred for a variety of reasons, such as:

- A client name is too long.
- A client name is NULL.

**Action**

View the syslog messages for errors that might be related to this problem. Make appropriate changes to correct this problem.

---

**HSTCL0085E Could not create a client named *client\_name* for metadata server *server\_name* (*error\_text*).**

**Explanation**

This error could occur for a variety of reasons including internal errors.

**Action**

View the error messages and syslogs and make appropriate changes to correct this problem.

---

**HSTCL0086I Created a client with the client identifier *client\_identifier*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0087E Created a client with the client identifier *client\_identifier*. However, the client could not contact the metadata server.**

**Explanation**

This problem could occur either because the host name, IP address, or port number of the SAN File System metadata server are incorrect, or there were network problems such as:

- Intermittent network failures
- Incorrect DNS entries
- Failed network interfaces

**Action**

View the system error reports for errors related to this problem. Solve the problem or contact your service representative for further assistance.

---

**HSTCL0088E Could not allocate memory for current working directory.**

**Explanation**

There is not enough memory remaining to perform this operation.

**Action**

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

**HSTCL0089E** The call to `getcwd()` failed with the error number *error\_number* (*error\_text*).

**Explanation**

`getcwd()` could fail for any one of a variety of reasons such as:

- Read or search permission was denied for a portion of the path name.
- Insufficient memory.

**Action**

View the error message for clues to the problem and take corrective action.

---

**HSTCL0100E** Could not allocate memory for client names.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0101E** Too many new clients were created.

**Explanation**

There is not enough memory remaining to perform this operation.

**Action**

Run this command again when more memory is available, for example when some of the currently running applications have finished.

---

**HSTCL0102E** The converter specified by the `-converter` parameter is not recognized.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0103E** You must specify the name of the International Components for Unicode (ICU) converter function for the client program by using the `-converter` option. Refer to the Administrator's Guide and Reference for more information.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0104E** Address value *pointer\_address* is not valid.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0105E** An error occurred from `sysconfig(SYS_QUERYLOAD)` while trying to find the kernel extension loaded from file *file\_name*. The error number is *error\_number* (*error\_text*).

**Explanation**

`Sysconfig()` failed because of an internal error in the Kernel Extension.

**Action**

View the syslog messages that might be related to this error and take appropriate action. Contact your service representative for further assistance.

---

**HSTCL0106E** No kernel extension is loaded from file *file\_name*.

**Explanation**

The specified kernel extension is not loaded.

**Action**

Use the `genkex` command to determine the name of the kernel extension. Run this command again with that name.



---

**HSTCL0107E** There is no device named *fstype*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0108E** The device file named *module\_device* is not a block device. The error number is *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0109E** Failed to make block device named *module\_device*. The error number is *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0110E** Failed to issue *ioctl* for device named *module\_device*. The error number is *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCL0111E** Failed to unlink device named *module\_device*. The error number is *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCL0112E Specifying *dir=/dev* for the *-devices* option is currently not supported.**

### Explanation

You must specify a directory that contains only the block device nodes or symbolic links to block device nodes that you want to use as the SAN File System data volumes.

### Action

Specify a valid directory that contains the block devices to be used as SAN File System data volumes.

---

## **HSTCO0001E Number *number* is not valid.**

### Explanation

You entered an invalid character in a string representing an integer value.

### Action

Structure the string representing the decimal number to contain a string of digits (0 to 9).

---

## **HSTCO0002E Number *integer\_number* passed as an argument to parameter *parameter\_name* is out of range.**

### Explanation

You specified a value that is not valid for the parameter type. The parameter in error appears in the error message.

### Action

Rerun the command specifying a value that is valid for the integer parameter.

---

## **HSTCO0003E Floating point number *number* is not valid.**

### Explanation

You entered an invalid character in a string representing a floating point value.

### Action

Structure the string representing the floating point number to contain (in order) an optional sign, a string of digits optionally containing a radix character, an optional "e" or "E", and then an optionally signed integer.

---

**HSTCO0004E Floating point number *number* passed as an argument to parameter *parameter\_name* is out of range.**

**Explanation**

You entered a value that is out of range for a floating point value. The parameter in error appears in the error message.

**Action**

Rerun the command specifying a value that is in range for a floating point value.

---

**HSTCO0005E Address value *pointer\_address* is not valid.**

**Explanation**

OBSOLETE/NOT USED You have specified an invalid value for a pointer address.

**Action**

Rerun the command specifying a valid value for the pointer address.

---

**HSTCO0006E Shhopt internal error: Value is not valid for the parameter type: *parameter\_type*.**

**Explanation**

You specified an invalid value for a parameter type.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command specifying a value that conforms to the parameter type.

---

**HSTCO0007E Unrecognized parameter *parameter\_name*.**

**Explanation**

You specified an option that is not recognized or supported.

**Action**

Look at the command help to identify the valid options and arguments. Retry the command with only the allowable combination of options and arguments.

---

**HSTCO0008E Parameter *parameter\_name* requires an argument.**

**Explanation**

You did not specify an argument for an option that requires an argument.

**Action**

Look at the command help to identify all the valid options and arguments. Some options require arguments and some do not. Retry the command specifying an

argument for the option specified in the error message.

---

**HSTCO0009E Parameter *parameter\_name* does not allow an argument.****Explanation**

The parameter does not allow an argument.

**Action**

Look at the command help to identify all the valid options and arguments. Some options require arguments and some do not. Remove the unrequired argument from the option specified in the error message.

---

**HSTCO0010E Unrecognized parameter *-parameter\_name*.****Explanation**

You entered an option that is not recognized.

**Action**

Look at the command help to identify all the valid options and arguments. Remove the unrecognized option and rerun the command.

---

**HSTCO0011E Could not allocate space for new-format option table.****Explanation**

There was a failure trying to allocate memory while parsing options for the command. This failure might occur because the system is low on memory.

**Action**

Retry the command after identifying and correcting the reason for the memory shortage.

---

**HSTCO0012E Ambiguous parameter *-parameter\_name*.****Explanation**

You entered an option string that does not clearly identify a specific option.

**Action**

Look at the command help to identify all the valid options and arguments. If you entered an incomplete option string, identify the minimum number of characters to make it unambiguous. Correct the option string to make it unambiguous and rerun the command.

---

**HSTMO0001E At a minimum, you must specify the mount point (directory) as a parameter.**

**Explanation**

You attempted to run the command without any arguments. The command needs at least the mount point to be passed as an argument.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the command specifying at least the mount point as an argument.

---

**HSTMO0002E There are a maximum of two parameters for this command. You specified *number\_of\_parameters*.**

**Explanation**

You attempted to run the command with more than two arguments. The command takes a maximum of two arguments, the client name and the mount point.

**Action**

Look at the command help to identify all the valid options and their arguments. Retry the command with only the allowable combination of options and their valid arguments. In this case, rerun the command specifying only the client name and the mount point as arguments.

---

**HSTMO0003E The call to mount() was interrupted by a SIGINT signal.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0004E Mount point *mount\_point\_name* or file-system type *file\_system\_type* does not exist. View /proc/filesystems to determine the existing file systems. Refer to the message help for adding a file-system type. The call to mount() failed with error number ENODEV before calling the SAN File System driver.**

**Explanation**

You attempted to mount a file system, but either the mount point or the file system type does not exist. View /proc/filesystems to determine the existing file systems.

### Action

Attempt to mount a different file system or add the file system type to the list of existing file system types.

To add a file system type, insert it in `/proc/filesystems`. For example, in a Linux environment, insert the SAN File System driver LKM using the `insmod` command.

---

**HSTMO0005E The call to mount() failed with error number *error\_number* (*error\_text*) before calling the SAN File System driver.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0006E The call to mount() failed with error number *error\_number* (*error\_text*) even though the SAN File System driver completed the mount successfully.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0007E The call to mount() failed due to errors detected by the SAN File System driver. The mount() error number is *error\_number* (*error\_text*) and the SAN File System driver response is: *driver\_error\_text*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0008E Interrupted by a SIGINT signal while trying to open lock file *file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0009E Lock file *file\_name* already exists. Another client currently holds the lock.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0010E The call `open(file_name)` failed with error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0011E Could not open `/etc/mtab` to add an entry to it. Interrupted by a SIGINT signal.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0012E Could not open `/etc/mtab` to add an entry to it. The call to `fopen()` returned error number *error\_number* (*error\_text*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0013E** Could not mount SAN File System client *client\_name* of file-system type *file\_system\_type* over directory *directory\_name* in *access\_mode* mode. The call to mount() failed with the error: *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0014E** Could not add entry to /etc/mtab. The call to open the mtab file failed: (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0015I** Mounted SAN File System client *client\_name* of file-system type *file\_system\_type* over directory *directory\_name* in *access\_mode* mode.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0016E** Could not open the list of standin devices *file\_name*. The call to fopen() failed with error number *error\_number* (*error\_text*).

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTMO0017E** A line of *stdin\_line* has an unexpected format: *line\_format*. The format must be two numbers and a string.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0018E** There are no unused *stdin* devices for the *file\_system\_type* file-system type.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0019E** The search for unused *stdin* device number failed. The reason for the failure is: *error\_text*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0020E** Could not create the device special file *file\_name*. The call to `mknod()` failed with error number *error\_number* (*error\_text*)

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0021E Could not acquire lock for updating /etc/mtab. The error number is *error\_text*. Specify the **-nomtab** parameter.**

**Explanation**

When you attempt to mount a file system, a record of that mount is included in /etc/mtab. The system could not obtain a lock on /etc/mtab and cannot update the file. This situation caused the mount to fail.

**Action**

Attempt to mount the file system again. This time, use the **-nomtab** parameter to specify that the mount is not to be recorded in /etc/mtab.

---

**HSTMO0022E Could not acquire lock for allocating a SAN File System standin block device. *lock\_error\_text*. Specify the **-standindevice** parameter.**

**Explanation**

When you attempt to mount a file system and you do not specify the **-standindevice** parameter, the system attempts to use an unused standin block device. It creates a temporary block device-specific file for the standin block device and adds the name of the temporary file to the Linux mount table. It creates the file in the directory defined by the TMPDIR environment variable or /tmp if TMPDIR is not defined.

**Action**

Attempt to mount the file system again. This time, use the **-standindevice** parameter to specify the device-specific file name of the standin block device for the global file system image.

---

**HSTMO0023E Could not create a unique standin block device for the new file system image. *error\_text*. Specify the **-standindevice** option.**

**Explanation**

When you attempt to mount a file system and do not specify the **-standindevice** parameter, the system attempts to use an unused standin block device. It creates a temporary block device-specific file for the standin block device and adds the name of the temporary file to the Linux mount table. It creates the file in the directory defined by the TMPDIR environment variable or /tmp if TMPDIR is not defined.

**Action**

Attempt to mount the file system again. This time, use the **-standindevice** parameter to specify the device-specific file name of the standin block device for the global file system image.

---

**HSTMO0024E Internal Error. The call `format_text()` failed in the call `fatal()`.**

**Explanation**

One possible reason for this error is insufficient memory.

**Action**

View the error message and take appropriate steps.

---

**HSTMO0025E Specify either the `-fstypename` parameter or the `-fstypenum` parameter, but not both on the same command.**

**Explanation**

When you attempt to mount a file system, specify either the name of the file system type to use for the file system driver instance (`-fstypename`) or the number that identifies the file system type for the file system driver instance (`-fstypenum`). You cannot specify both.

**Action**

Attempt to mount the file system again. This time, specify either `-fstypename` or `-fstypenum`; do not specify both.

---

**HSTMO0026E At a minimum, specify the mount point as a parameter.**

**Explanation**

When you attempt to mount a file system, specify the mount point that you want to mount.

**Action**

Attempt to mount the file system again. This time, specify either `-fstypename` or `-fstypenum`; do not specify both.

---

**HSTMO0027E Could not find a virtual file system entry for file-system type *file\_system\_type* in `/etc/vfs`.**

**Explanation**

There is no entry in `/etc/vfs` for the file system name specified.

**Action**

Edit `/etc/vfs` to add an entry with this file system name. Then, run the command again.

---

**HSTMO0028E Mount point *mount\_point* or file-system type *file\_system\_type* does not exist. The call to `mount()` failed with error number `ENODEV` before calling the SAN File System driver.**

**Explanation**

You attempted to mount a file system, but either the mount point or the file system type you specified does not exist.

**Action**

Attempt to mount a file system again, specifying a mount point and a file system type that exists. Alternatively, you can add a file system type to your system. To add a file system type, load the SAN File System driver kernel extension using the `stfsdriver` command.

---

**HSTMO0029E The call to `vmount()` failed with a parameter not valid error (error number `EINVAL`) before calling the SAN File System driver or before the driver identified the message buffer in the mount parameters.**

**Explanation**

You attempted to mount a file system, but one or more parameters are not valid.

**Action**

Specify valid parameters, and attempt to mount a file system again.

---

**HSTMO0030E The call to `vmount()` failed with error number *error\_number* (*error\_text*) before calling the SAN File System driver.**

**Explanation**

This error can occur for several reasons, such as:

- Calling process does not have requisite authority.
- The mount table of the kernel is full.
- An internal error is in the file system.
- An attempt was made to mount SAN File System instance without loading the driver.

**Action**

View the syslogs for errors that might be related to this problem. Contact your service representative.

---

**HSTMO0031E** The call to `vmount()` failed with error number *error\_number* (*error\_text*). The SAN File System driver completed the mount successfully.

**Explanation**

The `vmount` system call failed after SAN File System driver successfully mounted. The error message associated with the failure appears.

**Action**

View the syslogs for errors that might be related to this problem. If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTMO0032E** The call to `mount()` failed due to errors detected by the SAN File System driver. The `vmount()` error number is *error\_number* (*error\_text*) and the SAN File System driver response is: *driver\_error\_text*

**Explanation**

The `vmount` system call failed because the SAN File System driver was unsuccessfully mounted. The error message associated with the failure appears.

**Action**

This error might occur for several reasons, such as specifying an incorrect virtual client or the specified mount point is not a directory. View the syslogs for errors that might be related to this problem. If the error message does not give reasonable indication on how to correct the error, contact your service representative.

---

**HSTMO0033E** Could not allocate *allocation\_size* bytes for the `vmount` structure.

**Explanation**

`Malloc()` for allocating a `vmount` structure failed. This error could happen for reasons such as:

- Too many mounts on the system
- Insufficient memory available on the system

**Action**

View the error messages and syslogs that might be related to this problem and take appropriate action. Contact your service representative.

---

**HSTMO0034E Internal error. There is a mismatch in the vmount structure size calculation.**

**Explanation**

This error is caused by an internal error in SAN File System.

**Action**

Contact your service representative.

---

**HSTMO0035E The file-system type is unknown (*error\_text*).**

**Explanation**

This error can happen for reasons such as an incorrect entry in `/etc/vfs`.

**Action**

Edit `/etc/vfs` to make suitable entries, and then run this command again.

---

**HSTMO0036E Could not mount SAN File System over directory *directory\_name* from the SAN File System virtual client *virtual\_client\_name* as a file system of type *file\_system\_type* in *access\_mode* mode (*error\_text*).**

**Explanation**

This error can occur for several reasons, such as:

- An internal error in SAN File System
- Insufficient memory
- I/O errors

**Action**

View the syslogs and error messages and take appropriate actions. Contact your service representative.

---

**HSTMO0037I Mounted SAN File System over directory *directory\_name* from the SAN File System virtual client *virtual\_client\_name* as a file system of type *file-system\_type* in *access\_mode* mode. The *vfsnumber* for the file system image is *virtual\_file\_system\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMO0038E Internal error. The call to `format_text()` failed in `main()`.**

**Explanation**

One possible reason for this failure is insufficient memory for `malloc()`.

**Action**

View the error message and take appropriate action.

---

**HSTMO0039E The call to `statfs()` failed with the error number *error\_number* (*error\_text*) after successful mount. The reported `vfsnumber` might not be correct.**

**Explanation**

This error can occur for several reasons, such as:

- An internal error in SAN File System
- I/O errors

**Action**

View the syslogs and error messages and take appropriate actions. Contact your service representative.





---

## Chapter 4. Solaris client messages

This section provides the messages that can be generated by Solaris SAN File System clients.

---

**HSTIR0001I Run the command `/usr/tank/client/bin/setupstclient -prompt` to configure and start the client.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTIR0002I This package can not be removed while the SAN File System client is running.**

**Explanation**

The SAN File System client package can not be removed while the SAN File System client is active.

**Action**

Unmount the SAN File System.

---

**HSTSD0001E Usage: `program_name -instance <path> -device <device pattern> <path> - a mount point or a pseudo device path <device> - path and pattern for the list of candidate disks`**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSD0002E Failed to open the device, `device_name`, returned, `return_code`.**

**Explanation**

The attempt to open the pseudo device through which the Flexible SAN daemon receives requests failed.

**Action**

Call your IBM support representative.

---

**HSTSD0003E Failed to initialize LUN discovery library, returned *return\_code*.**

**Explanation**

The initialization function for the Host LUN Discovery library failed.

**Action**

Call your IBM support representative.

---

**HSTSD0004E Failed to start child process.**

**Explanation**

The call to start a child process failed.

**Action**

Call your IBM support representative.

---

**HSTSL0001I Usage: *program\_name* <-s> <-f> -d device name**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSL0002E *program\_name*: Disk name required.**

**Explanation**

You must enter a disk name on the command line.

**Action**

Run the program again with a disk name specified.

---

**HSTSL0003E *program\_name*: Must be run with root privileges.**

**Explanation**

The labellun program requires root privileges to complete its tasks.

### Action

Use the UNIX su command to obtain root permissions and run the command again.

---

**HSTSL0004I Device, *disk\_name*, appears to be in use. No label will be written.**

### Explanation

The disk name provided is already included in an entry in the /etc/mnttab or /etc/vfstab file.

### Action

Ensure that you provided the correct disk name.

---

**HSTSL0005I Device, *disk\_name*, has an existing label.**

### Explanation

The disk name you provided already contains a Solaris disk label.

### Action

If you want to overwrite the existing Solaris disk label, answer Yes at the prompt that asks if you want to continue the label-writing tasks. Otherwise, answer No at the continuation prompt.

---

**HSTSL0006I Failed to write default label, *disk\_name*, status *cmd\_status*.**

### Explanation

The command to create the default Solaris disk label failed with the indicated status.

### Action

Call your IBM support representative.

---

**HSTSL0007I Failed to read the label from disk, /dev/rdisk/*disk\_name*, status *cmd\_status*.**

### Explanation

The command to read the Solaris disk label failed with the indicated status.

### Action

Call your IBM support representative.

---

**HSTSL0008I Failed to create single partition, status *cmd\_status*.****Explanation**

The attempt to make the Solaris disk label contain only a single partition failed with the indicated status.

**Action**

Call your IBM support representative.

---

**HSTSL0009I Disk, *disk\_name*, was successfully labeled.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSO0001I Usage: mount <device> <mount\_point> <device> - is of the form <server>[:<cluster>] <mount\_point> - is the full or relative path name of an existing directory.\ Use the -o option to define data specific to SAN File System.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSO0002E Invalid option, *option\_value*, ignored.****Explanation**

One of the options provided on the command line is not acceptable to the program.

**Action**

Use the help option (-help) to see a listing of valid command-line options.

---

**HSTSO0003E Insufficient number of parameters.****Explanation**

A required command-line parameter was not provided.

**Action**

Use the help option (-help) to see a description of required command-line options.

---

**HSTSO0004E Metadata server name or mount directory missing.****Explanation**

Either the metadata server name or the mount directory were missing from the mount program command line.

**Action**

Provide the missing parameter and run the mount command again.

---

**HSTSO0005E Mount point, *mount\_point*, is not a directory.****Explanation**

The mount point provided to the mount program must be a full or relative path to a directory in the local file system.

**Action**

Ensure the path you provided as a mount point is a directory in the local file system.

---

**HSTSO0006E Memory allocation failure.****Explanation**

An attempt to allocate memory within the mount program failed.

**Action**

Run the program again. If the failure persists, the system might be low on available memory. Stop the execution of any unnecessary processes, and run the program again.

---

**HSTSO0007E Unable to convert metadata server name to valid address.****Explanation**

The metadata server name provided on the command line could not be converted into a valid IP address.

**Action**

Ensure that the metadata server name you provided is the correct master metadata server name.

---

**HSTSO0008E Failed to mount, *device\_name*, ( *server\_name* ) on, *mount\_point*, error *error\_number*.**

**Explanation**

The call to the mount(2) function failed, returning the indicated error.

**Action**

Ensure that you have UNIX root permissions. If you do not, use the UNIX su command to obtain root permissions and run the command again. If you have root permissions and the command still fails, call your IBM support representative.

---

**HSTSO0009E Process creation failed, error *error\_code*,**

**Explanation**

The attempt to start the sanfsd daemon failed with the indicated error.

**Action**

Ensure that you have UNIX root permissions, and verify that there are not large numbers of processes running. This operation might fail because the system has reached its limit on the number of running processes.

---

**HSTSO0010E Flexible SAN daemon failed to start, error *error\_code*.**

**Explanation**

The sanfsd daemon process could not start. Ensure that the sanfsd program exists. It should be located in the directory: /usr/tank/client/bin/sanfsd.

**Action**

There might be a problem with the sanfsd file, or the system might have too many processes running. Verify the existence of the sanfsd file, and ensure that the system is not running too many processes.

---

**HSTSO0011E Failed to load and configure the SAN File System kernel module, error *error\_code*.**

**Explanation**

The action by the mount command to ensure that SAN File System is correctly initialized failed.

**Action**

Call your IBM support representative.

---

**HSTSO0012E All mount attempts failed.****Explanation**

All attempts to mount the SAN File System client with all of the metadata servers provided to the mount program have failed.

**Action**

Ensure that the SAN File System metadata server cluster is running and can be reached from the client.

---

**HSTSO0013I The SAN File System mount option, *option\_name*, is unrecognized, or is missing a required value. It will be ignored.****Explanation**

One of the arguments provided using the -o option is not recognized by the mount command, or is valid but is missing its required argument.

**Action**

Verify that you have entered all options correctly. Refer to the product documentation to obtain the correct spelling of all mount options. For those options that require a value, be sure you are providing a value.

---

**HSTSO0014E Failed to obtain device name, returned, *return\_code*.****Explanation**

The mount program was unable to obtain the name of the pseudo device that corresponds to the provided mount point from the system.

**Action**

Call your IBM support representative.

---

**HSTSO0015E Device not created.****Explanation**

The mount command timed out while waiting for the system to create the pseudo device that corresponds to the provided mount point.

**Action**

The system might be busy. Run the command again.

---

**HSTSO0016E** The converter specified by the `converter=` parameter is not recognized. It will be ignored.

**Explanation**

The mount command could not validate the specified localization string converter. It will ignore the option and proceed with the mount without specifying any converter to the server.

**Action**

Unmount the file system and run the command again specifying the correct localization string converter name. Or use the mount as it is without any localization string conversions.

---

**HSTSO0017E** The client name parameter cannot be longer than *valid\_name\_length* characters. You specified *name\_length* characters.

**Explanation**

The client name you specified for the `-create` parameter is too long.

**Action**

Run the `stfsclient` command again, this time specifying a client name that is no longer than the valid name length.

---

**HSTSP0001E** Invalid command, *option\_value*.

**Explanation**

The command entered is not one of the valid commands accepted by the program.

**Action**

Ensure that the command is valid. Use the help option (`-help`) to view all valid commands.

---

**HSTSP0002E** Insufficient number of parameters.

**Explanation**

One of the arguments required by the program was not entered.

**Action**

Use the help option (`-help`) to determine which parameter is missing.

---

**HSTSP0003E** Memory allocation failure.

**Explanation**

An attempt to allocate memory within the program failed.



### Action

Run the program again. If the failure persists, the system might be low on available memory. Stop executing unnecessary processes, and run the program again.

---

**HSTSP0004I Invalid trace level, *invalid\_trace\_level*, valid values are 0 to *valid\_trace\_level*.**

### Explanation

The trace level entered on the command line is outside of the acceptable range of values.

### Action

Run the program again using a valid value for the trace level.

---

**HSTSP0005I Corresponding trace classes will be ignored.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSP0006I Length of, *invalid\_length*, is greater than the maximum size of *max\_length*. It will be ignored.**

### Explanation

The length of the name entry displayed in the message exceeds the maximum length permitted.

### Action

Shorten the entry and run the program again.

---

**HSTSP0007I More than *max\_entries* names were entered, excess entries are ignored.**

### Explanation

A single, delimited list contains more entries than the program can accept.

### Action

Separate the list items into two or more smaller lists and run the program again.

---

**HSTSP0008E Function failed returning, *return\_code*, with system error, *error\_code*.**

**Explanation**

A call to the library function used to execute the requested action failed.

**Action**

Call your IBM support representative.

---

**HSTSP0009E Failed to get *trace\_component* trace values. Command returned, *return\_code*, with system error, *error\_code*.**

**Explanation**

The function call to obtain the current trace values failed with the indicated errors.

**Action**

Call your IBM support representative.

---

**HSTSP0010E Missing required argument.**

**Explanation**

An argument required for the requested command is missing.

**Action**

Use the help option (-help) to view all required arguments for each command. Verify that the command you are entering includes all necessary arguments.

---

**HSTSP0011I Missing -level argument.**

**Explanation**

The -level argument that is required to adjust the level of the trace classes provided is missing from the command line.

**Action**

Run the command again and include the -level option.

---

**HSTSP0012I Invalid data name, *data\_name*, ignored.**

**Explanation**

The name entered is not recognized by the program.

**Action**

Use the appropriate -list option to view all valid names, and run the program again with the correct data name.

---

**HSTSP0013E Failed to set *trace\_component* trace values. Command returned, *return\_code*, with system error, (*error\_code*).**

**Explanation**

The function call to set the trace values failed with the indicated errors.

**Action**

Call your IBM support representative.

---

**HSTSP0014E Internal error, invalid opflag *invalid\_option\_flag*.**

**Explanation**

A function internal to the sanfs\_ctl program encountered an error.

**Action**

Call your IBM support representative.

---

**HSTSP0015I Multiple "-instance" arguments are not permitted. Only the first instance is used.**

**Explanation**

You specified more than one -instance option, but only one is allowed.

**Action**

Run the program again with a single -instance option.

---

**HSTSP0016I Invalid argument, *option\_value*, ignored.**

**Explanation**

One of the options entered on the command line is not valid.

**Action**

Use the help option (-help) to view a list of valid options.

---

**HSTSP0017I There are no disks currently available to *instance*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSP0018I Cannot convert host, *host\_name*, to a valid address.****Explanation**

The host identifier entered on the command line cannot be converted to a valid IP address.

**Action**

Ensure that the metadata server name or IP address that you entered is correct.

---

**HSTSP0019E Failed to obtain a socket, error, *error\_code*.****Explanation**

The program could not obtain a socket to the requested metadata server for gathering statistical data.

**Action**

Ensure that the metadata server identifier entered on the command line is correct. Also, verify that the socket value entered on the command line is correct. Finally, verify that the process is running.

---

**HSTSP0020I Failed to send statistical information, *error\_code*.****Explanation**

An attempt to send statistical data over a socket failed with the indicated error code.

**Action**

Ensure that the process to which the statistical data is being sent is running.

---

**HSTSP0021E Failed to obtain hostname, system error *error\_code*.****Explanation**

The function call that returns the host name of the system failed with the indicated error value.

**Action**

Call your IBM support representative.

---

**HSTSP0022E Failed to obtain network host information, system error *error\_code*.****Explanation**

The function call to obtain networking information about the host failed with the indicated error value.

**Action**

Call your IBM support representative.



---

## Chapter 5. Windows client messages

This section provides the messages that can be generated by Windows SAN File System clients.

---

### **HSTCW0001I SAN File System client started successfully.**

#### **Explanation**

The SAN File System client started successfully.

#### **Action**

No action is required.

---

### **HSTCW0002I SAN File System shut down successfully.**

#### **Explanation**

The SAN File System client shut down successfully.

#### **Action**

No action is required.

---

### **HSTCW0003E Could not open Registry value *registry\_value*.**

#### **Explanation**

This client was not able to open the Registry value *registry\_value*.

#### **Action**

Perform these actions to resolve the problem:

1. Use the Registry editor to make sure the Registry value exists.
2. Make sure that your user name has permission to read the Registry key in which the registry value is located. You can right-click on the Registry key from the Registry editor to determine the permissions for the key.
3. Contact your support representative.

---

### **HSTCW0004W Network type *network\_type* specified in Registry is not valid.**

#### **Explanation**

The network type for the SAN File System client must be either TCP or UDP. The network type currently defined in the Registry is not one of these values.

#### **Action**

Perform these actions to resolve the problem:

1. Edit the Registry key  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Service\STFS\Parameters  
using the Registry editor.
2. Change the value of the network type to be either TCP or UDP.
3. Shut down and restart the client.

---

**HSTCW0005I Network type is *network\_type*.****Explanation**

The current network type for this client is the value specified by *network\_type*. This value is specified during the installation of the SAN File System client.

**Action**

No action is required.

---

**HSTCW0008I SAN File System client connected to metadata server at IP address *ip\_address*.****Explanation**

This client is currently connected to the metadata server located at the listed IP address.

**Action**

No action is required.

---

**HSTCW0009E The SAN File System client is not able to connect to the metadata server at the IP address *ip\_address*.****Explanation**

This client cannot connect to the metadata server located at the listed IP address.

**Action**

Perform these actions to resolve the problem:

1. Make sure that the IP address is a valid address for a metadata server in the SAN File System cluster.
2. Make sure that the IP port is a valid port number for the metadata server in the SAN File System cluster.
3. Use the SAN File System console or the Administrative command-line interface to verify that the metadata server is active.
4. Wait a few minutes to see if you are having a temporary network problem.
5. Contact your support representative.

---

**HSTCW0011I Volume refresh succeeded.****Explanation**

The refresh of the SAN File System root volume completed successfully.



### Action

No action is required.

---

**HSTCW0012E Volume refresh failed. Next attempt will be in *number* seconds.**

### Explanation

The refresh of the SAN File System root volume failed. The client will attempt this refresh again in *number* seconds. This failure usually means that there is a problem with the metadata server.

### Action

Perform these actions to resolve the problem:

1. Make sure that the IP address is a valid address for the metadata server in the SAN File System cluster.
2. Make sure that the IP port is a valid port number for the metadata server in the SAN File System cluster.
3. Use the SAN File System console or the Administrative command-line interface to verify that the metadata server is active.
4. Wait a few minutes to see if you continue having the problem.
5. Contact your support representative.

---

**HSTCW0013E Volume refresh failed. Will attempt every *number* seconds.**

### Explanation

The refresh of the SAN File System root volume failed. The client will attempt this refresh every *number* seconds. If you see this message, the client has attempted the volume refresh at least 5 times.

### Action

Perform these actions to resolve the problem:

1. Make sure that the IP address is a valid address for the metadata server in the SAN File System cluster.
2. Make sure that the IP port is a valid port number for the metadata server in the SAN File System cluster.
3. Use the SAN File System console or the Administrative command-line interface to verify that the metadata server is active.
4. Contact your support representative.

---

**HSTCW0014E Error opening device *device\_name*. This device will not be used for SAN File System.**

### Explanation

The SAN File System cannot open the listed storage device. This message indicates that there may be a problem in the configuration of the listed storage device.

### Action

Make sure the storage device is configured properly. If the problem continues, contact your service representative.

---

**HSTCW0015E** Read operation failed with status *return\_code* due to bad host bus adapter while transferring *number* bytes from device *device\_name*.

### Explanation

The SAN File System cannot read data from the listed storage device.

### Action

Perform these actions to resolve the problem:

1. Wait a few minutes and attempt the operation again.
  2. Verify that the host bus adapter on the listed storage device is operating properly.
  3. Contact your support representative.
- 

**HSTCW0016E** Write operation failed with status *return\_code* due to bad host bus adapter while transferring *number* bytes to device *device\_name*.

### Explanation

The SAN File System cannot write data to the listed storage device.

### Action

Contact your support representative.

---

**HSTCW0017E** Read operation failed with status *return\_code* while transferring *number* bytes from device *device\_name*.

### Explanation

The SAN File System cannot read data from the listed storage device.

### Action

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0018E Write operation failed with status *return\_code* while transferring *number* bytes to device *device\_name*.**

**Explanation**

The SAN File System cannot write data to the listed storage device.

**Action**

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0019E Disk operation failed with status *return\_code* while reading *number* bytes from device *device\_name*.**

**Explanation**

The SAN File System cannot read data from the listed storage device.

**Action**

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0020E Disk operation failed with status *return\_code* while writing *number* bytes to device *device\_name*.**

**Explanation**

The SAN File System cannot write data to the listed storage device.

**Action**

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0021E Disk error with status *return\_code* occurred while reading *number* bytes from device *device\_name*.**

**Explanation**

The SAN File System cannot read data from the listed storage device.

**Action**

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0022E Disk error with status *return\_code* occurred while writing *number* bytes to device *device\_name*.**

**Explanation**

The SAN File System cannot write data to the listed storage device.

**Action**

Perform these actions to resolve the problem:

1. See your operating system documentation to determine the resolution for the listed system error message (*return\_code*).
2. Contact your support representative.

---

**HSTCW0024W No client name specified. Will use *default\_client\_name*.**

**Explanation**

The client setup utility was not able to find a client name, so it is using a default. This message can occur if you did not specify a client name during setup or the Registry has been corrupted.

**Action**

Perform these actions to resolve the problem:

1. Run the client setup utility again, specifying the Modify option.
2. Make sure that you specify a valid client name.
3. After setup is complete, reboot the client.

---

**HSTCW0025W Policy for critical error handling *policy\_name* specified in Registry is not valid.**

**Explanation**

The policy for handling critical errors is specified during setup and the default is Log. This message can occur if there is a failure during setup or the Registry has been corrupted.

**Action**

Perform these actions to resolve the problem:

1. Run the client setup utility again, specifying the Modify option.
2. Make sure that you specify a valid critical error handling policy or take the default.
3. After setup is complete, reboot the client.

---

**HSTCW0026I Policy for critical error handling is *policy\_name*.****Explanation**

The policy for handling critical errors specified during setup is *policy\_name*.

**Action**

No action is required.

---

**HSTCW0027I Client state manager notice: *return\_code*.****Explanation**

An internal error occurred in the client state manager.

**Action**

Contact your service representative.

---

**HSTCW0028W Client state manager warning: *return\_code*.****Explanation**

An internal error occurred in the client state manager.

**Action**

Contact your service representative.

---

**HSTCW0029E Client state manager error: *return\_code*.****Explanation**

An internal error occurred in the client state manager.

**Action**

Contact your service representative.

---

**HSTCW0030E Client state manager critical error: *return\_code*.****Explanation**

An internal error occurred in the client state manager.

**Action**

Contact your service representative.

---

**HSTCW0031I File system frozen because of previous error.****Explanation**

The SAN File System is frozen because of a previous error.

---

## Action

Perform these actions to resolve the problem:

1. Check the logs using the Event Viewer to view information about previous errors and attempt to resolve those errors.
2. Contact your service representative.

---

### **HSTCW0032I Client system halted because of previous error.**

#### Explanation

The SAN File System halted because of a previous error.

#### Action

Perform these actions to resolve the problem:

1. Check the logs using the Event Viewer to view information about previous errors and attempt to resolve those errors.
2. Contact your service representative.

---

### **HSTCW0033E File is not valid (cluster = *cluster\_name*, fileset = *fileset\_name*, object = *object\_name*, epoch = *epoch\_name*).**

#### Explanation

An internal error occurred.

#### Action

Contact your service representative.

---

### **HSTCW0034E Directory is not valid (cluster = *cluster\_name*, fileset = *fileset\_name*, object = *object\_name*, epoch = *epoch\_name*).**

#### Explanation

An internal error occurred.

#### Action

Contact your service representative.

---

### **HSTCW0035E Symbolic link is not valid (cluster = *cluster\_name*, fileset = *fileset\_name*, object = *object\_name*, epoch = *epoch\_name*).**

#### Explanation

An internal error occurred.

#### Action

Contact your service representative.

---

**HSTCW0036E Object type is not expected (cluster = *cluster\_name*, fileset = *fileset\_name*, object = *object\_name*, epoch = *epoch\_name*).**

**Explanation**

An internal error occurred.

**Action**

Contact your service representative.

---

**HSTCW0037W SAN File System client disk scan found no data disks.**

**Explanation**

The client periodically scans for data disks. A disk scan by the client found no data disks. This message can occur for the following reasons

- No data LUNs (volumes) have been added to the cluster. At least one data LUN must be present for the SAN File System to operate correctly.
- The client cannot access the LUNs in use by the cluster. This could indicate a configuration problem in the SAN.

**Action**

Contact your service representative.

---

**HSTCW0038E SAN File System client disk scan failed.**

**Explanation**

The client periodically scans for data disks. A disk scan by the client failed.

**Action**

Contact your service representative.

---

**HSTCW0039I SAN File System client disconnected from metadata server at IP address *ip\_address* .**

**Explanation**

The SAN File System client has disconnected. This message indicates that the metadata server is not active, which could be intentional or it could be the result of a network problem, a metadata server failure.

**Action**

Verify that the metadata server is supposed to be active. If so, contact your service representative.

---

**HSTCW0040W** Internal warning in the SAN File System client at line *line\_number* of file *file\_name*.

**Explanation**

The SAN File System client encountered an internal problem at the specified line of the specified file.

**Action**

Continue using the SAN File System, but contact your service representative.

---

**HSTCW0041E** Internal error in the SAN File System client at line *line\_number* of file *file\_name*.

**Explanation**

The SAN File System client encountered an internal critical error problem at the specified line of the specified file. Based on the configuration set in the Registry, the client may:

- Continue running.
- Freeze the file system, but continue running.
- Automatically restart.

**Action**

Contact your service representative.

---

**HSTCW0042I** Volume mounted by SAN File System client is at *drive\_letter*.

**Explanation**

The SAN File System drive was successfully mounted as the indicated drive letter.

**Action**

No action is required.

---

**HSTCW0043I** SAN File System client has mounted volume *volume\_name*.

**Explanation**

The SAN File System drive has successfully mounted the specified volume.

**Action**

No action is required.



---

**HSTCW0044E First part of client state manager critical error:**  
*message ...*

**Explanation**

The client state manager has encountered a critical error. The error text is too long to fit into a single message so the text is being broken into several messages. This is the first part of the message text.

**Action**

Contact your service representative.

---

**HSTCW0045E Next part of client state manager critical error:**  
*message ...*

**Explanation**

The client state manager has encountered a critical error. The error text was too long to fit into a single message so the text was broken into several messages. This is the middle part of the message text.

**Action**

Contact your service representative.

---

**HSTCW0046E Last part of client state manager critical error:**  
*message.*

**Explanation**

The client state manager has encountered a critical error. The error text was too long to fit into a single message so the text was broken into several messages. This is the final part of the message text.

**Action**

Contact your service representative.

---

**HSTCW0047I SAN File System Helper Service has started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0048I SAN File System Helper Service has stopped.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0049I SAN File System trace-collection session started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0050W SAN File System trace-collection session not started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0051E SAN File System trace-collection session failed to start.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0052I SAN File System CIFS share restoration successful.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCW0053E SAN File System CIFS share restoration failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMC0001E SfsMscsFlt!DriverEntry: Error creating control device object "device\_object", status=status\_value.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0002E SfsMscsFlt!DriverEntry: Error registering FS change notification, status=status\_value.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0003I SfsMscsFlt!SfsMscsFltFsNotification: %1 %2 "%3" (%4).****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0004I Activating file system.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0005I Deactivating file system.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0006E SfCreate: Allocate tempNameBuffer memory failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0007E SfCreate: Allocate DriveLetterBuffer memory failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0008E SFSMSCSFLT:SfCreate Cannot get VolumeDeviceToDosName.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0009E SFSMSCSFLT:SfCreate Cannot append DriveLetterPath.****Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTMC0010I Path is in the CRAT.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTMC0011I SfsMscsFlt!SfFsControlMountVolume Not attaching to Volume %1 "%2", shadow copy volume.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTMC0012E SfsMscsFlt!SfFsControlMountVolume: Error creating volume device object, status=*status\_value*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTMC0013E SfFsControlMountVolume: Allocate completionContext memory failed.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0014I SfsMscsFlt!SfFsControlMountVolume: VPB in IRP stack changed %1 IRPVPB=%2 VPB=%3.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0015I SfsMscsFlt!SfFsControlMountVolume Mount volume failure for %1 "%2", already attached.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0016I SfsMscsFlt!SfFsControlMountVolume: Mount volume failure for %1 "%2", status=*status\_value*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0017I SfsMscsFlt!SfAttachToMountedDevice: Attaching to volume %1 "%2".**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0018E : SFSMSCSFLT-SfReadDriverParameters : Cannot open Registry.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0019E SfInCRAT: Allocate wcTemp memory failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0020E SfInCRAT: Allocate TempCRATSubkeyNameBuffer memory failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0021E SfInCRAT: Append CRAT\_REGISTRY\_PATH failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0022E SfInCRAT: Append back slashes failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0023E SfInCRAT: Subkey name plus CRAT key is too large.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0024E SfInCRAT: Open CRAT subkey failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0025E SfInCRAT: Query CRAT subkey Path Name failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0026E SfInCRAT: Query CRAT subkey State failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0027E SfGetRootPathName: Allocate buffer memory failed.****Explanation**

No additional information is available for this message.



**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTMC0028I SfsMscsFlt.sys loaded.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 6. Metadata server messages

The following messages can be generated by metadata server components.

---

**HSTFC0001E Foundation Class Library: Available memory exceeded on request to allocate *size* bytes. Trace point *source\_file\_name-trace\_point*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFC0002E fcThread: Error *return\_code* occurred while starting thread.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFC0003E fcThread: Error *return\_code* occurred while setting per-thread anchor.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFC0004E fcThread: Error *return\_code* occurred while creating thread key.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFC0005E fcTimer: gettimer subroutine error.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFC0006E fcDaemon: Fatal error *error\_code* occurred.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGM0001E Global memory manager: Could not create global memory manager instance.****Explanation**

The SAN File System was unable to allocate sufficient memory to create an instance of the global memory manager.

**Action**

Determine the cause of insufficient memory and restart the engine.

---

**HSTGM0002E Global memory manager: Deallocated memory block with signature that was not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGM0003E Global memory manager: Deallocated memory block with arena number that was not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGM0004E Global memory manager: Block count is negative for arena *arena\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGM0005E Global memory manager: Byte count is negative for arena *arena\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGM0006E Global memory manager operator new: Available memory exceeded at trace point *source\_file\_name-trace\_point* on request to allocate *size* bytes.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTHS0001E** *program\_name*: Caught SIGsig. Removing temporary files and shutting down**Explanation**

The signal handler has been called to handle an incoming signal. Typically the user or another process has sent an INT or QUIT signal. The current temporary files are removed. The perl script is exited.

**Action**

Determine what caused the signal, and then run the script again.

---

**HSTHS0002E** Cannot open file *filename* for reading. *errmsg***Explanation**

The file specified for input could not be opened for reading. The input file is either the plan file or the rules file specified using the options --plan and --rule. Or the input file is a temporary file created in the /tmp directory.

**Action**

Check the following settings, and make the necessary corrections before executing the script again:

1. Check for the correct input filename specified on the command line.
2. Check for the correct permissions on the input file to allow read privileges by the user invoking the script.
3. Make sure that the script is being invoked by a user who is intended to have read permissions for the input file.
4. Make sure that the script is being invoked by a user with read/write permissions for the /tmp directory.

Run the script again.

---

**HSTHS0003E** Cannot open file *filename* for writing. *errmsg***Explanation**

The file specified for output could not be opened for writing. The output file is one of the following: a plan file specified on the command line with the --plan option; a temporary file in the /tmp directory; or a log file. Log files are written to the /usr/tank/admin/log directory unless the --log option is specified on the command line.

**Action**

Check the following settings, and make the necessary corrections before executing the script again:

1. Check for the correct plan file if --plan is specified.
2. Check for the correct output directory if --log is specified.

3. Check for the correct permissions on the output directories and /tmp to allow write privileges by the user invoking the script. The output directory permissions must allow the user to create a file for writing in the output directory.
4. Make sure that the script is being invoked by a user who is intended to have write permissions in the output directory.

Run the script again.

---

## HSTHS0004E

Usage: sfs1cm.pl {opts}  
Reads <rulesfile> and then migrates files out of source pools and into the target pools based on the rules.

Options:

--help	Print this message
--verbose	Print details of operations
--log <logdir>	Log execution of the script in <logdir>
--client <client>	Preferred client(s) to perform MVFILE commands
--rules <rulesfile>	Rules for generating plan
--plan <file>	
--phase {plan   execute}	

In 'plan' phase, plan is written to <file>.  
In 'execute' phase, plan is read from <file>.

### Explanation

The script was run with the --help option or no options specified on the command line. A list of all allowed options is shown and then script exits.

### Action

Select the proper command line options and run the script again.





---

## Chapter 7. HSTHS0005E "phase" option is required.

### Explanation

The --phase option must be specified on the command line. Use --phase=plan to generate a plan, --phase=execute to execute a plan, or specify both --phase options ("--phase=plan --phase=execute") on the command line to generate a plan and execute it.

### Action

Run the script again, specifying one or both --phase options.



---

## Chapter 8. HSTHS0006E Unknown "phase" option: *bad\_phases*

### **Explanation**

A --phase option other than 'plan' or 'execute' was specified.

### **Action**

Correct the --phase option and run the script again.



---

## Chapter 9. HSTHS0007E "rules" option is required for plan phase.

### **Explanation**

The --rules option must be specified when the script is run with --phase=plan.

### **Action**

Run the script again with the --rules option also given on the command line.



---

**Chapter 10. HSTHS0008E This was deleted but renumbering would be a problem.**

**Explanation**

Obsolete message.

**Action**

None





---

## Chapter 11. HSTHS0009I Beginning plan phase. Plan file is *planFilename*.

### **Explanation**

This message indicates that the script has detected a --phase=plan command line option and is preparing to generate a plan.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 12. HSTHS0010I Reading rules from file *rules\_filename*

### **Explanation**

This message indicates that the script will read from the rules file specified in the --rules command line option.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 13. HSTHS0011I Beginning to create plan for rules.

### **Explanation**

This message indicates that the script successfully read from the rules file, and it is now beginning to generate a plan.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 14. HSTHS0012I Running report of files in pool *pool*

### **Explanation**

This message indicates that the script is executing REPORTPOOLFILES for the given pool. A REPORTPOOLFILES command is run for each unique "FROM" pool found in the rules file.

### **Action**

This is an expected progress message. No action is necessary.





---

## Chapter 15. HSTHS0013W Pool *pool* was not found

### Explanation

A "FROM" pool that was specified in the rules file could not be found.

This message can occur when:

1. the pool name in the rules file contains a spelling error or a case mismatch
2. the pool has been removed from the system and the rules file has not been updated
3. the pool was entered in the rules file, but has not been created in the system.

This message is a warning message. The script will continue to generate a plan for any remaining "FROM" pools that were specified in the rules file.

### Action

Determine the root cause of the pool problem. If the problem was caused by a spelling error, correct the rules file and run the script again.



---

## Chapter 16. HSTHS0014W Incompatible operation found generating pool *pool* report.

### Explanation

The REPORTPOOLFILES command was unable to execute because the system was processing another command for a different process and/or user. The script will sleep for one minute and retry the command. If the command is unable to execute after 30 tries, the script will skip further operations on the pool and proceed to generate a plan for the remainder of the pools.

### Action

This is a normal message. No action is required. However, if this message occurs repeatedly, run the script when the server is less busy. You can also determine which incompatible operations the server is executing, and schedule operations accordingly.



---

## Chapter 17. HSTHS0015E Report file command failed.\n

Command: *command\_line*\n Result: *command\_output*

### Explanation

REPORTPOOLFILES exited with a fatal or unknown error code.

This error can happen if the server is not the master server.

### Action

Ensure that the script is run on the master server. If not, run the script again on the master server.

You can also diagnose and fix the error by examining the text of the command result.



---

## Chapter 18. HSTHS0016I Adding plan records for pool *pool*.

### **Explanation**

This message indicates that the script has obtained a report of the files in the pool, and is now generating a plan for the pool based on the rules in the rules file.

### **Action**

This is an expected progress message. No action is necessary.





---

## Chapter 19. HSTHS0017I Added *record\_count* records for pool *pool*.

### **Explanation**

This message indicates that the script has finished generating plan records for the given pool.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 20. HSTHS0018I Finished creating plan. *record\_count* records were created for *pool\_count* pools.

### Explanation

This message indicates that the script has finished generating plan records for all the "FROM" pools in the rules file.

### Action

This is an expected progress message. No action is necessary.



---

**Chapter 21. HSTHS0019E Syntax errors were found on or near these lines:**

**Explanation**

Syntax errors were found in the rules file.

**Action**

Correct the rules file and run the script again.



---

## Chapter 22. HSTHS0020I Rules summary: *pool\_count* pools were found in *rules\_filename*.

### Explanation

The script summarizes the rule that it found in the rules file. The total number of rules found prints. Then, a table showing pools identified as "FROM" pools and the number of rules they have prints.

This table can be used to determine the complexity of the rules file, and also to determine which pools will have their REPORTPOOLFILES inventory taken.

### Action

This is an expected progress message. No action is necessary.





---

## Chapter 23. HSTHS0021I Pool *pool* has *rules\_count* rules.

### **Explanation**

This is a companion message to HSTHS0020I.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 24. HSTHS0022I End of rules summary report.

### **Explanation**

This is a companion message to HSTHS0020I.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 25. HSTHS0023I End of plan phase.

### **Explanation**

This message indicates that the script has completed its generation of the plan. If --phase=execute was also specified on the command line and fatal errors were not encountered, the script will begin executing the generated plan. Otherwise, the script exits.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 26. HSTHS0024I Beginning execute phase.

### **Explanation**

This message indicates that the script has detected a --phase=execute command line option, and is preparing to execute a plan.

### **Action**

This is an expected progress message. No action is necessary.





---

## Chapter 27. HSTHS0025I Executing plan from *plan\_filename*.

### Explanation

This message indicates that the script will read from the plan file specified in the --plan command line option. If the script was invoked with both --phase=plan and --phase=execute specified, and no --plan option was specified, a temporary plan file is generated and read from.

### Action

This is an expected progress message. No action is necessary.



---

## Chapter 28. HSTHS0026I Beginning operations on pool *pool*, plan record *record\_number*.

### Explanation

This is an activity message that prints when the script first reads a record from the plan file, and also when the script reads a record with a different "FROM" pool than the preceding record.

The message can be used to estimate the progress of the plan execution and to estimate the remaining number of planned migrations and/or deletions.

### Action

This is an expected progress message. No action is necessary.



---

## **Chapter 29. HSTHS0027I End of operations on pool *pool*: *migrate* migrations, *delete* deletes, *errs* errors, *syntax* *syntax* errors, *skipped* operations skipped due to errors**

### **Explanation**

This is a companion message to HSTHS0026I. The script prints a brief summary of migration, deletion, and error counts. The counts of migrations and deletions are the number of migrations and deletions, respectively, that were attempted. Any failed migrations or deletions are also counted in the errors count.

The operations skipped count is the number of migrations and deletions that were not performed due to a prior error. Operations may be skipped because of errors in filesets, pools, or clients.

### **Action**

This is an expected progress message. No action is necessary.



---

## Chapter 30. HSTHS0028W Syntax error in plan record *record\_number*.

### Explanation

A badly formatted record was found in the plan. This problem might be due to

- an unknown operation (that is, not MIGRATE or DELETE) in the record
- a corrupt plan file
- an out of space condition on the disk
- a syntax error in the plan file

### Action

Follow these steps to correct the problem:

1. Open the plan with a text editor, and navigate to the indicated plan record.
2. View the record and determine the error.
3. Fix the source of the error.
4. Run the script again starting with `--phase=plan` to regenerate the plan file.





---

## Chapter 31. HSTHS0029W Record *record\_number* operation command *command\_line* failed: *command\_output*

### Explanation

The script encountered an unexpected error while executing an sfscli command. The executed command and command output prints.

### Action

Follow these steps to correct the problem:

1. Examine the command and its output.
2. Determine the cause of the error.
3. Fix the error.
4. Run the script again starting with `--phase=plan` to take into account any migration and deletion operations that were completed successfully.



---

## Chapter 32. HSTHS0030I End execute phase.

### **Explanation**

This message indicates the script has completed its execution of the plan.

### **Action**

This is an expected progress message. No action is necessary.



---

## **Chapter 33. HSTHS0031I There are no available clients to handle remaining plan records.**

### **Explanation**

This message indicates there are no clients to execute move plan records or all clients specified on the command line are unavailable.

### **Action**

Specify a list of clients and verify that they are connected to the metadata servers. You can confirm the connectivity status of clients through the administrative interface.



---

## Chapter 34. HSTHS0032I The temporary plan file *planFilename* has been deleted.

### Explanation

This message indicates a temporary plan file was used by the script. The file was deleted before exiting the script. A temporary file is useful when the plan and execute phase are run at the same time.

### Action

This is an expected progress message. No action is necessary.





---

## Chapter 35. HSTHS0033I A plan file must be specified.

### Explanation

This message indicates that you must specify a plan file unless both plan and execute phases are run at the same time. If plan and execute phases are run without a plan file, a temporary plan file is used. The temporary plan file is deleted when the script exits.

### Action

Run the script again with a `--plan planFileName` option.



---

## Chapter 36. HSTHS0034E *planFilename* doesn't exist or the IP address is not specified.

### Explanation

This message indicates that either the tank.properties file does not exist or it does not contain an IP=ipAddress directive.

### Action

Run the the /usr/tank/admin/bin/setupfs script to generate an appropriate tank.properties file.



---

## **Chapter 37. HSTHS0035E You don't have sufficient privileges to run this command.**

### **Explanation**

You need to have Admin privileges to use this command.

### **Action**

Ensure you are logged in as a user with sufficient privileges.



---

**Chapter 38. HSTIL0001E The existing metadata server cannot be upgraded to this version. No changes will be made. To override and force the upgrade, run: touch /usr/tank/server/.IGNORE\_VERS**

**Explanation**

The installation script first checks to determine if the upgrade path is supported by comparing the INTERFACE value in /usr/tank/server/VERSION with the version being installed. If the difference between these values is greater than 1, the new package will not be able to communicate with other metadata servers in the cluster. This is important during a non-disruptive upgrade. You can create the file /usr/tank/server/.IGNORE\_VERS to force the upgrade.

**Action**

Before upgrading to this level, an intermediate upgrade is required. Contact your service representative to determine the supported upgrade path.





---

## **Chapter 39. HSTIL0002E This package cannot be upgraded while the metadata server is running. No changes will be made.**

### **Explanation**

The metadata server package cannot be upgraded while the metadata server is running. The metadata server can be stopped using the administrative command-line interface or the administrative server. To override and force the upgrade, run:

```
touch /usr/tank/server/.IGNORE_SERVER_RUNNING
```

### **Action**

Stop the metadata server.



---

## **Chapter 40. HSTIL0003E This package cannot be removed while the metadata server is running. No changes will be made.**

### **Explanation**

The metadata server package cannot be removed while the metadata server is running. The metadata server can be stopped using the administrative command-line interface or the administrative server. To override and force the removal, run:

```
touch /usr/tank/server/.IGNORE_SERVER_RUNNING
```

### **Action**

Stop the metadata server.



---

## Chapter 41. HSTIL0004E Error: /usr/tank/server/VERSION does not exist.

### Explanation

The installation script first checks to determine if the upgrade path is supported by comparing the INTERFACE value in /usr/tank/admin/VERSION with the version being installed. You can create the file /usr/tank/server/.IGNORE\_VERS to force the upgrade.

### Action

Reinstall the metadata server.



---

## Chapter 42. HSTIL0005E Failed to create a symbolic link from /usr/tank/codeset to /usr/tank/server/codeset.

### Explanation

The /usr/tank/codeset symbolic link needs to be set for language support. If the link does not exist, messages will not be displayed correctly.

### Action

Verify /usr/tank has write permission.





---

## Chapter 43. HSTIL0006E Failed to remove the /usr/tank/codeset symbolic link.

### Explanation

The /usr/tank/codeset symbolic link is removed by the rpm scripts. Removal of this link is part of the cleanup operation. Its failure should not cause any problems.

### Action

Verify /usr/tank has write permission.



---

## Chapter 44. HSTIL0007E Failed to recreate the /usr/tank/codeset symbolic link.

### Explanation

Both the client and the metadata server use the /usr/tank/codeset symbolic link. If the metadata server is removed and the client is also installed on the system; the /usr/tank/codeset symbolic link needs to be set to /usr/tank/client/codeset.

### Action

Verify /usr/tank has write permission.



---

## Chapter 45. HSTIL0008E Halting the upgrade because /usr/tank/admin/bin/stopCimom failed.

### Explanation

The metadata server cannot be upgraded while the administrative agent is active. The rpm attempts to stop the administrative agent by running /usr/tank/admin/bin/stopCimom. If this operation fails, the upgrade cannot continue. After the package has been upgraded, the rpm restarts the administrative agent by running /usr/tank/admin/bin/startCimom.

### Action

Review the log files in /usr/tank/admin/log. Try running /usr/tank/admin/bin/stopCimom manually; if successful, proceed with the rpm upgrade. Once the rpm has been upgraded, run /usr/tank/admin/bin/startCimom. If you cannot resolve the problem after reviewing the log files or manually stopping the administrative agent, contact your service representative.



---

## Chapter 46. HSTIL0009W Could not restart the administrative agent.

### Explanation

The rpm failed to restart the administrative agent when running `/usr/tank/admin/bin/startCimom`.

### Action

Review the log files in `/usr/tank/admin/log`. Try running `/usr/tank/admin/bin/startCimom` manually; if successful, no further action is needed. If you cannot resolve the problem after reviewing the log files or manually starting the administrative agent, contact your service representative.





---

## Chapter 47. HSTIL0010E The Cim Agent is dependent on the metadata server binaries and must be stopped before removing this rpm. Execution of /usr/tank/admin/bin/stopCimom failed.

### Explanation

The Cim Agent is dependent on the metadata server binaries and must be stopped before removing this rpm. The rpm attempts to stop the administrative agent by running:

```
/usr/tank/admin/bin/stopCimom.
```

### Action

Review the log files in /usr/tank/admin/log. Try running /usr/tank/admin/bin/stopCimom manually; if successful, retry uninstalling the rpm. Once the rpm is removed, execute /usr/tank/admin/bin/startCimom to restart the administrative agent. If you cannot resolve the problem using the log or manually stopping the administrative agent, contact your service representative.



---

## Chapter 48. HSTIL0011E Failed to create a symbolic link from /usr/tank/libHBAAPI.so to /usr/tank/server/libHBAAPI.so.

### Explanation

The /usr/tank/libHBAAPI.so symbolic link needs to be set for HBA support. If the link does not exist, WWNN and WWPN will not be displayed correctly.

### Action

Verify /usr/tank has write permission.



---

## Chapter 49. HSTIL0012E Failed to remove the /usr/tank/libHBAAPI.so symbolic link.

### Explanation

The /usr/tank/libHBAAPI.so symbolic link is removed by the rpm scripts. Removal of this link is part of the clean-up operation. Its failure should not cause problems.

### Action

Verify /usr/tank has write permission.



---

## Chapter 50. HSTIL0013E Failed to recreate the /usr/tank/libHBAAPI.so symbolic link.

### Explanation

Both the client and the metadata server use the /usr/tank/libHBAAPI.so symbolic link. If the metadata server is removed and the client is also installed on the system, the /usr/tank/libHBAAPI.so symbolic link needs to be set to /usr/tank/client/libHBAAPI.so.

### Action

Verify /usr/tank has write permission.





---

## Chapter 51. HSTNL0001E ERROR: Cannot set TANKDIR.

### Explanation

The SAN File System could not set the TANKDIR environment variable using `setenv()`. This problem can occur if there is not enough space in the environment.

### Action

Perform these actions to resolve the problem:

1. Reduce the size of the environment. See the shell commands `unset()` and `unsetenv()`.
2. Restart the metadata server.



---

## Chapter 52. HSTNL0002E Error: The value specified for the TANKDIR environment variable (*TANKDIR\_value*) exceeds the maximum length (*maximum\_length*).

### Explanation

The value specified for the TANKDIR environment variable exceeds the allowed maximum length of *maximum\_length*.

### Action

Check the value of TANKDIR to determine if the length can be reduced to a length less than the maximum length. You might need to reinstall the SAN File System in a different directory.



---

**Chapter 53. HSTNL0003E Error: Could not initialize the logging and tracing facility. The error return code is *return\_code*.**

**Explanation**

The SAN File System logging and tracing facility could not be initialized. The error return code of the failed initializing routine is provided.

**Action**

Check the error return code to determine the cause of failure. Then, contact your service representative and provide the full text of the error message including the error return code.



---

## **Chapter 54. HSTNL0004E Error: Could not initialize the logical volume manager.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## **Chapter 55. HSTNL0005E Error: Could not configure global disk I/O manager devices.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 56. HSTNL0006E Error: Could not start Group Services. The return code is rc=*return\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 57. HSTNL0007E Error: Could not initialize to microkernel mode.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 58. HSTNL0008E Error: Could not reset the static cluster definition.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## **Chapter 59. HSTNL0009E The static cluster definition has been reset.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 60. HSTNL0010E Error: Could not read Tank.Bootstrap. Metadata server is not started.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 61. HSTNL0011E Device *device\_name* does not contain a valid product label.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 62. HSTNL0012E Error: Cannot read device *device\_name*, make sure the path is accurate, and that permissions have been set correctly.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## Chapter 63. HSTNL0013E Error: Device *device\_name*, is not a master disk.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 64. HSTNL0014E Error: Could not extract Tank.Bootstrap from device *device\_name*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 65. HSTNL0015E Label information from master disk *device\_name* was extracted and stored in Tank.Bootstrap.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 66. HSTNL0016E Could not initialize the SAN File System metadata server.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## **Chapter 67. HSTNL0017E The disk value is missing on the -device parameter.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 68. HSTNL0018E Unable to reset cluster when metadata server is running.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 69. HSTNL0019E Unable to extract boot record when metadata server is running.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 70. HSTNL0020E Unable to reset version information when the metadata server is running.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

**Chapter 71. HSTNL0021E Error: Could not initialize the logging and tracing facility because the log files are in use by another process. Make sure that the metadata server is not already running.**

**Explanation**

This error can occur if you try to start the SAN File System metadata server twice on the same machine.

**Action**

Verify that the SAN File System metadata server is not already running. Also, stop the existing process if it has not yet re-executed the metadata server start command.



---

## Chapter 72. HSTNL0022E Error: Unable to initialize the emergency dump target file, *dumpfile\_name*.

### Explanation

This error can occur if the dump file could not be created because one already exists and is open, or it cannot be deleted. Lack of disk space can also cause this problem.

### Action

If an existing dump file exists, delete it. Also make sure that there is sufficient space in the SAN File System log directory to create new files.



---

## Chapter 73. HSTNL0023E Error: Could not start LVM master services. The return code is *return\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 74. HSTNL0024E Error: Could not start start the metadata server in microkernel mode. The return code is *return\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## Chapter 75. HSTNL0025E Error: Could not write version control record. The return code is *return\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 76. HSTNL0026E Error: Volume not specified.

### **Explanation**

The command requires the ID of a volume to dump, but none was provided.

### **Action**

Run the command again and supply a volume ID.



---

## Chapter 77. HSTNL0027E Error: Could not open volume *vol\_id*. The return code is *return\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 78. HSTNL0028E Error: Could not open dump file *file*. The return code is *return\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

**Chapter 79. HSTNL0029I Volume *volume\_id* has *page\_count* pages of size *page\_sizebytes*. Dumping to file "*file*".**

**Explanation**

Metadata server successfully dumped the volume contents into the given file.

**Action**

Run the volume display application with the dump file as input to view the volume contents.



---

**Chapter 80. HSTNL0030E Error: Could not read from page *page\_id*. The return code is *return\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 81. HSTNL0031E Error: Could not write page *page\_no* to file *file\_name*. The return code is *return\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 82. HSTNL0032I Volume *vol\_id* dumped *page* pages (*mbytes\_written* MB).

### Explanation

Metadata server successfully dumped the given number of volume pages.

### Action

Run the volume display application with the dump file as input to view the volume contents.





---

## Chapter 83. HSTNL0033E Error: Failed offline stopcluster with rc= rc.

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## **Chapter 84. HSTNL0034I The cluster has successfully been set to stopcluster in offline mode.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 85. HSTSS0001E *%command*: Execution halted because the configuration file is not available:**  
*%configuration\_file\_name*

**Explanation**

When run in quiet mode, a valid configuration file must exist.

**Action**

Run setupsfs in interactive mode to generate a valid configuration file.



---

## Chapter 86. HSTSS0002E *%truststore\_file\_name*: does not exist.

### Explanation

The truststore file must exist prior to starting the administrative agent.

### Action

Generate a valid truststore file and copy it to /usr/tank/admin. If this is a subordinate node, the truststore must be copied from the master.





---

**Chapter 87. HSTSS0003E** *%command: Cannot open %file\_name:*  
*%error\_number*

**Explanation**

A required file was not found.

**Action**

Reinstall the administrative server.



---

**Chapter 88. HSTSS0004E Execution halted because an invalid configuration parameter was found while running in quiet mode: %parameter**

**Explanation**

When run in quiet mode, a valid configuration file must exist.

**Action**

Run setupsfs in interactive mode to generate a valid configuration file.



---

## Chapter 89. HSTSS0005E Execute the script using *%startup\_command*

### **Explanation**

The metadata server configuration script is not executed directly. It is executed through the setupsfs symbolic link.

### **Action**

Execute the metadata server configuration script using the setupsfs symbolic link.



---

## Chapter 90. HSTSS0006W Warning: Could not write *%configuration\_file\_name*

### **Explanation**

The metadata server configuration tool was not able to write the configuration to a file.

### **Action**

Verify that the admin/config directory is writable, and that you were logged in as root to run the configuration tool.





---

**Chapter 91. HSTSS0007W** *%command*: **Cannot open %file\_name:**  
*%error\_number*

**Explanation**

The metadata server configuration tool could not open the configuration file.

**Action**

Verify that the admin/config directory is writable and that you are logged in as root to run the configuration tool.



---

## **Chapter 92. HSTSS0008I Skipping execution of the tank install command. This node is already part of a cluster.**

### **Explanation**

The existence of the Tank.Bootstrap file on the metadata servers indicates that this metadata server is already part of a cluster.

### **Action**

Start and stop this metadata server using the SAN File System Administration Console or CLI.



---

## Chapter 93. HSTSS0009E The metadata server rpm is not installed.

### Explanation

The metadata server rpm must be installed before attempting to configure a metadata server.

### Action

Install the metadata server rpm.



---

## **Chapter 94. HSTSS0010W /opt/was or /opt/eclipse not found. Skipping SAN File System console startup.**

### **Explanation**

The SAN File System console requires that Eclipse and WebSphere Application Server be installed. If neither Eclipse nor WebSphere Application Server is found, startup of the SAN File System console is skipped.

### **Action**

Install Eclipse and WebSphere Application Server.





---

## Chapter 95. HSTSS0011W /opt/was or /opt/eclipse not found. Skipping SAN File System console shutdown.

### Explanation

If neither Eclipse nor WebSphere Application Server is installed, the SAN File System console is not running and cannot be shutdown.

### Action

No action is needed.



---

## Chapter 96. HSTSS0013I *%truststore\_file\_name* already exists and will not be recreated.

### Explanation

If the truststore file exists, it is not recreated. The truststore file is created on the master metadata server engine and must be copied to all subordinate metadata servers in the cluster.

### Action

Removing the existing truststore file will allow a new one to be created.



---

## **Chapter 97. HSTSS0014I The administrative agent is already running. Skipping administrative agent startup.**

### **Explanation**

If the administrative agent is running, it is not restarted. The existence of `/usr/tank/admin/temp/cimom.pid` indicates that the administrative agent is already running.

### **Action**

You can stop the administrative agent using the `stopCimom` command.



---

## **Chapter 98. HSTSS0015I The SAN File System console is already running. Skipping SAN File System Console startup.**

### **Explanation**

If the SAN File System Administration Console is running, it is not restarted. The existence of `/opt/was/logs/server1/server1.pid` indicates that the SAN File System Administration Console is already running.

### **Action**

Use the `stopConsole` command to stop the SAN File System Administration Console.





---

## Chapter 99. HSTSS0016I *%command* failed.

### Explanation

The tankpasswd command generates a file named .tank.passwd. This file contains the user name and password used to access the Administration CLI. It should be copied to the home directory of the user who will use the Administration CLI.

### Action

Contact your service representative.



---

## Chapter 100. HSTSS0017E *%tank\_passwd\_file\_name*: does not exist.

### Explanation

The tankpasswd command is used to generate .tank.passwd if CLI\_USER and CLI\_PASSWD are defined in the tank.properties file. .tank.passwd is then copied to \$HOME. The .tank.passwd file is required by the tanktool command.

### Action

Verify that CLI\_USER and CLI\_PASSWD are defined in tank.properties.



---

## **Chapter 101. HSTSS0018I Skipping execution of the tank normal command. The server is already running.**

### **Explanation**

The tank normal command starts the metadata server. setupsfs skips this step if the metadata server is found to be running.

### **Action**

To reconfigure the metadata server, stop the metadata server using the SAN File System Administration Console or CLI.



---

## Chapter 102. HSTSS0019I Using cluster configuration found on: *%master\_disk*

### **Explanation**

If the specified master disk has an existing cluster configuration, setupsfs uses the existing configuration instead of creating a new one.

### **Action**

To reinitialize the metadata server, use the `-overwrite` option. The `-overwrite` option will destroy all data in the SAN File System.





---

## Chapter 103. HSTSS0020E Failed to initialize the metadata server. See the log file: *%server\_log\_file*

### Explanation

setupsfs initializes the metadata server by calling tank install. This message prints if the command fails.

### Action

See the metadata server log files to determine the cause of the failure.



---

## Chapter 104. HSTSS0021E Failed to start the metadata server. See the log file: *%server\_log\_file*

### Explanation

setupsfs starts the metadata server by calling tank normal. This message displays if the command fails.

### Action

View the metadata server log files to determine the cause of the failure.



---

## Chapter 105. HSTSS0022E Failed to start the CIM Agent. View the log file: *%CIM\_log\_file*

### **Explanation**

setupsfs starts the CIM Agent by calling startCimom. This message prints if the command fails.

### **Action**

View the CIM Agent log files to determine the cause of the failure.



---

## Chapter 106. HSTSS0023I Removing *%file\_name*

### **Explanation**

None

### **Action**

No action is required.





---

## Chapter 107. HSTSS0025I Stopping the CIM Agent.

### **Explanation**

None

### **Action**

No action is required.



---

## Chapter 108. HSTSS0026I Starting the CIM Agent.

### Explanation

None

### Action

No action is required.



---

**Chapter 109. HSTSS0027I Removing disk label from:**  
*%device\_name*

**Explanation**

None

**Action**

No action is required.



---

## Chapter 110. HSTSS0028I Stopping the metadata server.

### Explanation

None

### Action

No action is required.





---

## Chapter 111. HSTSS0029I Skipping auto configuration of the RSA II card on the metadata server. *%mpcli\_script*: does not exist.

### Explanation

`/opt/IBMmpcli/bin/MPCLI.bsh` is provided by the `mpcli` rpm. The `mpcli` package is used by `setupsfs` to configure the RSA II adapter card on this metadata server. Because this configuration utility is not available, the RSA II adapter card cannot be automatically configured.

### Action

You must manually configure the RSA II adapter card on the metadata server. See the SAN File System documentation for the correct settings.



---

## Chapter 112. HSTSS0030E mpcli command failed: *%mpcli\_command*

### **Explanation**

The mpcli package is used by setupsfs to configure the RSA II adapter card on the metadata server. One of the configuration commands failed.

### **Action**

You must manually configure the RSA II adapter card on the metadata server. See the SAN File System documentation for the correct settings.



---

**Chapter 113. HSTSS0031I One or more of the mpcli commands has failed while attempting to configure the RSA II adapter. To ensure correct setup, the RSA II adapter must be configured manually. See the SAN File System documentation for the correct procedure and settings.**

**Explanation**

Incorrect setup of the RSA II adapter will make all RSA features unavailable (for example, stopengine, lsengine, statengine); the metadata server, however, will continue to function normally.

**Action**

You must manually configure the RSA II adapter card on the metadata server. See the SAN File System documentation for the correct procedure and settings.



---

**Chapter 114. HSTSS0032E *%undef\_val* is a required value but has not been defined.**

**Explanation**

The password does not match the truststore or the truststore file is corrupt.

**Action**

Enter the correct password or recreate the truststore file.





---

## **Chapter 115. HSTSS0033E The password does not match the truststore or the truststore is corrupt.**

### **Explanation**

The password does not match the truststore or the truststore file is corrupt.

### **Action**

Enter the correct password or recreate the truststore file.



---

## **Chapter 116. HSTSS0034E Execution halted because one or more LDAP configuration parameters are not valid.**

### **Explanation**

A valid configuration file must exist when run in quiet mode.

### **Action**

Run setupsfs in interactive mode to correct LDAP configuration.



---

## Chapter 117. HSTSS0035E File does not exist: %*file\_name*

### **Explanation**

The file does not exist.

### **Action**

Verify that the path to the file was entered correctly.



---

## **Chapter 118. HSTSS0036I setupsfs can not be executed while the metadata server is running.**

### **Explanation**

setupsfs can not be executed while the metadata server is running. After the metadata server is configured, issue the command through the Administration Console or sfscli.

### **Action**

Use the Administration Console or sfscli to administer SAN File System.





---

## Chapter 119. HSTSS0037I invalid password

### **Explanation**

The RSA password must contain at least five characters, and one must be a digit.

### **Action**

Enter a password that consists of five alphanumeric characters.



---

## **Chapter 120. HSTSS0038W There were some failures in exercising the Name Server Switch system on the engine.**

### **Explanation**

The Name Server Switch system is used to retrieve numeric user IDs and Windows SIDs. In exercising the system, some variances from the expected functionality were detected.

### **Action**

Rerun setupsfs with the -nsscheck option for more detailed output.



---

## Chapter 121. HSTSS0039I Validating a NIS setup.

### **Explanation**

The NIS setup on the machine is being checked for accuracy.

### **Action**

No user action is required.



---

## **Chapter 122. HSTSS0040I Because NIS is not configured in nsswitch.conf, this will be for information only.**

### **Explanation**

Because the Name Server Switch system is not configured to use NIS, the following messages are informational only.

### **Action**

No user action is required.





---

## Chapter 123. HSTSS0041W NIS problem: yp.conf does not exist.

### Explanation

yp.conf does not exist. This file is required for proper NIS setup on this platform.

### Action

Refer to the instructions in the Installation Guide if you are trying to set up SAN File System to use NIS for heterogeneous security.



---

## Chapter 124. HSTSS0042I NIS problem: yp.conf does not exist.

### Explanation

yp.conf does not exist. This file is required for proper NIS setup on this platform.

### Action

Refer to the instructions in the Installation Guide if you are trying to set up SAN File System to use NIS for heterogeneous security.



---

## Chapter 125. HSTSS0043W NIS problem: domainname is not set.

### Explanation

The NIS domain name of the machine is not set or the domainname command is not functioning correctly.

### Action

Use the domainname command to properly set the NIS domain of your engine. Refer to instructions in the Installation Guide if you are trying to set up SAN File System to use NIS for heterogeneous security.



---

## Chapter 126. HSTSS0044I NIS problem: domainname is not set.

### Explanation

The NIS domain name of the machine is not set or the domainname command is not functioning correctly.

### Action

Use the domainname command to properly set the NIS domain of your engine. Refer to instructions in the Installation Guide if you are trying to set up SAN File System to use NIS for heterogeneous security.





---

## Chapter 127. HSTSS0045W NIS problem: ypbind is not set to start on boot or is not currently running.

### Explanation

For proper functioning upon reboots, the ypbind (NIS client) service must be configured to start when the machine boots.

### Action

Set the ypbind service to start on boot by entering the following command at a root prompt:

```
chkconfig ypbind on
```

You can also start the ypbind service by entering the following command:

```
/etc/init.d/ypbind start
```



---

## Chapter 128. HSTSS0046I NIS problem: ypbind is not set to start on boot or is not currently running.

### Explanation

For proper functioning upon reboots, the ypbind (NIS client) service must be configured to start when the machine boots.

### Action

Set the ypbind service to start on boot by entering the following command at a root prompt:

```
chkconfig ypbind on
```

You can also start the ypbind service by entering the following command:

```
/etc/init.d/ypbind start
```



---

## Chapter 129. HSTSS0047W NIS problem: No information could be obtained by ypcat.

### Explanation

The "ypcat passwd.byname" command failed to produce output to stdout. This could be the result of a NIS lookup failure, misconfigured NIS, or the lack of any user IDs in your NIS directory.

### Action

Run the "ypcat passwd.byname" command at a root prompt to check for errors. If this fails, verify that NIS is configured correctly and that the NIS server has user IDs configured in its directory.



---

## Chapter 130. HSTSS0048I NIS problem: No information could be obtained by ypcat.

### Explanation

The "ypcat passwd.byname" command failed to produce output to stdout. This could be the result of a NIS lookup failure, misconfigured NIS, or the lack of any user IDs in your NIS directory.

### Action

Run the "ypcat passwd.byname" command at a root prompt to check for errors. If this fails, verify that NIS is configured correctly and that the NIS server has user IDs configured in its directory.





---

## Chapter 131. HSTSS0049W NIS problem: getent failed for *%user\_name* .

### Explanation

The "getent passwd <uid>" or "getent group <gid>" for the named user's primary group failed to return the expected data.

### Action

Use ypcat to gather information, then look at the first entry in the list. Attempt to run "getent passwd <uid>" using the numeric user ID of the first entry, and then "getent group <gid>" using the primary group ID of that user.



---

## Chapter 132. HSTSS0050I NIS success.

### **Explanation**

The checking of the NIS service completed without errors. NIS and NSS should be correctly configured for use by SAN File System.

### **Action**

No additional action is required.



---

## Chapter 133. HSTSS0051I Validating an LDAP setup.

### **Explanation**

The LDAP configuration on the engine is being verified.

### **Action**

No user action is required.



---

## **Chapter 134. HSTSS0052I Because LDAP is not configured in nsswitch.conf, this will be for information only.**

### **Explanation**

Because the Name Server Switch system is not configured to use LDAP, the following messages are informational only.

### **Action**

No user action is required.





---

## **Chapter 135. HSTSS0053W LDAP problem: /etc/openldap/ldap.conf does not exist.**

### **Explanation**

The configuration of OpenLDAP requires the use of the ldap.conf file.

### **Action**

Perform "man ldap.conf" to find out more information on the settings required in ldap.conf.



---

## **Chapter 136. HSTSS0054I LDAP problem: /etc/openldap/ldap.conf does not exist.**

### **Explanation**

The configuration of OpenLDAP requires the use of the ldap.conf file.

### **Action**

Perform "man ldap.conf" to find out more information on the settings required in ldap.conf.



---

## Chapter 137. HSTSS0055W LDAP problem: ldapsearch does not return information.

### Explanation

The ldapsearch command did not return information necessary for the Name Server Switch system.

### Action

Perform the following command to simulate the action taken by this tool:

```
ldapsearch -x -LLL '(uidNumber=*)' uid uidNumber gidNumber
```

The three attributes listed -- uid, uidNumber, and gidNumber -- are required by the Name Server Switch system to appear in LDAP objects corresponding to UNIX users.



---

## Chapter 138. HSTSS0056I LDAP problem: ldapsearch does not return information.

### Explanation

The ldapsearch command did not return information necessary for the Name Server Switch system.

### Action

Perform the following command to simulate the action taken by this tool:

```
ldapsearch -x -LLL '(uidNumber=*)' uid uidNumber gidNumber
```

The three attributes listed -- uid, uidNumber, and gidNumber -- are required by the Name Server Switch system to appear in LDAP objects corresponding to UNIX users.





---

## Chapter 139. HSTSS0057W LDAP problem: getent failed for %user\_name .

### Explanation

The "getent passwd <uid>" or "getent group <gid>" for the named user's primary group failed to return the expected data.

### Action

Use ldapsearch to gather the uidNumber and gidNumber of the named user via the following command:

```
ldapsearch -x -LLL '(uid=<username>)' uid uidNumber gidNumber
```

Attempt to run "getent passwd <uidNumber>" using the value of the uidNumber attribute, and then "getent group <gidNumber>" using the value of the gidNumber attribute.



---

## Chapter 140. HSTSS0058I LDAP success.

### **Explanation**

The configuration of LDAP on this system appears successful.

### **Action**

No user action required.



---

## Chapter 141. HSTSS0059I Validating a SAMBA setup.

### **Explanation**

The SAMBA configuration on the machine is being verified.

### **Action**

No user action is required.



---

**Chapter 142. HSTSS0060I Because SAMBA/winbind is not configured in nsswitch.conf, this message is for information only.**

**Explanation**

Because the Name Server Switch system is not configured to use winbind, the following messages are informational only.

**Action**

No user action is required.





---

## Chapter 143. HSTSS0061W SAMBA problem: /etc/samba/smb.conf does not exist.

### Explanation

SAMBA configuration requires the use of the /etc/samba/smb.conf file.

### Action

Refer to the Installation Guide and SAMBA documentation for more information on the correct parameters for the smb.conf file.



---

## Chapter 144. HSTSS0062I SAMBA problem: /etc/samba/smb.conf does not exist.

### Explanation

SAMBA configuration requires the use of the /etc/samba/smb.conf file.

### Action

Refer to the Installation Guide and SAMBA documentation for more information on the correct parameters for the smb.conf file.



---

## Chapter 145. HSTSS0063W SAMBA problem: /etc/krb5.conf does not exist.

### Explanation

Microsoft Active Directory requires Kerberos configuration on the machine.

### Action

Refer to the Installation Guide and SAMBA documentation for more information on the correct parameters for the krb5.conf file.



---

## Chapter 146. HSTSS0064I SAMBA problem: /etc/krb5.conf does not exist.

### Explanation

Microsoft Active Directory requires Kerberos configuration on the machine.

### Action

Refer to the Installation Guide and SAMBA documentation for more information on the correct parameters for the krb5.conf file.





---

## Chapter 147. HSTSS0065W SAMBA problem: testparm did not return a zero return code.

### Explanation

The testparm command, which validates the contents of the `/etc/samba/smb.conf` file, failed.

### Action

Examine the `/etc/samba/smb.conf` file and look for any errors. If necessary, run testparm manually to verify that the file is correct.



---

## Chapter 148. HSTSS0066I SAMBA problem: testparm did not return a zero return code.

### Explanation

The testparm command, which validates the contents of the `/etc/samba/smb.conf` file, failed.

### Action

Examine the `/etc/samba/smb.conf` file and look for any errors. If necessary, run testparm manually to verify that the file is correct.



---

## **Chapter 149. HSTSS0067W SAMBA problem: Either smb, nmb, or winbind are not configured to start at boot.**

### **Explanation**

All three of these services nmb, smb, and winbind must be configured to start at boot so that the services start if the engine is rebooted.

### **Action**

Use chkconfig to turn on the autostart of these services.



---

## **Chapter 150. HSTSS0068I SAMBA problem: Either smb, nmb, or winbind are not configured to start at boot.**

### **Explanation**

All three of these services nmb, smb, and winbind must be configured to start at boot so that the services start if the engine is rebooted.

### **Action**

Use chkconfig to turn on the autostart of these services.





---

## Chapter 151. HSTSS0069I SAMBA success.

### **Explanation**

SAMBA is configured correctly on the machine.

### **Action**

No action required.



---

**Chapter 152. HSTSS0070E** *%command: Cannot access %dir\_name:  
%error\_number*

**Explanation**

Attempt to access a directory failed.

**Action**

The directory was not found.



---

## Chapter 153. HSTSS0071E Failed to create directory: *%dir\_name*

### **Explanation**

Failed to create a directory.

### **Action**

Check that permissions are not too restrictive.



---

## Chapter 154. HSTSS0072E NODE\_LIST is not in the expected format: %node\_list

### Explanation

This version of setupsfs generates NODE\_LIST and expects NODE\_LIST to be in the format: NODE\_LIST=ip:port:name

### Action

If you are upgrading SAN File System, run the setupsfs utility to generate NODE\_LIST in the proper format.





---

## Chapter 155. HSTSS0073E Subordinate server load failed.

### Explanation

setupsfs failed to load one or more of the subordinate servers.

### Action

Review the log file on each subordinate server: /tmp/loadcluster.out No additional information is available.



---

**Chapter 156. HSTSS0074E The entered value *%file\_name* is not a file.**

**Explanation**

The expected input is a filename.

**Action**

Enter the filename.



---

## Chapter 157. HSTSS0075E setupsfs -loadcluster can not be executed while the metadata server is running on %hostname

### Explanation

The setupsfs -loadcluster utility cannot be executed if any of the metadata servers are running.

### Action

Once a metadata server is configured, use the Administration Console or sfscli to administer SAN File System.



---

## Chapter 158. HSTSS0076E Failed to copy *%source* to *%target*.

### Explanation

The cp or scp command failed.

### Action

Check that the file system is not full and that you have write access.





---

## Chapter 159. HSTSS0077E The sfs-package rpm was not found in %packages-directory

### Explanation

The sfs-package rpm is required to load SAN File System.

### Action

When prompted, enter the absolute path to the directory that contains the sfs-package rpm.



---

## Chapter 160. HSTSS0078E Failed to start the server on *%hostname*

### **Explanation**

The SAN File System metadata server failed to start.

### **Action**

Review the log files in `/usr/tank/admin/log`.



---

## Chapter 161. HSTSS0079E Failed to add *%hostname* to the cluster configuration.

### Explanation

The subordinate node was not added to the cluster configuration.

### Action

Review the log files in `/usr/tank/admin/log`.



---

## Chapter 162. HSTSS0080E The *%package\_name* rpm was not found.

### Explanation

A required package was not found.

### Action

When prompted, enter the absolute path to the directory that contains all packages required by SAN File System.





---

## Chapter 163. HSTSS0081E Failed to install *%rpm\_name*

### **Explanation**

A required rpm package failed to install.

### **Action**

Review the log files.



---

**Chapter 164. HSTSS0082E NODE\_LIST is not in the expected format. Run setupsfs -loadcluster and enter the subordinate server names when prompted.**

**Explanation**

This message is displayed only when an older version of the config file is used with setupsfs -loadcluster. setupsfs -loadcluster needs to know the subordinate server names to generate a config file for each subordinate server.

**Action**

If you are upgrading SAN File System, run the setupsfs -loadcluster utility and enter the subordinate server names when prompted.



---

## Chapter 165. HSTSS0083E SAN File System CD not found.

### Explanation

The SAN File System CD is required to verify the license key and install required software. Enter the full path to the SAN File System CDs mount point.

### Action

Insert the San File System CD and restart the install.



---

## Chapter 166. HSTSS0084E Failed to extract the archive given with the -restore option: *%hostname*.

### Explanation

The restore archive is expected to be a gzip compressed tar archive. setupsfs -backup is used to create the archive.

### Action

The archive may be corrupt or is not in the expected format.





---

## Chapter 167. HSTSS0085E A missing or invalid value was discovered during the restore: *%hostname*.

### Explanation

The restore archive is expected to be a gzip compressed tar archive. setupsfs -backup is used to create the archive. The restore may fail if the server was not configured properly when the backup was made.

### Action

The archive may be corrupt or is not in the expected format. You may be able to determine the problem by manually extracting the archive and examining the values. Most values are restored from the Tank.Config file.



---

## Chapter 168. HSTSS0086E tank setconfig failed for: *%config\_name*.

### **Explanation**

The restore archive is expected to be a gzip compressed tar archive. setupsfs -backup is used to create the archive. The restore may fail if the server was not configured properly when the backup was made.

### **Action**

The archive may be corrupt or is not in the expected format. You may be able to determine the problem by manually extracting the archive and examining the values. Most values are restored from the Tank.Config file.



---

## Chapter 169. HSTSS0087E Failed to update the cimom.properties file on *%hostname* .

### Explanation

Once the SAN File System software has been installed the cimom.properties file needs to be updated with the truststore password and cim port. This is done by making a recursive call of setupsfs with a special option.

### Action

Verify that the file system is not full then try adding the -trace option to setupsfs for more information.



---

## Chapter 170. HSTSS0088E The verify phase has failed for *%hostname*. For more detail view: *%report*.

### Explanation

The pre-installation software and hardware check has found that the server does not meet the minimum SAN File System requirements.

### Action

Make changes to bring the system up to date with the minimum SAN File System requirements.





---

## Chapter 171. HSTSS0089E Undefined server

### **Explanation**

The values given describing one of the servers caused an internal error.

### **Action**

Verify the values for each server are valid.



---

## **Chapter 172. HSTSS0090E The cluster could not be formed because no Master server is available.**

### **Explanation**

Subordinate servers must be added from the master server. No master server was found.

### **Action**

Verify the master server is running.



---

## Chapter 173. HSTSS0091E setupsfs *%option\_name* can not load a metadata server that is already a cluster member.

### Explanation

setupsfs -loadcluster or -loadserver can not load a metadata server that is already a cluster member. A server is considered to be a cluster member if the Tank.Bootstrap file exists in the servers config directory.

### Action

Use -restore or -upgrade to upgrade the server. Or drop the server from its current cluster.



---

**Chapter 174. HSTSS0092E The -loadcluster option will configure the local server as the master metadata server node. The value entered for the master node ip: *%master IP* does not appear to correspond with the local server.**

**Explanation**

The setupsfs -loadcluster option will configure the local server as the master metadata server node. Therefore, when entering information about the cluster the IP address given for the master node must be one configured for the local server.

**Action**

When prompted or when creating a config file set IP to a value that corresponds to the server where the install script will be run.





---

**Chapter 175. HSTSS0093E The value given for IP: *%master IP* was not found in the NODE\_LIST: *%master IP***

**Explanation**

The value given in IP always needs to have a corresponding entry in the NODE\_LIST.

**Action**

Add an entry for IP to the NODE\_LIST.



---

## Chapter 176. HSTSS0094E Failed to remove *%rpm\_name* from *%host\_name*

### **Explanation**

Failed to remove a rpm package.

### **Action**

Attempt to manually remove the rpm with rpm -e.



---

## Chapter 177. HSTSS0095E *%number* is not a number.

### **Explanation**

The given IP Address contained non-numeric characters.

### **Action**

Re-enter a valid IP Address.



---

## Chapter 178. HSTSS0096E *%number* is not between 0 and 254.

### Explanation

Each number in the IP Address must be between 0 and 254.

### Action

Re-enter a valid IP Address.





---

**Chapter 179. HSTUC0001E Could not copy log file name *log\_filename* because it exceeds the maximum length of *FILENAME\_MAX*.**

**Explanation**

Log file names cannot be longer than the length specified by *FILENAME\_MAX*.

**Action**

Specify a shorter log file name.



---

**Chapter 180. HSTUC0002E Error opening log file**  
*log\_file\_name: error\_string. The error number is*  
*error\_number.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 181. HSTUC0003E Error re-opening log file**  
*log\_file\_name: error\_string. The error number is*  
*error\_number.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**Chapter 182. HSTUC0004E Error copying stdout and stderr to log file *log\_file\_name*: *error\_string*. The error number returned from `dup2()` is *error\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.





---

## Chapter 183. Metadata server logging facility messages

The following messages can be generated by Metadata server logging and tracing facility.

---

### **HSTAD0001E Missing parameter.**

#### **Explanation**

A parameter is missing from a legacy command. This message indicates an internal error.

#### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

### **HSTAD0002E Parameter not valid - *parameter*.**

#### **Explanation**

A parameter for a legacy command is invalid. This message indicates an internal error.

#### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

### **HSTAD0004E Storage pool @1 is already defined.**

#### **Explanation**

The named storage pool is already defined. This message indicates an internal error.

#### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

### **HSTAD0005E Policy set @1 is already defined.**

#### **Explanation**

The named policy set is already defined. This message indicates an internal error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

## **HSTAD0015I Alert: This is an SNMP test event with a severity of Information.**

### **Explanation**

An informational SNMP test event has occurred.

### **Action**

Verify the function of SNMP alert processing.

---

## **HSTAD0016W Alert: This is an SNMP test event with a severity of Warning.**

### **Explanation**

A warning SNMP test event has occurred.

### **Action**

Verify the function of SNMP alert processing.

---

## **HSTAD0017S Alert: This is an SNMP test event with a severity of Severe.**

### **Explanation**

A severe error SNMP test event has occurred.

### **Action**

Verify the function of SNMP alert processing.

---

## **HSTAD0018E Alert: This is an SNMP test event with a severity of Error.**

### **Explanation**

An error SNMP test event has occurred.

### **Action**

Verify the function of SNMP alert processing.

---

**HSTAD0019I** User Name: *adm\_user\_name* Command Name: *adm\_command\_name*  
Parameters: *adm\_command\_parameters*. Command Succeeded.

**Explanation**

An administrative command has completed successfully.

**Action**

No action necessary.

---

**HSTAD0020E** User Name: *adm\_user\_name* Command Name: *adm\_command\_name*  
Parameters: *adm\_command\_parameters*. Command returned error. (  
*adm\_result\_code*)

**Explanation**

An administrative command has failed.

**Action**

Examine the logs for other errors indicating what caused the command to fail. If necessary, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0021I** Cmd: *adm\_command adm\_start\_stop adm\_command\_suite,*  
*adm\_command\_method adm\_command\_arg adm\_command\_arg adm\_command\_arg*  
*adm\_command\_arg adm\_command\_arg adm\_command\_arg adm\_command\_arg*  
*adm\_command\_arg*

**Explanation**

An internal debug command has been issued.

**Action**

No action necessary.

---

**HSTAD0025I** List files on volume started for *adm\_admin\_name*

**Explanation**

An internal debug command has been issued.

**Action**

No action necessary.

---

**HSTAD0026I List files on volume finished for *adm\_admin\_name*****Explanation**

An internal debug command has been issued.

**Action**

No action necessary.

---

**HSTAD0027I Looking for *adm\_keyword*****Explanation**

An internal debug command has been issued.

**Action**

No action necessary.

---

**HSTAD0028I Show object: *adm\_object\_id*****Explanation**

An internal debug command has been issued.

**Action**

No action necessary.

---

**HSTAD0029E Missing argument.****Explanation**

A parameter is missing from a legacy show command. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0031E *adm\_result\_string* ( *adm\_result\_code* ) TraceError:  
Thread ID = *adm\_thread\_id*****Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0032E** *adm\_result\_string ( adm\_result\_code )*. **Print stack trace follows:**

**Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0033E** *adm\_buffer*

**Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0034E Error** *adm\_result\_string ( adm\_result\_code ) detected. Thread thread\_id blocked. Thread can be unblocked with UNBLOCK THREAD thread\_id.*

**Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0035E Thread** *thread\_id unblocked after error adm\_result\_string ( adm\_result\_code ) detected.*

**Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0036S CALLHOME: Debug crash: About to *adm\_command\_name* server. The server process is stopping.**

**Explanation**

This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0037E Error (*adm\_result\_code*): Cannot start file system check because it is already running.**

**Explanation**

The metadata checker is already running.

**Action**

Wait until the current check has completed or stop the current check.

---

**HSTAD0038S Error (*adm\_result\_code*): File system integrity lost.**

**Explanation**

The metadata checker detected a metadata integrity problem.

**Action**

View the server logs to determine the cause of the fault. Contact your service representative if you cannot determine the cause of the problem.

---

**HSTAD0039E Error (*adm\_result\_code*): Metadata check run on subordinate.**

**Explanation**

The metadata checker was issued on a subordinate metadata server or during a group transition.

**Action**

Reissue the command to the master. If the problem continues, contact your service representative.

---

**HSTAD0040E Error (*adm\_result\_code*): Internal error code.**

**Explanation**

This message indicates an internal error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

## **HSTAD0041E Cannot stop file system check because it is not running.**

### **Explanation**

This message indicates an internal error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

## **HSTAD0043E Metadata checker test command is disabled**

### **Explanation**

An unsupported internal command was attempted.

### **Action**

No action is required.

---

## **HSTBT0001E Unregistered index type - *bt\_index\_type***

### **Explanation**

An unregistered index type was detected. This problem might indicate a corrupted file system.

### **Action**

If the problem continues, run the metadata checker in repair mode to correct the problem.

---

## **HSTBT0002S B-tree root header root page is incorrect**

### **Explanation**

The metadata table references a root page that is corrupt.

### **Action**

Run the metadata check in salvage mode to reset the table's root page.

---

**HSTBT0003S B-tree root header index type *bt\_index\_type\_id* is incorrect. It should be *bt\_index\_type\_id***

**Explanation**

The metadata table references a root page that is corrupt.

**Action**

Run the metadata check in salvage mode to reset the table's root page.

---

**HSTBT0004S B-tree root header index Id *bt\_index\_type\_id* is incorrect. Should be *bt\_index\_type\_id***

**Explanation**

The metadata table references a root page that is corrupt.

**Action**

Run the metadata check in salvage mode to reset the table's root page.

---

**HSTBT0006S Root page is not an allocated page.**

**Explanation**

A metadata table references a root page that is not allocated.

**Action**

Run the metadata check in salvage mode to reset the table's root page.

---

**HSTBT0007E Unable to lock the page**

**Explanation**

The metadata checker was unable to lock a database page.

**Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTBT0008E PageType=0x*bt\_index\_page\_type\_id* not part of a B-Tree.**

**Explanation**

The metadata checker encountered a page that was not the correct type.

**Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTCK0001E The check for *fsck\_fileset\_name* failed.****Explanation**

The metadata checker could not find the ID of the fileset.

**Action**

Check that the fileset exists. Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCK0002I Check system metadata.****Explanation**

The metadata checker is checking the system metadata.

**Action**

No action is required.

---

**HSTCK0003S Logical Volume Manager metadata check failed.**

*fsck\_result\_code*

**Explanation**

There was a problem checking the Logical Volume Manager metadata.

**Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTCK0004S Version Control Manager metadata check failed.**

*fsck\_result\_code*

**Explanation**

There was a problem checking the Version Control Manager metadata.

**Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTCK0005S Cluster Manager metadata check failed. *fsck\_result\_code*****Explanation**

There was a problem checking the Cluster Manager metadata.

### **Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTCK0006I Check fileset metadata.**

### **Explanation**

The metadata checker is checking the fileset metadata.

### **Action**

No action is required.

---

## **HSTCK0007S Fileset metadata check failed. *fsck\_result\_code***

### **Explanation**

There was a problem checking the fileset metadata.

### **Action**

Check the log for other log messages. Resolve the errors. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTCK0008I Finished checking metadata.**

### **Explanation**

The metadata checker is finished.

### **Action**

Examine the other log messages to determine what the metadata checker found.

---

## **HSTCK0009W Skipped check fileset *fsck\_fileset\_name*. Server *fsck\_server\_name* is not in the active group.**

### **Explanation**

The server servicing the fileset is not in the active group. The metadata checker cannot check the fileset metadata.

### **Action**

Run the metadata checker on the fileset after it is serviced by an active server.

---

**HSTCK0010E Metadata check of fileset *fsck\_fileset\_name* failed.**  
**Error code = *fsck\_result\_code*. Check the logs on node**  
***fsck\_server\_name*.**

**Explanation**

The metadata check of a fileset failed.

**Action**

Resolve the error code. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTCK0024I Metadata check stop forced.**

**Explanation**

The metadata check was stopped before it finished.

**Action**

No action is required.

---

**HSTCK0025I OBSOLETE Corrupt: *Argcm\_argument\_index* =**  
***cm\_argument\_value***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0001W Cluster manager master was not started.**

**Explanation**

A server operation detected that the cluster manager master is not started.

A cluster reformation might be happening or this might be a subordinate node.

**Action**

Retry the operation after the cluster reformation completes. If this is the subordinate, retry the operation on the master.

---

**HSTCM0002E Action code (*cm\_action\_code*) in StartWorkLoad message is not valid.**

**Explanation**

A master-subordinate message for startWorkLoad had an unknown action code.

**Action**

This might be a program defect. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0003E Action code (*cm\_action\_code*) in StopWorkLoad message is not valid.**

**Explanation**

A master-subordinate message for stopWorkLoad had an unknown action code.

**Action**

This might be a program defect. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0004E Scan system disk fatal error : MASTER(Disk Count) = *cm\_master\_disk\_count*, Subordinate(Disk Count) = *cm\_subordinate\_disk\_count*, Master Disk Hash Value = *cm\_master\_disk\_hash*, Subordinate Disk Hash Value = *cm\_subordinate\_disk\_hash*, Error code: *cm\_result\_code***

**Explanation**

The metadata server was unable to scan ALL system disks.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0005W Scan user disk warning: MASTER(Disk Count) = *cm\_master\_disk\_count*, Subordinate(Disk Count) = *cm\_subordinate\_disk\_count*, Master Disk Hash Value = *cm\_master\_disk\_hash*, Subordinate Disk Hash Value = *cm\_subordinate\_disk\_hash***

**Explanation**

This is a warning that the metadata server was unable to scan ALL user disks.

### Action

If the server was configured to access all user disks, check your SAN configuration for problems. Otherwise, no action is required.

---

**HSTCM0006E Global Disk I/O Manager failed to scan disks. RC = *cm\_result\_code*.**

### Explanation

The metadata server had an unexpected failure while scanning disks and will abort.

### Action

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0007S CALLHOME: Global Disk I/O Manager failed to scan disks. RC = *cm\_result\_code*. The server process is stopping.**

### Explanation

The metadata server had an unexpected failure while scanning disks and will abort.

### Action

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0008W cmControlDataAccessRespMsg send failed. RC = *cm\_result\_code***

### Explanation

The metadata server failed to send a cmControlDataAccess response message to the master.

### Action

Wait for any cluster reformation to finish, and then retry the operation. Check log files. If the problem persists, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0009W Control Data Access: Long running process complete message send failed. RC = *cm\_result\_code***

### Explanation

The metadata server failed to send a LongProcessComplete message to the master.

### Action

Wait for any cluster reformation to finish, and then retry the operation. Check log files. If the problem persists, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0010W cmArenaSpaceReclaimCandidateAction: Failed with *cm\_result\_code***

### Explanation

The metadata server failed in processing ArenaSpaceReclaimCandidate message from the master.

### Action

Check log files. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0011E Cannot allocate memory for FOIteratorFetch data buffer**

### Explanation

The metadata server failed to allocate memory required to process reportvolfiles action.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0012W FOIteratorFetch: no data in the state buffer**

### Explanation

A reportvolfiles-related message from the master had no data. This is not a fatal error, but might be a program defect.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0013W FOIteratorFetch: garbled message received from master.**

### Explanation

A reportvolfiles-related command from the master returned garbled data. This is not a fatal error, but might be a program defect.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0014E cmFlashCopyImageAction::execute operation not valid**  
*cm\_flashcopy\_command\_type.*

**Explanation**

The metadata server received a FlashCopyImage command message with an invalid action code.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0018I CM master: extendArena() - Arena CTL is NULL.**

**Explanation**

The master metadata server unexpectedly did not find a cached Arena control block while doing Extend Arena operation.

**Action**

This is a server internal failure. Check metadata server logs. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0021E CM master: extendArena() - Allocate partition failed**

**Explanation**

You have run out of disk space.

**Action**

Free disk space by archiving and removing unused files, or add more disk space.

Make sure that you have enough resources on your system. If the problem still exists, contact Technical Support.

---

**HSTCM0022E CM master: extendArena() - insert record error**

**Explanation**

The master metadata server received an unexpected error while inserting a record in the logical partitions table.

**Action**

Check server logs for cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0028E delete\_fileset\_arenas: Unable to find control block for arena CID *cm\_arena\_id*, stgpoolID *cm\_pool\_id***

**Explanation**

The master metadata server unexpectedly did not find a cached Arena control block while doing an Arena operation.

**Action**

This is a server internal failure. Check metadata server logs. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0029E delete\_arena\_lpt : Unable to deallocate partition: *cm\_partition\_id* on disk: *0xcm\_disk\_id***

**Explanation**

The master metadata server received an unexpected failure while doing a partition deallocation operation.

**Action**

This is a server internal failure. Check metadata server logs. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0030E Deallocate partition: error deallocating LP partition. The partition was not allocated.**

**Explanation**

The master metadata server unexpectedly found that a logical partition it was about to deallocate was not allocated.

**Action**

This is a server internal failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0032W An instance of the space reclamation thread is already running.**

**Explanation**

The metadata server found that the space reclamation thread has already started. This is a warning message.

**Action**

This situation will correct itself; no action is needed.



---

**HSTCM0033E Unable to start partition reclamation thread.****Explanation**

An error occurred while starting the space reclamation thread.

**Action**

Make sure that you have enough resources on your system. Check server logs to determine exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0034S Cluster failed to start. The server process is stopping.****Explanation**

A fatal error was encountered when starting the cluster manager master. The metadata server will now abort.

**Action**

Check server logs to determine the exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0035S OBSOLETE CALLHOME: Cluster failed to start. The server process is stopping.****Explanation**

A fatal error was encountered when starting the cluster manager master. The metadata server has generated a CALLHOME event and will now abort.

**Action**

Check server logs to determine the exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0036E Error redoing action: Action code = `0xcm_action_code` RC = `cm_result_code`****Explanation**

Execution of the specified redo action had an unexpected failure.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0037E Error deleting redo action: Action code =**  
**0xcm\_action\_code RC = cm\_result\_code**

**Explanation**

Deletion of a redo action had an unexpected failure.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0038E Error committing redo action: Action code =**  
**0xcm\_action\_code RC = cm\_result\_code**

**Explanation**

Transaction commit of a redo action had an unexpected failure.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0039W Cluster Manager show command issued to a subordinate node. This command must be issued to the master node.**

**Explanation**

A show command was issued to a subordinate node or there might have been a cluster transition in progress.

**Action**

After making sure that the cluster completed the reformation, reissue the show command to the master node.

---

**HSTCM0040E Unable to allocate aligned buffer.**

**Explanation**

Allocation of a buffer failed while doing a show command for CMSECTOR. The system might be having an out of memory condition.

**Action**

Make sure that your system has enough resources. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0041E Unable to read sector *cm\_sector\_id* from Logical Volume Manager.**

**Explanation**

Logical volume manager failed to read the CM Sector.

**Action**

Check the server logs and operating system log for I/O errors. Verify that there are no SAN problems.

---

**HSTCM0042E Cluster manager installation failed. Cluster Manager master is already started.**

**Explanation**

Cluster manager installation detected that the cluster manager has already started.

**Action**

This is a server internal error. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0043E Unable to create master workload volumes.**

**Explanation**

Cluster manager installation was unable to create master workload volume through the logical volume manager.

**Action**

Check the server logs for errors reported by Logical Volume Manager to find the exact cause of failure.

---

**HSTCM0044E Unable to write cluster attributes control block in cluster manager sector *cm\_sector\_id*.**

**Explanation**

Writing cluster attributes to cluster manager sector failed.

**Action**

Check the server logs for errors reported by Logical Volume Manager. Verify that there are no SAN problems. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0045E Start cluster: start failed. Cluster Manager master has already started.**

**Explanation**

Cluster manager master start detected that the cluster manager master has already started.

**Action**

This is a server internal error. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0046E Start cluster: start failed. Cluster transition already in progress.**

**Explanation**

Cluster manager start detected that the cluster state is invalid. This might mean that another cluster transition is already in progress.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0047E Start cluster: Clean master DB space failed.**

**Explanation**

Cluster manager master start failed to clean the master workload.

**Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0048E Start cluster: Unable to start master workload.**

**Explanation**

Cluster manager master start failed to start the master workload.

**Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0050E Start cluster error: There was an out-of-memory error loading the cluster control block from the Cluster Manager sector *cm\_sector\_id*.**

**Explanation**

Cluster manager master start failed to start because of an out-of-memory condition.

**Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0051E Start cluster error: There was an I/O error loading the cluster control block from the Cluster Manager sector *cm\_sector\_id*.**

**Explanation**

Cluster manager master start failed to start because of an IO error.

**Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0052E Start cluster error: There was an integrity error loading the cluster control block from Cluster Manager sector *cm\_sector\_id*.**

**Explanation**

Cluster manager master start failed to start because the cluster control block failed an integrity check.

**Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0053E Start cluster error: There was an unknown error loading the cluster control block from the Cluster Manager sector *cm\_sector\_id*.**

**Explanation**

Cluster manager master start failed while loading the cluster control block.

### **Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0054E Start cluster: Redo pending actions failed.**

### **Explanation**

Cluster manager master start failed while starting the workload.

### **Action**

This is a fatal server internal error. Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0055E OBSOLETE Stop cluster: stop failed. Cluster transition already in progress.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0069E Error encountered while sending long running process ping message to node ID = *cm\_node\_id* for command type = *cm\_cmd\_type*, RC = *cm\_result\_code*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0070E Error long running process failed: Cluster failure.**

### **Explanation**

A cluster transition occurred while the long running process was active.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0071E** CM master: create volume class=*cm\_class\_id*,  
volId=*cm\_volume\_id*, RC = *cm\_result\_code*

**Explanation**

Creation of one of the master's metadata volumes has failed.

**Action**

Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0073E** Error in redo actions table. Action  
code=0x*cm\_action\_code* is not valid.

**Explanation**

An internal action code was returned while applying a redo action.

**Action**

Check the server logs for earlier error messages to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0074E** Error *cm\_result\_code* sending check fileset message to  
node *cm\_node\_id*.

**Explanation**

The metadata checker failed to send a message to a subordinate node.

**Action**

Resolve the error and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0075E** Fileset Node Done failed with error *cm\_result\_code* for  
node *cm\_node\_id*.

**Explanation**

The metadata checker failed while post processing a set of checks that were done.

**Action**

Resolve the error and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0076E Error *cm\_result\_code* processing check fileset long process reply from node *cm\_node\_id*.**

**Explanation**

The metadata checker failed to process the results of a message from the subordinate node.

**Action**

Resolve the error and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0077E Error *cm\_result\_code* sending FSCK stop message to subordinates using groupcast.**

**Explanation**

The metadata checker failed to send a stop message to a subordinate node.

**Action**

Resolve the error and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0078E Error *cm\_result\_code* sending createArena message.**

**Explanation**

Error sending a create arena request to the master node.

**Action**

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0079E Error *cm\_result\_code* processing create arena.**

**Explanation**

The master node could not process a create arena request.

**Action**

Make sure the master node is alive and not hung. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0080E Error *cm\_result\_code* sending extendArena message.**

**Explanation**

Error sending an extend arena request to the master node.



### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0081E Error *cm\_result\_code* processing extend arena.**

### Explanation

The master node could not process an extend arena request.

### Action

Make sure the master node is alive and not hung. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0082E CM closeArena: Cluster Manager is not started.**

### Explanation

Error closing an arena because the cluster manager has not started.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0083E CM closeArena: Arena with <fileset *cm\_fileset\_name* (*cm\_fileset\_id*), stgpool *cm\_pool\_name* (*cm\_pool\_id*)> was not found.**

### Explanation

Could not find information on a given arena while trying to close it.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0086E Error *cm\_result\_code* sending closeArena message.**

### Explanation

Error sending a close arena request to the master node.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0087E Error *cm\_result\_code* processing unlock arena.**

### Explanation

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0088E LPNo exceeds arena capacity.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0089E Error *cm\_result\_code* sending translatePartition message.****Explanation**

An error occurred when sending a translate partition request to the master node.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0090E Error *cm\_result\_code* translating partition. Partition number = *cm\_partition\_id*.****Explanation**

The master node could not process the given translate partition request.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0091E Error *cm\_result\_code* sending openArena message.****Explanation**

An error occurred when sending an open arena request to the master node.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0092E** Arena with `<fileset cm_fileset_name (cm_fileset_id),  
stgpool cm_pool_name (cm_pool_id)>` does not exist at master.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0093E** Error `cm_result_code` processing open arena.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0094E** Error `cm_result_code` adding capacity to fileset  
`cm_fileset_name (cm_fileset_id)`.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0095E OBSOLETE** Error `cm_result_code` sending `getRootFileset`  
`attr` message.

**Explanation**

Could not send a get root fileset request to the master node.

**Action**

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0096E OBSOLETE** Error `cm_result_code` processing `getRootFileset`  
`attributes`.

**Explanation**

The master node could not process a get root fileset request.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0099E Error *cm\_result\_code* sending cmCheckFilesetDoneMsg message.**

### Explanation

Could not send a lookup fileset request to the master node.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0100E CM initFilesetDesc: Cluster Manager is not started.**

### Explanation

No additional information is available for this message.

### Action

Retry the operation after the cluster manager has started.

---

**HSTCM0101E CM updateFilesetDesc: Cluster Manager is not started.**

### Explanation

No additional information is available for this message.

### Action

Retry the operation after the cluster manager has started.

---

**HSTCM0103I Deleting the fileset descriptor for fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

### Explanation

No additional information is available for this message.

### Action

No action required.

---

**HSTCM0104E CMRep::updateFilesetDesc: Unable to find fileset *cm\_fileset\_name* (*cm\_fileset\_id*). descriptor**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0105I Hard quota violation. The request will be allowed to continue.**

### Explanation

The specified fileset has reached its hard quota value.

### Action

Free up disk space by archiving and removing unused files. If the fileset has FlashCopy images, consider removing the older images.

---

## **HSTCM0107E Unable to assign new fileset to a workload.**

### Explanation

An error occurred while assigning a new fileset to a subordinate node.

### Action

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0108E Unable to create fileset logical volume, RC = *cm\_result\_code*.**

### Explanation

An error occurred while creating the system storage for a new fileset.

### Action

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0109E Unable to add fileset *cm\_fileset\_name* (*cm\_fileset\_id*) to workload on node *cm\_node\_id*.**

### Explanation

An error occurred while adding the new fileset to a subordinate's workload.

### Action

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0110E Unable to update fileset *cm\_fileset\_name* (*cm\_fileset\_id*) quota on node *cm\_node\_id*.**

**Explanation**

An error occurred while updating the fileset's quota on the subordinate.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0114E OBSOLETE Unable to find fileset binding for filesetId=*cm\_fileset\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0115I CM Master: destroy volume *cm\_volume\_name* (*cm\_volume\_id*) failed with RC = *cm\_result\_code*.**

**Explanation**

An error occurred while destroying the system volume associated with the fileset being removed.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0117E Attach fileset failed: *cm\_fileset\_name* cannot be attached to the global root directory.**

**Explanation**

An error occurred while attaching a fileset because the attachpoint specified is the global root directory.

**Action**

Issue the command again with a different attachpoint.

---

**HSTCM0118E** `undo_fileset_attach()` failed with *cm\_result\_code*. Try using `detachfileset` *cm\_fileset\_name*.

**Explanation**

An error occurred recovering from a failed fileset attach command.

**Action**

Issue `detachfileset` to cleanup from the error.

---

**HSTCM0121E** Unable to update quota value for fileset *cm\_fileset\_name* (*cm\_fileset\_id*).

**Explanation**

An error occurred while updating the fileset's quota on the subordinate.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0124E** Error *cm\_result\_code* sending `lookupName` message to node *cm\_node\_id*.

**Explanation**

An error occurred while looking up a name on the subordinate during an administrative command.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0126E** CM Master Attach fileset: error *cm\_result\_code* processing lookup name.

**Explanation**

An error occurred while processing a lookup name request from the subordinate during an administrative command.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0127E Error *cm\_result\_code* sending createWormhole message to node *cm\_node\_id*.**

**Explanation**

An error occurred while trying to create the fileset's attachpoint metadata on the subordinate.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0129E CM master create wormhole: Error *cm\_result\_code* during processing.**

**Explanation**

An error occurred while processing a request to create the fileset's attachpoint metadata on the subordinate.

**Action**

Check the server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0130E Error *cm\_result\_code* sending removeWormhole message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0131E CM master remove wormhole: Error *cm\_result\_code* during processing.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0132E Error *cm\_result\_code* sending Set Fileset Access message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0133E Unable to create wormhole in objId=*cm\_object\_id* for name=*cm\_attachpt\_name*. The name already exists.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0134E *undo\_fileset\_attach()* failed with *cm\_result\_code*. Try using *detachfileset* for filesetID=*cm\_fileset\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0135E Action code 0x*cm\_action\_code* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0136E OBSOLETE Error sending *cmInvalidateDirContentsMsg* with *cm\_result\_code* to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0137E Error *cm\_result\_code* processing invalidate dir request.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0138E Extract filesets information failed: Index operation Error=*cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0139E Extract attach points information failed: Reverse lookup Error=*cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0140E Extract attach points metadata failed: Attach point entry was not found for fileset *cm\_fileset\_name* (*cm\_fileset\_id*).****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0141E Extract attach points information failed: Index operation Error=*cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0142E Error *cm\_result\_code* sending RevLookupName message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0143E CM master reverse lookup name: Error *cm\_result\_code* processing lookup name.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0144E Update failed RC = *cm\_result\_code*, retries=*cm\_retries\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0145E *init\_ccb cm\_fileset\_id*: fetch failed.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0147E OBSOLETE mkimage: Error *cm\_result\_code* sending mkimage message to node *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0148W OBSOLETE FlashCopy command was issued to a subordinate node. This command must be issued to the master node.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0149E OBSOLETE Error *cm\_result\_code* sending FlashCopy Image message to node *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0150E *cm\_command* Error *cm\_result\_code* returned by subordinate.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0152E Unable to write policy set text, RC = *cm\_result\_code*.**

**Explanation**

An error occurred while storing a policy set.

**Action**

Verify that the system storage pool is not full and that there are no SAN problems.

---

**HSTCM0154W Alert: The storage pool usage for *cm\_pool\_name* has exceeded its alert percentage of *cm\_allocation\_alert*%. Current usage is *cm\_allocation\_value*% of capacity.**

**Explanation**

The named storage pool has exceeded the utilization threshold for an alert.

**Action**

If this utilization is a concern, move or delete some files to free up space or increase the capacity of the storage pool. Removing FlashCopy images might also free up space.

---

**HSTCM0155E Unable to delete policy set text, last delete RC = *cm\_result\_code*.**

**Explanation**

An error occurred while deleting a policy set.

**Action**

Verify that there are no SAN problems.

---

**HSTCM0157E Unable to delete policy set text, last delete RC = *cm\_result\_code*.**

**Explanation**

An error occurred while deleting a policy set.

**Action**

Verify that there are no SAN problems.

---

**HSTCM0158E Unable to write policy set text, RC = *cm\_result\_code*.**

**Explanation**

An error occurred while storing a policy set.

**Action**

Verify that the system storage pool is not full and that there are no SAN problems.

---

**HSTCM0160E Unable to delete old active rules, last delete RC = *cm\_result\_code*.**

**Explanation**

An error occurred while deactivating a policy set.

**Action**

Verify that there are no SAN problems.

---

**HSTCM0161E Error *cm\_result\_code* sending invalidate policy set message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0170E Could not create policy set text because of database error RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0171E Extract policy set information failed: Could not reconstruct policy text for policy: *cm\_policy\_name*: Index operation Error=*cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0172E Extract policy set information failed: Index operation Error=*cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0173E Error *cm\_result\_code* processing assignStgPool.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0174E Error *cm\_result\_code* sending getDefaultStgPool message.**

**Explanation**

Could not send a request to the master node requesting the ID of the DEFAULT storage pool.

**Action**

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0175E Error *cm\_result\_code* processing getDefaultStgPool.**

**Explanation**

Master node could not handle the request for the ID of the DEFAULT storage pool.

**Action**

Make sure that the master node is running and not hung. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0176E Error *cm\_result\_code* sending verifyStgPool message.**

**Explanation**

Could not send a request to the master node to verify the ID of a storage pool.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0177E OBSOLETE Error *cm\_result\_code* sending getServiceClass message.**

### Explanation

An error occurred while retrieving details of a service class from the master.

### Action

Verify the server status and network connections.

---

## **HSTCM0178E OBSOLETE Error *cm\_result\_code* processing getServiceClass.**

### Explanation

An error occurred while retrieving details of a service class from the master.

### Action

Verify the server status and network connections.

---

## **HSTCM0180E addserver: Failed. Communication failure**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0181E addserver: Failed. Duplicate server detected.**

### Explanation

No additional information is available for this message.

### Action

Try adding a server with a different IP address and port number.

---

## **HSTCM0182E addserver: Failed. Node is not the master node.**

### Explanation

No additional information is available for this message.



### **Action**

Verify the configuration of the system and retry this command from the master node.

---

**HSTCM0183E addserver: Failed. The server being added could not write the configuration file.**

### **Explanation**

No additional information is available for this message.

### **Action**

Check the permissions and space availability on the server being added to the cluster.

---

**HSTCM0184E addserver: Failed. The commissionee had mismatched configuration values.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0185E addserver: Failed. The commissionee network is not valid.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0186E addserver: Failed. There was an internal Group Services error.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0187E addserver: Failed. Unexpected error (*cm\_result\_code*) commissioning server.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0189E dropserver: Unable to stop workload at node *cm\_node\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem persists, contact your service representative.

---

**HSTCM0190E dropserver: Failed. Communication Failure**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0191E dropserver: Failed. Argument not valid**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0192E dropserver: Failed. Node is not the master node.**

**Explanation**

No additional information is available for this message.

**Action**

Verify the system configuration and retry this command from the master node.

---

**HSTCM0193E droptserver: Failed. Unexpected error (*cm\_result\_code*) decommissioning server.****Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0194E CM Error: stopserver was run on subordinate node****Explanation**

No additional information is available for this message.

**Action**

Verify the system configuration and retry this command from the master node.

---

**HSTCM0195E CM Error: stopserver was run during cluster transition****Explanation**

No additional information is available for this message.

**Action**

Submit the command again. If the error continues to occur, verify the system configuration.

---

**HSTCM0196E CM Error: stopserver run for nonexistent server at IP address *cm\_ip\_address*, port *cm\_port\_id*.****Explanation**

No additional information is available for this message.

**Action**

Retry the stopserver command on an active server.

---

**HSTCM0197E** CM Error: stopserver run for unclustered server at IP address *cm\_ip\_address*, port *cm\_port\_id*.

**Explanation**

No additional information is available for this message.

**Action**

Retry the stopserver command on a clustered server.

---

**HSTCM0198E** stopserver: Unable to stop workload at node *cm\_node\_id*, RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0199E** stopserver: Failed. Communication Failure

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0200E** stopserver: Failed. Argument not valid

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0201E** stopserver: Failed. Node is not the master node

**Explanation**

No additional information is available for this message.

### Action

Verify the system configuration and retry this command from the master node.

---

**HSTCM0202E stopserver: Failed. Unexpected error (*cm\_result\_code*) shutting down server.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. If the problem continues, contact your service representative.

---

**HSTCM0203I CM master: listFilesInFileset() returned RC = *cm\_result\_code*.**

### Explanation

An error occurred while retrieving the names of files allocated on a given volume.

### Action

Repeat the reportvolfiles command and if the error persists, contact your service representative.

---

**HSTCM0204W OBSOLETE Create storage pool was run on subordinate node or during cluster transition.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0208E delete\_storagepool: Could not find StorageReclaimInfo entry for deletion**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0210W** `updateStoragePool()`: `StorageReclaimInfo` is inconsistent.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0214E** **OBSOLETE** Error `cm_result_code` sending update storage pool message to node `cm_node_id`.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0215E** Error `cm_result_code` sending update storage pool message.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0216E** Extract storage pools information failed: Index operation Error=`cm_result_code`.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0217E** Error `cm_result_code` sending `getServerNodeId` message.

**Explanation**

Error sending a "get server node ID request" to the master node.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0218E Error *cm\_result\_code* processing *getServerNodeId* for fileset *cm\_fileset\_id*.**

### Explanation

The master node could not process a "get server node ID request."

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0219W Load map updated while a query was in progress. There might be a mismatch in the node serving the fileset. Fileset *cm\_fileset\_name* (*cm\_fileset\_id*). Looked up node *cm\_node\_id*. Query result *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

No action required.

---

**HSTCM0220E Clean workload failed on node *cm\_node\_id* RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0221E Unable to start workload on node *cm\_node\_id* RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0222E Open fileset failed for node *cm\_node\_id*, DB Space=*cm\_dbpace\_id*, RC = *cm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0223E Start DB Spaces failed for node *cm\_node\_id* RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0224E Open fileset failed for node *cm\_node\_id*, DB Space=*cm\_dbpace\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0225E OBSOLETE TM Open fileset failed for node *cm\_node\_id*, DB Space=*cm\_dbpace\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0230W OBSOLETE No default service class found!**

**Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0232E OBSOLETE Error *cm\_result\_code* sending update svcclass message to node *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0233E OBSOLETE Error *cm\_result\_code* sending update svcclass message.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0234E OBSOLETE Extract Service\_Classes Info Failed : Index Operation Error=*cm\_result\_code***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0235W CM Master: *getStgCapacity()* - CM master not started.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0237W WARNING: No description for system volumes.  
Description is ignored.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0240W WARNING: No description field for system volume.  
Description ignored.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0244E OBSOLETE Disk not configured in GIO.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0245E OBSOLETE CM Master: isFilesetOnStoragePool() - fetch arena failed**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0246E Error *cm\_result\_code* sending *cm\_message\_name* to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0247E CM Master: listFilesInFileset() - cannot allocate memory.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0248E Find user volume failed : Index scan error RC = *cm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0249E drain\_user\_volume(): No enough space for partition movement. Available space = *cm\_available\_space*. Required space = *cm\_required\_space*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0250E Remove volume:- set\_volume\_alloc(): Fetch volume record failed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0251E Remove volume:- set\_volume\_alloc(): Replace volume record failed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0252E Remove volume:- set\_volume\_alloc(): Commit transaction failed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0253E Remove volume failed: check\_alternate\_space(): Volume table index access error. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0254E Remove volume: process\_arenas() - unable to find ctl blk for arena <*cm\_fileset\_id,cm\_pool\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0255E Move Partition: Lock partition failed, partition: *cm\_partition\_id* and RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0256E OBSOLETE move\_partition: error invalidating subordinate cache. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0257E move\_partition: error invalidating client cache. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0258E move\_partition: Error allocating new partition. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0259E** *move\_partition*: Error inserting dealloc redo action. RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0260E** *move\_partition*: Copy partition failed. RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0261E** *move\_partition*: Copy partition failed. RC = *cm\_result\_code*, **Retry** = *cm\_retries\_number*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0262E** *move\_partition*: unable to deallocate partition: *cm\_partition\_id* on Disk: *0xcm\_disk\_id*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0263E** *move\_partition*: Error deleting redo action.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0264E move\_partition: Error committing transaction.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0265E Remove volume: unable to unlock logical partition:  
*cm\_partition\_id*, RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0266E Redistribute Partition: unable to deallocate partition:  
*cm\_partition\_id* on Disk: 0x*cm\_disk\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0267E Error *cm\_result\_code* Invalidating partition cache on subordinate node.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0268E Error *cm\_result\_code* changing state of partitions.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0269E Error *cm\_result\_code* processing remove files on disk.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0271E Not an integer amount of sectors sizes on two volumes. Old volume sector size = *cm\_volume\_size*. New volume sector size = *cm\_volume\_size*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0272E Not an integer amount of sectors per partition in old volume.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0273E Not an integer amount of sectors per partition in new volume.****Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0274E Read Failure in copy\_partition(). RC = *cm\_result\_code***  
**Start Sector: *cm\_sector\_id* Sector Count: *cm\_sector\_count***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0275E Write Failure in copy\_partition(). RC = *cm\_result\_code***  
**Start Sector: *cm\_sector\_id* Sector Count: *cm\_sector\_count***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0276E Extract Volumes Info Failed : Could not get local name for diskId = 0x*cm\_disk\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0277E Extract Volumes Info Failed : Index Operation Error = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0278E OBSOLETE Unable to get fileset *cm\_fileset\_name* (*cm\_volume\_id*) binding for write-ahead log.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0279E Unable to rebalance workload -- CM Master not started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0281E Unable to build list of write-ahead logs on master.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0282E Unable to build write-ahead logs to fileset binding map for write-ahead log VolId=*cm\_volume\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0283E Unable to get write-ahead log volume ID from subordinate *cm\_node\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0284E Unable to stop workload at node *cm\_node\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0285E Unable to replace master record.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0286E Unable to add new write-ahead log volId to persistent table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0287E Unable to create new write-ahead log for the node.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0288E Error committing new write-ahead log transaction.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0289E Unable to clean unclaimed workload, write-ahead log volId=*cm\_volume\_id* on node *cm\_node\_id*, RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0290E Unable to unbind fileset *cm\_fileset\_name* (*cm\_fileset\_id*) from old write-ahead log.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0291E Unable to commit fileset unbind transaction.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0292E Cannot start added filesets on node *cm\_node\_id*, RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0293E Error updating write-ahead log version adding filesets to node *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0294E Unable to bind fileset *cm\_fileset\_name* (*cm\_fileset\_id*) to write-ahead log *cm\_volume\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0295E Unable to commit write-ahead log bind transaction.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0296E Unable to remove write-ahead log binding for fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0297E Unable to remove filesets from node *cm\_node\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0298E Error updating write-ahead log version removing filesets from node *cm\_node\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0299E Unable to commit rebalance unbind transaction.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0300E Unable to add filesets to node *cm\_node\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0301E Error updating write-ahead log version moving filesets to node *cm\_node\_id*.****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0302E Unable to change write-ahead log binding for fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0303E Unable to commit rebalance bind transaction.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0304E Unable to bind fileset *cm\_fileset\_name* (*cm\_fileset\_id*) to write-ahead log VolumeID=*cm\_volume\_id*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0305E Error updating write-ahead log version moving filesets to node *cm\_node\_id*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0306E Error *cm\_result\_code* sending invalidate load map groupcast.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0307E Error *cm\_result\_code* sending get write-ahead log message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0309E Error *cm\_result\_code* sending clean workload message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0310E Error *cm\_result\_code* processing clean workload.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0311E Unable to start reclaimed workload, write-ahead log volId=*cm\_volume\_id* on node *cm\_node\_id*, RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0312E Unable to start assigned workload, write-ahead log volId=*cm\_volume\_id* on node *cm\_node\_id*, RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0313E Unable to get node *cm\_node\_id* to rescan its disks, RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0314E Error *cm\_result\_code* sending start workload message to node *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0315E Error *cm\_result\_code* processing start workload.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0316E Error *cm\_result\_code* sending stop workload message to node *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0317E Error *cm\_result\_code* processing stop workload.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0318E Error *cm\_result\_code* sending start serving message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0319W OBSOLETE CM master is not started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0320W OBSOLETE CM Master is not running on this node.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0321W Volume *cm\_volume\_name* does not exist.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0322E Storage pool information read failed. Return code = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0323W Storage pool *cm\_pool\_name* (*cm\_pool\_id*) partition size is zero. Lost integrity.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0325I Volume *cm\_volume\_name* is removed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0326E GIO failed to decommission disk = *0xcm\_disk\_id*. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0327E Delete record from *cm\_volume\_name* table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0328E Fetch record from *cm\_volume\_name* table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0329E Replace record from *cm\_volume\_name* table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0330E Commit transaction failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0331E** CMMRuleStreamBuf problem, testRecordFit RC = *cm\_result\_code* setting *sb\_maxRecord* to *cm\_max\_record\_size*.

**Explanation**

Error in setting up the CM policy rule stream buffer record size.

**Action**

This is a transient problem. No action required.

---

**HSTCM0332E** Error *cm\_result\_code* sending getStgCapacity message.

**Explanation**

Could not send a request to the master node asking for the total amount of storage space managed by the cluster.

**Action**

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0333E** Error *cm\_result\_code* processing get capacity.

**Explanation**

The master node could not process a request asking for the total amount of storage space managed by the cluster.

**Action**

Make sure that the master node is alive and not hung. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0334E** CMLOCAL: Disk scanning error

**Explanation**

Error scanning the disks during cluster transition.

**Action**

This is a serious problem. Contact your service representative immediately.

---

**HSTCM0335S** CALLHOME: CMLOCAL: Disk scanning error. The server process is stopping.

**Explanation**

Unrecoverable error while scanning the disks during cluster transition. The server process will stop as a result.

**Action**

This is a serious problem. Contact your service representative immediately.

---

**HSTCM0336I CMSTATE\_INJ: State transition begin failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0337I CMSTATE\_INJ: State transition pre-prepare failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0338I CMSTATE\_INJ: State transition post-prepare failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0339I CMSTATE\_INJ: State transition post commit-abort failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0340I CMSTATE\_INJ: State transition stalled at start of lock revoke.****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0341I CMSTATE\_INJ: State transition stalled at end of lock revoke.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0342I CMSTATE\_INJ: State transition stalled at ClientIOTxn.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0343I CMSTATE\_INJ: State transition stalled at syncWorkload.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0344I CMSTATE\_INJ: State transition stalled at suspendIO.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0345I CMSTATE\_INJ: Stall for client TmTxn in execution.**

### **Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0347S Fileset *cm\_fileset\_name* has detected unknown error *cm\_result\_code*.**

### Explanation

An unknown error occurred while reporting quota information for a fileset.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0348E Invalid partition size *cm\_partition\_size* specified for pool *cm\_pool\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0349E Invalid block size *cm\_block\_size* specified for pool *cm\_pool\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0350E Invalid block size/partition size specified. There must be at least *cm\_block\_size* blocks per partition.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0351E** *cm\_pool\_name* name exceeds the maximum length of *cm\_max\_name\_length* characters.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0352E** *cm\_pool cm\_pool\_name* description exceeds the maximum length of *cm\_max\_name\_length* characters.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0353E** Invalid alert value *cm\_alert\_percent* specified for *cm\_pool cm\_pool\_name*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0354E** *cm\_default\_pool\_name*: Cluster Manager master node was not started.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0355E** *cm\_storagepooldelete* was run on subordinate node or during a cluster transition.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0356E** You cannot change the name of the system pool.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0357E** You cannot set the system pool as the default.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0358E** You cannot change the description of the system pool.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0359E** *cm\_callback\_name* callback registration failed. RC = *cm\_result\_code*.

**Explanation**

Either the callback was already registered or there was an internal error while registering the callback. View the error code.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

## **HSTCM0360E Error restarting the space reclamation thread.**

### **Explanation**

Internal Error: Space reclamation thread could not be restarted. As a result, the background thread to reclaim freed space is no longer running.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

## **HSTCM0361E There was an out-of-memory error. The space reclamation thread is shutting down.**

### **Explanation**

The space reclaim thread has encountered an unexpected out-of-memory error while initializing the space reclaim control block. As a result the space reclaim thread is shutting down.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

## **HSTCM0362I Shutting down the space reclamation thread.**

### **Explanation**

The administrator has either stopped the space reclamation thread or there is a cluster transition. There also might be an internal error.

### **Action**

No action is needed if the administrator shuts down or the cluster transitions.

For both situations, view the log messages to determine the cause of thread shutdown. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0363E SRT\_scan\_stgpools(): Could not find Storage Pool ID = *cm\_pool\_id*.**

**Explanation**

Internal error: Unable to find the given storage pool message.

**Action**

Run the metadata checker to verify the integrity of the system. Based on the results, run metadata checker in the salvage mode or consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0364E SRT\_scan\_stgpools(): Could not update Storage Pool ID = *cm\_pool\_id*.**

**Explanation**

Internal error: No additional information is available for this message.

**Action**

Run the metadata checker to verify the integrity of the system. Based on the results, run the metadata checker in the salvage mode or consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0365E scan\_stgool\_arenas: Unable to find control block for arena with filesetId *cm\_fileset\_id*, stgPoolID *cm\_pool\_id*.**

**Explanation**

Internal error: No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0366E Cannot find node serving this Arena, error *cm\_result\_code*.**

**Explanation**

Either the serving node is down or it does not exist.

**Action**

No action is required; review the server and cluster logs for details. The arena will be skipped. If the network partition is repaired and connectivity with the master is restored, the subordinate will automatically rejoin the cluster.

---

**HSTCM0367E SRT\_scan\_stgpool\_arenas(): Error finding an arena. Skipping the arena.**

**Explanation**

The arena processing will be skipped during this run of space reclamation thread.

**Action**

Review the server and cluster logs for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0368E SRT\_process\_partition() failed with retVal = *cm\_result\_code*.**

**Explanation**

Either the fileset is not being served any longer or there is a messaging error between the nodes.

**Action**

Review the server and cluster logs for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0369E SRT\_scan\_stgpool\_arenas(): could not update arena hint.**

**Explanation**

Either the fileset is not being served any longer or there is a messaging error between the nodes.

**Action**

Review the server and cluster logs for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0370E OBSOLETE Error *cm\_result\_code* sending cmGetArenaFreePartitionsMsg failed to node = *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0371E SRT\_process\_partitions(): Partition is already locked**  
*cm\_partition\_id.*

**Explanation**

Internal Error: Space reclaim thread tried to lock a partition that is already locked. The reclaim thread is shutting down.

**Action**

Run the metadata checker to check the integrity of the system. Contact your service representative for additional assistance.

---

**HSTCM0372E SRT\_process\_partition(): Lock partition failed,**  
**partition = *cm\_partition\_id*. RC = *cm\_result\_code*.**

**Explanation**

Internal Error: Space reclaim thread could not lock the partition.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0373E process\_partition(): Unable to delete partition:**  
***cm\_partition\_id* on disk: *0xcm\_disk\_id*. RC = *cm\_result\_code*.**

**Explanation**

Internal Error: Space reclaim thread could not delete the specified partition.

**Action**

View the log.std to find the cause of the problem. Also, run the metadata checker to assess the system integrity. Contact your service representative for additional assistance.

---

**HSTCM0374E OBSOLETE Error *cm\_result\_code* sending**  
**cmArenaSpaceReclaimCandidateMsg failed to node = *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0375E OBSOLETE Error *cm\_result\_code* sending  
cmUpdateReclaimHintMsg failed to node = *cm\_node\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0376S CMSTATE: Fatal error. Illegal request made to  
transition from state *cm\_state\_name* to state *cm\_state\_name*.**

**Explanation**

The requested immediate state transition could not be completed. There are several possible reasons for this, including: 1) The new state is the same as the old state, 2) The new state does not exist, or 3) The transition is the incorrect type. All of these errors are an indication of a program defect and are fatal.

**Action**

The server immediately stops.

---

**HSTCM0377S CALLHOME: CMSTATE: Fatal error. Illegal request made to  
transition from state *cm\_state\_name* to state *cm\_state\_name*. The  
server process is stopping.**

**Explanation**

The requested immediate state transition could not be completed. There are several possible reasons for this, including: 1) The new state is the same as the old state, 2) The new state does not exist, or 3) The transition is the incorrect type. All of these errors are an indication of a program defect and are fatal.

**Action**

The server immediately stops.

---

**HSTCM0378E CMSTATE: Begin transition for state transition failed.  
RC = *cm\_result\_code***

**Explanation**

A failure occurred when attempting to change the administrative state of the metadata server.

**Action**

If the metadata server is in the desired state, no further action is required. You can verify the state of the server using the `statcluster` command.

If the metadata server is not in the desired state, run the original `quiescecluster` or `resumecluster` command again, potentially using the `-force` option. You should also check for other error messages that occurred when the command was first issued. This might reveal other problems that you need to address.

---

**HSTCM0379E CMSTATE: 2PC for state transition failed. RC = *cm\_result\_code***

**Explanation**

The attempt to perform a clusterwide state transition has failed. There are several possible reasons for this, which include a subordinate server crash or a violation of the grace period policy. The specific error will also be written to the log.

**Action**

The transition is stopped, and the cluster is returned to its original state. After error examination, the transition command can be issued again.

---

**HSTCM0380E GS: Node=*cm\_node\_id* failed with error code = *cm\_result\_code*.**

**Explanation**

The specified node had the given error when attempting to perform the state transition.

**Action**

The transition is stopped and the cluster is returned to its original state. After error examination, the transition command can be issued again.

---

**HSTCM0381S CMSTATE: Fatal error beginning graceful shutdown. The server process is stopping.**

**Explanation**

The attempt to begin graceful shutdown of an individual server failed. There are several possible reasons for this, such as the server being in an inappropriate state to shutdown.

**Action**

The server immediately stops, ungracefully.

---

**HSTCM0382S CALLHOME: CMSTATE: Fatal error beginning graceful shutdown. The server process is stopping.**

**Explanation**

The attempt to begin graceful shutdown of an individual server failed. There are several reasons for this, including the server being in an inappropriate state to shutdown.



### Action

The server immediately stops, ungracefully.

---

## **HSTCM0383E CMSTATE: Failed to register 2PC callback functions.**

### Explanation

The CM layer failed to register its callback functions with GS as part of system startup.

### Action

The server startup immediately fails.

---

**HSTCM0384E CMSTATE *cm\_state\_name* fatal error. Incorrect type given in transition request. Current state = *cm\_state\_name*. Pending state = *cm\_state\_name*. New state = *cm\_state\_name*. New Type = *cm\_state\_type*.**

### Explanation

The type of transition being requested is not correct.

### Action

The server immediately stops.

---

**HSTCM0387E Alert. Fileset *cm\_fileset\_name* hard quota violation - request denied. Alert at *cm\_quota\_limit*%, current allocation is *cm\_quota\_allocation*%. The fileset id is *cm\_fileset\_id*.**

### Explanation

The specified fileset has reached its hard quota value.

### Action

Free disk space by archiving and removing unused files. If the fileset has FlashCopy images, consider removing the older images.

---

**HSTCM0388W Alert. Fileset *cm\_fileset\_name* soft quota violation. Alert at *cm\_quota\_limit*%, current allocation is *cm\_quota\_allocation*%. The fileset id is *cm\_fileset\_id*.**

### Explanation

The specified fileset has reached its soft quota value.

### Action

Free disk space by archiving and removing unused files. If the fileset has FlashCopy images, consider removing the older images.

---

**HSTCM0389W Alert.** Fileset *cm\_fileset\_name* alert at *cm\_quota\_limit%%*, current allocation is *cm\_quota\_allocation%%*. The fileset id is *cm\_fileset\_id*.

**Explanation**

The specified fileset has reached its hard quota value.

**Action**

Free disk space by archiving and removing unused files. If the fileset has FlashCopy images, consider removing the older images.

---

**HSTCM0390I Alert.** The cluster state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The cluster has made the described state transition.

**Action**

None

---

**HSTCM0391W Alert.** The cluster state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The cluster has made the described state transition.

**Action**

None

---

**HSTCM0392E Alert.** The cluster state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The cluster has made the described state transition.

**Action**

None

---

**HSTCM0393I Alert.** The cluster state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The cluster has made the described state transition.

**Action**

None

---

**HSTCM0394I Alert.** The server state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The server has made the described state transition.

**Action**

None

---

**HSTCM0395W Alert.** The server state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The server has made the described state transition.

**Action**

None

---

**HSTCM0396E Alert.** The server state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The server has made the described state transition.

**Action**

None

---

**HSTCM0397I Alert.** The server state has changed from *cm\_cluster\_state\_name(cm\_cluster\_state\_value)* to *cm\_cluster\_state\_name(cm\_cluster\_state\_value)*.

**Explanation**

The server has made the described state transition.

**Action**

None

---

**HSTCM0398E Setting fileset access to *cm\_state* state failed on node *cm\_node\_id*. Return code *cm\_result\_code*, fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0399E createFileset: Replace master record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0400E UpdateFileset: Cluster must be in an Offline state to reassign a fileset from a server in the active group.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0401E Warning. Administrator must have powered off the old node.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0402E UpdateFileset: Subtract workload failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0407E Find Fileset: Fetch record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0408E get\_fileset\_access: Fetch from fileset table failed for FilesetID = *cm\_fileset\_id*. Error = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0409I OBSOLETE Warning. Fileset *cm\_fileset\_name* (*cm\_fileset\_id*) is not served by any server.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0410E get\_server\_name: Fetch from fileset table failed. RC = *cm\_result\_code*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0411E UpdateFileset: Add to workload failed. Fileset *cm\_fileset\_name (cm\_fileset\_id)*, New node ID=*cm\_node\_id*, New write-ahead log volume ID=*cm\_wal\_volume\_id*, New write-ahead log Version=*cm\_wal\_version*. RC=*cm\_result\_code*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0412E create\_fileset: Fileset table insert failed. RC = *cm\_result\_code*.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0413E child\_fileset\_exists: Fetch from attachpoint table failed. RC = *cm\_result\_code*.**

### **Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0414E Show write-ahead log volumes : Error encountered while scanning write-ahead log volume table. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0415E Fetch fileset binding : Error encountered while scanning fileset binding table. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0416E Get write-ahead log List: Index scan error. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0417E Clean workload failed. Write-ahead log volume ID: *cm\_wal\_volume\_id*, Node ID: *cm\_node\_id*, Write-ahead log version: *cm\_wal\_version*, Fileset count: *cm\_fileset\_count*. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0418E Assign workload failed. No write-ahead log volume found for the node: *cm\_node\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0419E OBSOLETE Delete workload failed. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0420E Find write-ahead log: Fetch from the fileset bind table failed. Fileset *cm\_fileset\_name* (*cm\_fileset\_id*), RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0421E Warning. Fileset *cm\_fileset\_name* (*cm\_fileset\_id*) is not served by any server.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0422E Bind to write-ahead log: Fetch from the write-ahead log table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0423E Bind to write-ahead log: Replace record in fileset binding failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0424E Bind to write-ahead log: Insert record in fileset binding failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0425E Bind to write-ahead log: Fetch from fileset binding failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0426E Unbind write-ahead log: Fetch from fileset binding failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0427E Unbind write-ahead log: Replace record from fileset binding failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0428E Update write-ahead log version: Replace record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0429E Update write-ahead log version: Write-ahead log volume was not found in the loadmap cache.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0430E OBSOLETE Increment write-ahead log version: Transaction commit failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0431E OBSOLETE Change fileset assignment: Delete record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0432E get\_fileset\_binding: Fetch from write-ahead log table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0433E get\_fileset\_binding: Fetch from fileset binding table failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0435E** *cm\_getServerNodeId\_string*: Cluster Manager master is not running.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0436E** Bind to write-ahead log: Write-ahead log volume *cm\_wal\_volume\_id* was not found in the write-ahead log table.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0437E** Create fileset: Commit transaction failed. RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0438E** Delete redo entry failed. RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0439E** Update fileset: Increment write-ahead log version failed. RC = *cm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0440E Update fileset: Recover fileset failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0441E Update fileset: Change fileset reassignment failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0442E Update fileset: Replace fileset table record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0443E update\_root\_fileset: Replace fileset table record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0444E check\_fileset\_bind: Fetch fileset table record failed.**  
**RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0445E delete\_volume: Cache all write-ahead log partition group cast failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0446E reassign\_root\_fileset: Fetch root fileset binding record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0447E reassign\_root\_fileset: Fetch root fileset record failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0448E** `reassign_root_fileset: Replace root fileset binding record failed. RC = cm_result_code.`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0449E** `reassign_root_fileset: Transaction commit failed. RC = cm_result_code.`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0450E** `Warning. Fileset cm_fileset_name (cm_fileset_id) is assigned to a server that is not part of the cluster.`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0451E** `assign_static_filesets: Replace fileset binding record failed. RC = cm_result_code.`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0452E assign\_static\_filesets: Transaction commit failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0453I Space reclaim skipped for arena (CID: *cm\_fileset\_id*, STGP00L ID: *cm\_pool\_id* ) because the fileset server state is Offline.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0454E Unable to resume workload on node: *cm\_node\_id*, Write-ahead log volume ID: *cm\_volume\_id*, Version: *cm\_wal\_version*. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0455E OBSOLETE The allocation size *cm\_allocation\_size* specified for pool *cm\_pool\_name* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0456E Salvage cluster attributes failure: Store failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0457E Salvage cluster-attributes failure: Volatile Cluster-Attributes Control block check failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0458E Check root failure: Check for *cm\_root\_page\_name* index root page failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0459E Salvage root failure: Error *cm\_result\_code* during locate root of index ( Type *cm\_index\_type* ID *0xcm\_index\_id* ).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0460I Salvaging Cluster Manager cluster attributes record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0461I Salvaging Cluster Manager master record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0462E Salvage Cluster Manager master record failure: Replace record failed with error *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0463I Salvaging full Cluster Manager *cm\_attach\_points\_string* table.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0464E Check Cluster Manager *cm\_fileset\_name* unexpected failure: Fetch from *cm\_attach\_points\_string* table failed with error *cm\_result\_code*.****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0465E Salvage Cluster Manager *cm\_fileset\_name* record failure: Fetch from *cm\_attach\_points\_string* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0466E Destroy Cluster Manager *cm\_attach\_points\_string* record failure: Fetch from *cm\_attach\_points\_string* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0467E Salvage Cluster Manager *cm\_attach\_points\_string* table failure: Drain of *cm\_attach\_points\_string* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0468E Salvage Cluster Manager *cm\_fileset\_name* record failure: Insert/replace into table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0469E OBSOLETE Salvage Cluster Manager *cm\_fileset\_name* record failure: Delete from *cm\_fileset\_name* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0470E Destroy Cluster Manager *cm\_redo\_actions\_string* record failure: Delete from *cm\_redo\_actions\_string* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0471E OBSOLETE Destroy Cluster Manager *cm\_attach\_points\_string* record failure: Insert/replace into *cm\_fileset\_name* table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0472E Check Cluster Manager arenas: Check root of LOGICAL-PARTITIONS root failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0473I Salvaging Cluster Manager arenas record: Arena=<fileset *cm\_fileset\_name* (*cm\_fileset\_id*), stgpool *cm\_pool\_name* (*cm\_pool\_id*)>**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0474I Destroying Cluster Manager arenas record: Arena=<filesetId=*cm\_fileset\_id*,stgPoolId=*cm\_pool\_id*>**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0475E Salvage Cluster Manager arenas record: Check root of LOGICAL-PARTITIONS root failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0476E Destroy Cluster Manager arenas record: Drain of LOGICAL-PARTITIONS table failed with error *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0477E Destroy Cluster Manager arenas record: DestroyIndex of LOGICAL-PARTITIONS root failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0478I Destroying Cluster Manager LOGICAL-PARTITIONS record: LPT Record <PartitionNo=*cm\_partition\_number*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0479I OBSOLETE Salvaging Cluster Manager attach points record: Attach point records for fileset ID=*cm\_fileset\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0480I Salvage Cluster Manager filesets record: Volatile fileset control-block access failed with error *cm\_result\_code*. Record will be destroyed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0481I Salvage Cluster Manager filesets record: Volatile fileset control-block sanity check failed. Record will be destroyed.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0482I Salvage Cluster Manager filesets record: Logical Volume Manager FindVolume for *cm\_object\_id* key failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0483I Salvaging Cluster Manager filesets record: Fileset <filesetId=*cm\_fileset\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0484E Salvage Cluster Manager filesets record: find\_node failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0485I Destroying Cluster Manager filesets record: <fileset *cm\_fileset\_name*, (*cm\_fileset\_id*)>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0486W Destroy Cluster Manager filesets record: Setting fileset Offline failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0487W Destroy Cluster Manager filesets record: Revoke locks control\_data\_access failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0488I Destroying Cluster Manager redoactions record: RedoAction <key=*cm\_redo\_key*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0489E Check Cluster Manager storage pools record:  
verifyDiskId diskID=0xcm\_disk\_id for last allocated disk failed with  
error cm\_result\_code.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0490I Salvaging Cluster Manager storage pools record: stgpool  
<cm\_pool\_name (cm\_pool\_id)>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0491I Destroying Cluster Manager storage pools record:  
StgPool <stgpool=cm\_pool\_name (cm\_pool\_id)>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0492E Check/Salvage Cluster Manager volumes record:  
verifyDiskId diskID=0xcm\_disk\_id failed with error cm\_result\_code.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0493I Salvaging Cluster Manager volumes record: Volumes**  
**<stgpool=*cm\_pool\_id* (*cm\_pool\_name*), diskId=0x*cm\_disk\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0494I Destroying Cluster Manager volumes record: Volumes**  
**<stgpool=*cm\_pool\_id* (*cm\_pool\_name*), diskId=0x*cm\_disk\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0495I OBSOLETE Destroy Cluster Manager volumes record:**  
**Deleting LPT Record <PartitionNo=*cm\_partition\_number*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0496I Salvage Cluster Manager WALvolumes record: Logical**  
**Volume Manager FindVolume for *cm\_lvm\_volume\_id* key failed with error**  
***cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0497E Salvage Cluster Manager WALvolumes record: find\_node failed with error = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0498I Salvaging Cluster Manager fileset bindings record: FilesetBinding <filesetId=*cm\_fileset\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0499I Salvaging Cluster Manager WALvolumes record: WALVolumes <walVolumeId=*cm\_wal\_volume\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0500I Destroying Cluster Manager WALvolumes record: WALVolumes <walVolumeId=*cm\_wal\_volume\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0502I Salvaging default policy set.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0503I Destroying Cluster Manager policy set texts record:  
PolicySetText <PolicyId=*cm\_policy\_id*, SegmentNo=*cm\_segment\_number*>**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0504E Salvage Cluster Manager derived policy tables failure:  
Fetch from *cm\_policy\_sets\_string* table failed with error  
*cm\_result\_code***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0505I Salvaging all Cluster Manager derived policy tables by  
reactivating active policy set.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0506I Using Default policy set for activation. Failed to find  
and activate previous active policy set <policyId = *cm\_policy\_id* >**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0507E Salvage or Upgrade Cluster Manager derived policy tables failure: ActivatePolicy failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0508E OBSOLETE Check Cluster Manager filesets record: find\_node failed with error *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0509E Error encountered while processing redo actions table. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0510W reverttoimage for fileset *cm\_fileset\_name* (*cm\_fileset\_id*) failed: Fileset has child filesets.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0511E Extract system metadata failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0512E Extract filesets failed. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0513E Extract attach points failed. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0514E Extract policy sets failed. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0515E Extract storage pools failed. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0516E OBSOLETE Extract service classes failed. RC = *cm\_result\_code*.****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0517E Extract volumes failed. RC = *cm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0518E OBSOLETE Bind error in policy set *cm\_policy\_set\_name* rule *cm\_rule\_name*. Service class *cm\_service\_class\_name* does not exist.**

### Explanation

The policy set that was activated contains a reference to a service class that does not exist.

### Action

Update the policy set or create the missing service class.

---

## **HSTCM0519E Bind error in policy set *cm\_policy\_set\_name* rule *cm\_rule\_name*. Storage pool *cm\_pool\_name* does not exist.**

### Explanation

The policy set that was activated contains a reference to a storage pool that does not exist.

### Action

Update the policy set or create the missing storage pool.

---

## **HSTCM0520E Bind error in policy set *cm\_policy\_set\_name* rule *cm\_rule\_name*. Fileset *cm\_fileset\_name* does not exist.**

### Explanation

The policy set that was activated contains a reference to a fileset that does not exist.

### Action

Update the policy set or create the missing fileset.

---

**HSTCM0573E OBSOLETE** Arg`cm_argument_index` [ key |  
cmRedoActionHeader | cmRedoWormHole | cmRedoPartitionStateChange |  
cmRedoDeallocPartition | cmRedoUpdateFilesetQuota |  
cmRedoLVMVolumeOperationRecord | pattern ]

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0624E Check CM Failure : CM cluster attributes magic number**  
`cm_magic_index` is `cm_magic_value`, should be `cm_magic_value`.

**Explanation**

The metadata checker detected a corruption in the cluster attributes.

**Action**

Repeat the metadata check and if the error persists, contact your service representative.

---

**HSTCM0625E Check Cluster Manager failure: Cluster Manager cluster**  
**attributes software version** `cm_version` should be `cm_version`

**Explanation**

The metadata checker detected a corruption in the cluster attributes.

**Action**

Repeat the metadata check. If the error persists, contact your service representative.

---

**HSTCM0626E Check Cluster Manager failure: Cluster Manager cluster**  
**attributes record length** `cm_record_length` should be  
`cm_record_length`.

**Explanation**

The metadata checker detected a corruption in the cluster attributes.

**Action**

Repeat the metadata check. If the error continues, contact your service representative.



---

**HSTCM0627E Check Cluster Manager failure: Cluster Manager cluster attributes reserved space *cm\_reserved\_space\_number* is incorrect.**

**Explanation**

The metadata checker detected a corruption in the cluster attributes.

**Action**

Repeat the metadata check. If the error continues, contact your service representative.

---

**HSTCM0628I Salvaging Cluster Manager cluster attributes control block.**

**Explanation**

No additional information is available for this message.

**Action**

No action is required.

---

**HSTCM0629S Salvage Cluster Manager failure: Cluster Manager cluster attributes store failed. RC = *cm\_result\_code***

**Explanation**

The metadata checker could not repair the cluster attributes.

**Action**

Repeat the metadata check. If the error persists, contact your service representative.

---

**HSTCM0630E Check Cluster Manager failure: Cluster Manager arenas table record/key wrong size for <fileset *cm\_fileset\_name* (*cm\_fileset\_id*), stgpool *cm\_pool\_name* (*cm\_pool\_id*)>**

**Explanation**

The metadata checker has found a problem with a record key in the arenas table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0631E Check Cluster Manager failure: Cluster Manager arenas table key's fileset ID *cm\_fileset\_id* was not found in filesets table.**

**Explanation**

The metadata checker has found a problem with a record key in the arenas table. The fileset the arena refers to does not exist.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0632E Check Cluster Manager failure: Cluster Manager arenas table key's storage pool ID *cm\_pool\_id* was not found in storage pools table.**

**Explanation**

The metadata checker has found a problem with a record key in the arenas table. The storage pool to which the arena refers does not exist.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0633S Check Cluster Manager failure: Cluster Manager arenas table record LPT root check failed. Root = *cm\_root\_page*.**

**Explanation**

The metadata checker has found a problem with the root page of a logical partition map table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0634E Check Cluster Manager failure: Cluster Manager *cm\_object\_name* table record version *cm\_version* should be *cm\_version*.**

**Explanation**

The metadata checker has found a problem with a record. The version of the record is invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0635E Check Cluster Manager failure: Cluster Manager arenas table record capacity *cm\_capacity* is incorrect. It should be *cm\_partition\_highest*.**

### Explanation

The metadata checker has found a problem with the capacity of an arena. The message indicates the correct value.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0636E Check Cluster Manager failure: Cluster Manager arenas table record occupancy *cm\_partition\_count* is incorrect. It should be *cm\_partition\_count*.**

### Explanation

The metadata checker has found a problem with the occupancy of an arena. The message indicates the correct value.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0637E OBSOLETE Check Cluster Manager failure: Cluster Manager arenas table logical partition map physical partition IDs are not unique for disk ID *0xcm\_disk\_id* , partition number *cm\_partition\_number*.**

### Explanation

The metadata checker has found an entry in the logical partition table that is a duplicate of another.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0638E Check Cluster Manager failure: Cluster Manager logical partitions table record/key wrong size for < lptkey=*cm\_key* >**

**Explanation**

The metadata checker has found a problem with a record in a logical partition table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0639E Check Cluster Manager failure: Cluster Manager logical partitions table record storage pool *cm\_pool\_name* (*cm\_pool\_id*) disk ID *0xcm\_disk\_id* was not found in the volumes table.**

**Explanation**

The metadata checker found a record in a logical partition table that references a volume that does not exist.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0640E OBSOLETE Check Cluster Manager failure: Cluster Manager logical partitions table record physPartNo *cm\_partition\_number* equivalent key < stgPoolId=*cm\_pool\_id*, diskId=*0xcm\_disk\_id*, segNo=*cm\_segment\_number* > was not found in volumes partition map table.**

**Explanation**

The metadata checker has found a record in a logical partition table that references a physical partition that is beyond the size of the volume.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0641E OBSOLETE Check Cluster Manager failure: Cluster Manager logical partitions table record physPartNo *cm\_partition\_number* was not allocated in volumes partition map table.**

**Explanation**

The metadata checker has found a record in a logical partition table that references a physical partition that was not marked as allocated in the volume.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0642E Check Cluster Manager failure: Cluster Manager logical partitions table record partition state *cm\_partition\_state* is incorrect.**

**Explanation**

The metadata checker has found a record in a logical partition table that is in an invalid state.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0643S Salvage CM *cm\_object\_name* Table record failure: Commit transaction failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0644S Salvage CM *cm\_object\_name* Table failure: Commit transaction failed. RC = *cm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0648E Check Cluster Manager failure: Cluster Manager attach points table record/key wrong size for key=(*cm\_fileset\_id,cm\_object\_id,cm\_object\_name\_length*)**

**Explanation**

The metadata checker has found a record in the attach points table that is invalid.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0649E Check Cluster Manager failure: Cluster Manager attach points table record name does not match fileset and local OID (*cm\_fileset\_id,cm\_object\_id,cm\_object\_name*) Data (*cm\_fileset\_id,cm\_object\_id*).**

**Explanation**

The metadata checker has found a record in the attach points table that does not reference a valid filesystem object.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0650E OBSOLETE Check Cluster Manager failure: Cluster Manager attach points table key is incorrect. Global root key should have cluster name *cm\_cluster\_name* as attach point, but has *cm\_name*.**

**Explanation**

The metadata checker found a record in the attach points table that is an invalid global root fileset.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0652E Check Cluster Manager failure: Cluster Manager attach points table key name length *cm\_name\_length* is not valid.**

**Explanation**

The metadata checker found a record in the attach points table that has an invalid name length.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

### HSTCM0653E Check Cluster Manager failure: Cluster Manager attach points table record data

**<filesetId=*cm\_fileset\_id*,objectId=*cm\_object\_id*> not correct for key <filesetId=*cm\_fileset\_id*, objectId=*cm\_object\_id*, nameLen=*cm\_name\_length*, name=*cm\_name*>.**

### Explanation

The metadata checker found a record in the attach points table that is invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

### HSTCM0655E Check Cluster Manager failure: Cluster Manager attach points table key name *cm\_key\_name* does not match attach point *cm\_attach\_point\_name* in filesets table.

### Explanation

The metadata checker found a record in the attach points table that references a fileset that does not exist.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

### HSTCM0656E Check Cluster Manager failure: Cluster Manager attach points table key object ID *cm\_object\_id* was not found by reverse lookup in fileset *cm\_fileset\_name* (*cm\_fileset\_id*).

### Explanation

The metadata checker found a record in the attach points table that references an object that does not exist.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0657E Check Cluster Manager failure: Cluster Manager attach points table key object ID *cm\_object\_id* reverse lookup in fileset *cm\_fileset\_name* (*cm\_fileset\_id*) failed. RC = *cm\_result\_code*.**

**Explanation**

The metadata checker found a record in the attach points table that references an object that does not exist.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0658E OBSOLETE Check Cluster Manager failure: Cluster Manager attach points table cannot lookup path *cm\_path\_name* in fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

**Explanation**

The metadata checker found a record in the attach points table that references an invalid path.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

If this error appears when performing a metadata check in repair mode and the repair fails, and the message indicates a pathname could not be looked up in the ROOT fileset, you can repair the metadata by issuing the attachfileset command to move the attachpoint to a valid location. Issue the lsfileset command to determine which fileset corresponds to the pathname in question. Run the metadata checker again in scan mode to verify that the error has been fixed and to determine if any other metadata problems exist.

---

**HSTCM0659E Check Cluster Manager failure: Cluster Manager attach points table lookup path *cm\_path\_name* in fileset *cm\_fileset\_name* (*cm\_fileset\_id*) failed with error *cm\_result\_code*.**

**Explanation**

The metadata checker found a record in the attach points table that references an invalid path.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.



---

**HSTCM0660E OBSOLETE Check Cluster Manager failure: Cluster Manager attach points table record data**

**<filesetId=*cm\_fileset\_id*,objectId=*cm\_object\_id*> does not correlate with lookup data <filesetId=*cm\_fileset\_id*,objectId=*cm\_object\_id*>.**

**Explanation**

The metadata checker found a record in the attach points table that has data that does not match the corresponding file system object.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0661E OBSOLETE Check Cluster Manager failure: Cluster Manager attach points table has duplicate *cm\_attach\_direction* entries for key <fileset=*cm\_fileset\_id* (*cm\_fileset\_name*), objectId=*cm\_object\_id*>.**

**Explanation**

The metadata checker found a record in the attach points table that is invalid.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0662E Check Cluster Manager Failure: Cluster Manager *cm\_object\_type* table is empty.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0663E OBSOLETE Check Cluster Manager failure: Cluster Manager attach points table has no *cm\_object\_type* entry for key <filesetId=*cm\_fileset\_id*, objectId=*cm\_object\_id*>.**

**Explanation**

The metadata checker found a record in the attach points table that is invalid.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0664E Check Cluster Manager failure: Cluster Manager attach points table record/key wrong size for key<fileset *cm\_fileset\_name* (*cm\_fileset\_id*)>.**

## Explanation

The metadata checker found a record in the attach points table that is invalid.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0665E Check Cluster Manager failure: Cluster Manager filesets table key < fileset *cm\_fileset\_name* (*cm\_fileset\_id*) > not found in Logical Volume Manager volume table.**

## Explanation

The metadata checker found a record in the filesets table that references a logical volume that is not a fileset volume.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0666E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table key < fileId=*cm\_fileset\_id* > not found in volatile fileset control block List.**

## Explanation

The metadata checker found a record in the filesets table that does not exist in the memory cache.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0667E Check Cluster Manager failure: Cluster Manager filesets table record quota *cm\_quota* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid quota.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0668E Check Cluster Manager failure: Cluster Manager filesets table record alert percentage *cm\_alert\_percent* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid alert percentage.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0669E Check Cluster Manager failure: Cluster Manager filesets table record hard/soft quota flag *cm\_quota\_flag* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid hard quota.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0670E Check Cluster Manager failure: Cluster Manager filesets table has more than one root fileset.**

**Explanation**

The metadata checker found more than one record in the filesets table that corresponds to the root fileset.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0671E Check Cluster Manager failure: Cluster Manager filesets table record name length *cm\_name\_length* is invalid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid fileset name.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0672E Check Cluster Manager failure: Cluster Manager filesets table record server name length *cm\_name\_length* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid server name.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0673W OBSOLETE Check Cluster Manager: Fileset with key < fileset *cm\_fileset\_name* (*cm\_fileset\_id*) > is orphaned. GetNodeId failed for server *cm\_server\_name*.**

**Explanation**

The metadata checker found a record in the filesets table that is not served by an active server.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0674E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table record attach point length *cm\_attach\_point\_length* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid attach point.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0675E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table key < filesetId=*cm\_fileset\_id*, objectId=*cm\_object\_id* > not found in attach points table.**

### Explanation

The metadata checker found a record in the filesets table that does not have a corresponding attach point record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0676E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table record wormhole flag *cm\_wormhole\_flag* is not valid.**

### Explanation

The metadata checker found a record in the filesets table that is invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0677E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table key *cm\_key* not found in fileset bindings(*find\_node*).**

### Explanation

The metadata checker found a record in the filesets table that is invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0678E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table record cannot look up path *cm\_path\_name* in fileset *cm\_fileset\_name* (*cm\_fileset\_id*).**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid attach point.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0679E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table record lookup path *cm\_path\_name* in fileset *cm\_fileset\_name* (*cm\_fileset\_id*) failed. RC = *cm\_result\_code*.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid attach point.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0680E Check Cluster Manager failure: Cluster Manager filesets table record description length *cm\_description\_length* invalid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid description.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0681E OBSOLETE Check Cluster Manager failure: Cluster Manager filesets table record attach point name *cm\_attach\_point\_name* is not valid.**

**Explanation**

The metadata checker found a record in the filesets table that has an invalid attach point.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0682E Check Cluster Manager failure: Cluster Manager filesets table key *cm\_key* higher than master record nextVolId *cm\_volume\_id*.**

### Explanation

The metadata checker found a record in the filesets table that has an ID greater than expected.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0683E CM cluster attributes load failed. RC = *cm\_result\_code*.**

### Explanation

The metadata checker was unable to read a cluster attributes record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0684E Could not load Cluster Manager master record.**

### Explanation

The metadata checker was unable to read a cluster manager master record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0685E Cluster Manager master record on disk is not the same as the copy in memory.**

### Explanation

The cluster manager master record does not match the cached version in memory.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0686E Cluster Manager master record version *cm\_version* should be *cm\_version*.**

### Explanation

The version of the cluster manager master record is invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0687E Cluster Manager master record update progress *cm\_progress* should be *cm\_progress*.**

### Explanation

The metadata check found an invalid value for the upgrade progress field in the cluster manager master record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0688E Cluster Manager redo actions table key/record wrong size for key (*cm\_key*).**

### Explanation

The metadata checker found an invalid redo record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

## **HSTCM0689E Cluster Manager redo actions table key *cm\_key* is not valid.**

### Explanation

The metadata checker found an invalid redo record.



### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0690E Cluster Manager redo actions table, fileset ID *cm\_fileset\_id* was not found in filesets table.**

### Explanation

The metadata checker found a redo record that referenced an invalid fileset.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0691E Cluster Manager redo actions table cannot look up path=*cm\_path\_name* fileset *cm\_fileset\_name* (*cm\_fileset\_id*). RC = *cm\_result\_code*.**

### Explanation

The metadata checker found a redo record that referenced an invalid path.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0692E Cluster Manager redo actions table: name is not valid.**

### Explanation

The metadata checker found a redo record that contains an invalid name.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0693E Cluster Manager redo actions table: wormhole new name length is not valid.**

### Explanation

The metadata checker found a redo record that contains an invalid name.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0694E Cluster Manager redo actions table:  
PartitionStateChange fileset ID (*cm\_fileset\_id*) was not found in  
filesets table.**

### Explanation

The metadata checker found a redo record that referenced an invalid fileset.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0695E Cluster Manager redo actions table:  
PartitionStateChange storage pool ID (*cm\_pool\_id*) was not found in  
storage pools table.**

### Explanation

The metadata checker found a redo record that referenced an invalid storage pool.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0696E Cluster Manager redo actions table:  
PartitionStateChange fileset, stgpoolId = <*cm\_fileset\_name*  
(*cm\_fileset\_id*), *cm\_pool\_name* (*cm\_pool\_id*)> was not found in arenas  
table.**

### Explanation

The metadata checker found a redo record that referenced an invalid arena.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0697E CM Redo Actions table, PartitionStateChange logical partition No (*cm\_partition\_number*) not found in Logical Partition table.**

**Explanation**

The metadata checker found a redo record that referenced an invalid logical partition.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0698E Cluster Manager redo actions table: DeallocPartition fileset ID (*cm\_fileset\_id*) was not found in filesets table.**

**Explanation**

The metadata checker found a redo record that referenced an invalid fileset.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0699E Cluster Manager redo actions table: DeallocPartition storage pool ID (*cm\_pool\_id*) was not found in storage pools table.**

**Explanation**

The metadata checker found a redo record that referenced an invalid storage pool.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0700E Cluster Manager redo actions table: DeallocPartition disk ID equivalent volumes key <*cm\_pool\_id* (*cm\_pool\_name*) 0x*cm\_disk\_id*> was not found in volumes table.**

**Explanation**

The metadata checker found a redo record that referenced an invalid volume.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0701E Cluster Manager redo actions table: DeallocPartition filesetId, stgpoolId <cm\_fileset\_name (cm\_fileset\_id), cm\_pool\_name (cm\_pool\_id)> was not found in arenas table.**

### Explanation

The metadata checker found a redo record that referenced an invalid arena.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0702E Cluster Manager redo actions table: DeallocPartition logical partition No (cm\_partition\_number) was not found in logical partition table.**

### Explanation

The metadata checker found a redo record that referenced an invalid logical partition.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0703E Cluster Manager redo actions table: RedoUpdateAnchorRecord fileset ID (cm\_fileset\_id) was not found in filesets table.**

### Explanation

The metadata checker found a redo record that referenced an invalid fileset.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0704E Cluster Manager redo actions table:  
RedoUpdateAnchorRecord quota is not valid.**

**Explanation**

The metadata checker found a redo record that contained an invalid quota.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0705E Cluster Manager redo actions table:  
RedoUpdateAnchorRecord alert is not valid.**

**Explanation**

The metadata checker found a redo record that contained an invalid alert percentage.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0706E Cluster Manager redo actions table:  
RedoUpdateAnchorRecord hard/soft flag is not valid**

**Explanation**

The metadata checker found a redo record that contained an invalid hard quota.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0707E Cluster Manager redo actions table: Action code  
(*cm\_action\_code*) is not valid.**

**Explanation**

The metadata checker found a redo record that contained an invalid action code.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM0708E Cluster Manager policy set table key/record wrong size for key (*cm\_name\_length*,*cm\_name*).**

**Explanation**

The metadata checker found a policy record with an incorrect size.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0709E Cluster Manager policy set table name length *cm\_name\_length* is not valid.**

**Explanation**

The metadata checker found a policy record with an incorrect name size.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0710W Cluster Manager policy set table create time is in the future.**

**Explanation**

The metadata checker found a policy record with an incorrect create time.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0711W Cluster Manager policy set table modify time is in the future.**

**Explanation**

The metadata checker found a policy record with an incorrect modify time.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem

### **HSTCM0712W Cluster Manager policy set table active time is in the future.**

#### **Explanation**

The metadata checker found a policy record with an incorrect active time.

#### **Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM0713E Cluster Manager policy set table description length is not valid.**

#### **Explanation**

The metadata checker found a policy record with an incorrect description length.

#### **Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM0714E Cluster Manager policy set table does not have a default policy set.**

#### **Explanation**

The metadata checker did not find a default policy record.

#### **Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by recreating the default policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM0715E Cluster Manager policy set table does not have an active policy set.**

#### **Explanation**

The metadata checker did not find an active policy record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by activating the default policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0716E Cluster Manager policy set table record policyId *cm\_policy\_id* higher than nextVolId in Master Record *cm\_volume\_id*.**

### Explanation

The metadata checker found that the next policy set ID is incorrect.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0717E Cluster Manager policy set texts table key/record wrong size for key (*cm\_name\_length*,*cm\_name*).**

### Explanation

The metadata checker found a policy set text with an incorrect key/record length.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0718E Cluster Manager policy set texts table policy ID *cm\_policy\_id* is not valid.**

### Explanation

The metadata checker found an incorrect policy ID in the a policy set texts table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTCM0719E Cluster Manager policy set texts table segment number *cm\_segment\_number* is not valid.**

**Explanation**

The metadata checker found an incorrect policy set texts segment number.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0720E Cluster Manager policy set texts table is missing text.**

**Explanation**

The metadata checker did not find all the policy set text segments.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0721E Cluster Manager policy pre-allocation rule table key/record wrong size for key (*cm\_rule\_number*).**

**Explanation**

The metadata checker found a policy pre-allocation rule with an incorrect key/record size.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0722E Cluster Manager policy pre-allocation rule table key rule number (*cm\_rule\_number*) is not valid.**

**Explanation**

The metadata checker could not find a pre-allocation rule number in the fileset applicability rules table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0723E OBSOLETE Cluster Manager policy service class rule table conclusion *cm\_conclusion* was not found in the service class table.**

### Explanation

The metadata checker could not find a service class number in the policy service class conclusion table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0724E Cluster Manager policy pre-allocation rule table condition length *cm\_length* is not valid.**

### Explanation

The metadata checker found that the length of a pre-allocation condition was incorrect.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0725E Cluster Manager policy pre-allocation rule table segment count *cm\_count* is not valid.**

### Explanation

The metadata checker found that the number of segments in a pre-allocation condition is incorrect.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the

"Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0726E Cluster Manager policy storage pool rules table key/record wrong size for key (*cm\_rule\_number*).**

**Explanation**

The metadata checker found that the size of a key/record in the service class condition table is incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0727E Cluster Manager policy storage pool rules table rule number *cm\_rule\_number* is not valid.**

**Explanation**

The metadata checker could not find a storage pool rule number in the storage pool fileset applicability rules table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0728E Cluster Manager policy storage pool rules table conclusion *cm\_conclusion* was not found in storage pool table.**

**Explanation**

The metadata checker could not find the conclusion storage pool id in the storage pool table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0729E Cluster Manager policy storage pool rules table condition length *cm\_length* is not valid.**

**Explanation**

The metadata checker found that the length of a storage pool condition was incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0730E Cluster Manager policy storage pool rules table segment count *cm\_segment\_count* is not valid.**

**Explanation**

The metadata checker found that the number of segments in a storage pool condition is incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0731E Cluster Manager policy fileset applicability table key/record wrong size for key (*cm\_fileset\_id,cm\_rule\_type,cm\_rule\_number*).**

**Explanation**

The metadata checker found that the size of a key/record in the policy fileset applicability table is incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0732E Cluster Manager policy fileset applicability table key fileset *cm\_fileset\_id* was not found in fileset table.**

**Explanation**

The metadata checker could not find a fileset number in the policy fileset applicability table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0733E Cluster Manager policy fileset applicability table key rule type is incorrect.**

**Explanation**

The metadata found an invalid key in the fileset applicability table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0734E Cluster Manager policy fileset applicability table *cm\_table\_name* does not contain rule number *cm\_rule\_number*.**

**Explanation**

The metadata checker could not find a service class number in the service class rules table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0735E Cluster Manager policy service class applicability table key/record wrong size for key (*cm\_service\_class*,*cm\_rule\_number*).**

**Explanation**

The metadata checker found that the size of a key/record in the policy service class applicability table is incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0736E Cluster Manager policy service class applicability table key service class *cm\_service\_class* was not found in service class table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0737E Cluster Manager policy service class applicability table key rule number *cm\_rule\_number* was not found in storage pool rule table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0738E Cluster Manager policy conditions table key/record wrong size for key (*cm\_key*).**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0739E Cluster Manager policy conditions table segment number *cm\_segment\_number* is not valid.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0740E Cluster Manager policy conditions table data is empty.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0741E Cluster Manager policy conditions table segments are not valid.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTCM0742E Cluster Manager storage pools table key/record wrong size for key (*cm\_key*).**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0743E Cluster Manager storage pools last allocated disk ID *0xcm\_disk\_id* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0744E Cluster Manager storage pools block size *cm\_pool\_block\_size* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0745E Cluster Manager storage pools allocation size *cm\_pool\_alloc\_size* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0746E Cluster Manager storage pools partition size *cm\_partition\_size* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0747E Cluster Manager storage pools: Not enough blocks per partition: Partition size *cm\_partition\_size* / block size *cm\_block\_size* (*cm\_minimum\_blocks\_per\_partition*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0748E Cluster Manager storage pools volume count *cm\_volume\_count* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0749E Cluster Manager storage pools partition count *cm\_partition\_count* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0750E Cluster Manager storage pools free partition count *cm\_partition\_count* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0751E Cluster Manager storage pools alert percentage *cm\_alert\_percent* is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0752E Cluster Manager storage pools table name length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0753E Cluster Manager storage pools table description length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0754E Cluster Manager storage pools table is empty.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0755E Cluster Manager storage pools table missing the default pool.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0756E Cluster Manager storage pools table key *cm\_key* (*cm\_pool\_name*) is higher than nextStgPoolId in master record *cm\_pool\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0757E Cluster Manager volumes table key/record wrong size for key (*cm\_pool\_id*,*0xcm\_disk\_id*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0758E OBSOLETE Cluster Manager volumes table key, storage pool ID *cm\_pool\_id* was not found in Storage Pools table.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0759E Cluster Manager volumes key, disk ID *0xcm\_disk\_id* was not found.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0765E Cluster Manager volumes table free partition count *cm\_partition\_count* should be *cm\_partition\_count*.**

**Explanation**

The metadata checker found that the free partition count in the volumes table is incorrect.

**Action**

Run the metadata check in salvage mode to fix the problem. Run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0766E Cluster Manager volume partition maps table partition map missing segment *cm\_segment\_count* out of *cm\_segment\_count* segments.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0767E Cluster Manager volumes table allocation flag is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0768E Cluster Manager volumes table name length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0769E Cluster Manager volumes table description length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0770E OBSOLETE Cluster Manager volumes partition map segment number *cm\_segment\_number* was not found on direct access.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0771E Cluster Manager fileset bindings table key/record wrong size for key (*cm\_fileset\_id*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0772E Cluster Manager fileset bindings table key, fileset ID *cm\_fileset\_id* not found in filesets table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0773E Cluster Manager fileset bindings table key, write-ahead log Volume ID *cm\_wal\_volume\_id* was not found in write-ahead log volumes table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0774E Cluster Manager fileset bindings table is empty.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0775E Cluster Manager write-ahead log volumes table key/record wrong size for key (*cm\_wal\_volume\_id*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0776E Cluster Manager write-ahead log volumes table version *cm\_wal\_version* is invalid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0777E Cluster Manager write-ahead log volumes table:  
Write-ahead log volume ID= *cm\_wall\_volume\_id* ,write-ahead log  
version= *cm\_wall\_version* was not found in internal load map.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0778E Cluster Manager write-ahead log volumes table is empty.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0779E Cluster Manager write-ahead log volumes table key  
*cm\_key* higher than nextVolId in master record *cm\_volume\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0780E OBSOLETE Cluster Manager service class table key/record  
wrong size for key (*cm\_key*).**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0781E OBSOLETE Cluster Manager service class table key *cm\_key* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0782E OBSOLETE Cluster Manager service class table has more than one default class.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0783E OBSOLETE Cluster Manager service class table cache is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0784E OBSOLETE Cluster Manager service class table sparsity is not correct.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTCM0785E OBSOLETE Cluster Manager service class table name length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0786E OBSOLETE Cluster Manager service class table description length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0787E OBSOLETE Cluster Manager service class table is empty.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0788E OBSOLETE Cluster Manager service class table is missing the default pool.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0789E Cluster Manager *cm\_object\_name* table reserved1 field *cm\_reserved1\_field* should be 0.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0790E Cluster Manager *cm\_object\_name* table reserved2 field *cm\_reserved2\_field* should be 0.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0791E OBSOLETE Cluster Manager arenas table *a\_checkLptRoot* *0xcm\_checkLptRoot* should be 0.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0792E Cluster Manager volumes table reserved1 field *cm\_reserved1/field* should be 0.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0793I Warning. Master took *cm\_seconds\_count* seconds to extend arena.**

### Explanation

No additional information is available for this message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0794I Warning. Master took *cm\_seconds\_count* seconds to translate partition.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0795I Check Cluster Manager arenas table record fileset *cm\_fileset\_name* (*cm\_fileset\_id*), stgPool *cm\_pool\_name*. (*cm\_pool\_id*). LPT changed during check. Check is incomplete.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0796S Salvage Cluster Manager arenas record failure: Check of previously salvaged record failed. Arena=<fileset *cm\_fileset\_name* (*cm\_fileset\_id*) stgPoolId=*cm\_pool\_id*>**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0797I OBSOLETE Check Cluster Manager arenas record information: Check of arena record with key <filesetId=*cm\_fileset\_id*,stgPoolId=*cm\_pool\_id*> abandoned. Record might have been deleted while check was in progress.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0798E OBSOLETE Check Cluster Manager failure: Cluster Manager arenas table record allocation size *cm\_alloc\_size* is incorrect. Should be 0.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0799E CM Redo Actions table, Destroy volume Id = (*cm\_volume\_id*) found in filesets table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0801W Check CM Info: Cannot validate attach point reverse lookup because fileset *cm\_fileset\_name* (*cm\_fileset\_id*) is bound to unavailable server *server\_name*.**

**Explanation**

The metadata checker attempts a lookup of the filesets that make up an attach point as a part of metadata validation. If the server that serves that fileset is unavailable at the time the system metadata check is initiated, this validation is skipped.

**Action**

No action is required. If all filesets are bound to active servers when the `startmetadatascheck` command is issued, lookup validation will be done and this message will no longer appear.

---

**HSTCM0802W OBSOLETE Check CM Info: Cannot validate lookup of attach point because fileset *cm\_fileset\_name* (*cm\_fileset\_id*) is bound to unavailable server *server\_name*.**

**Explanation**

The metadata checker attempts to look up filesets that make up an attach point as a part of metadata validation. If a server that serves the fileset is unavailable at the time the system metadata check is initiated, this validation cannot be done.

### Action

No action is required. If the metadata check is initiated when all servers are online that have filesets bound to them, the fileset root lookup validation will be done and this message no longer appears.

---

**HSTCM0803W OBSOLETE Check CM Info: Cannot validate lookup of fileset *cm\_fileset\_name* (*cm\_fileset\_id*) because it is bound to unavailable server *server\_name*.**

### Explanation

The metadata checker attempts to look up the root of wormhole filesets as a part of metadata validation. If the server that serves the wormhole is unavailable at the time the system metadata check is initiated, this validation cannot be done.

### Action

No action is required. If the metadata check is initiated when all servers are online that have filesets bound to them, the wormhole lookup validation will be done and this message no longer appears.

---

**HSTCM0804E update\_root\_fileset\_server: Fetch fileset record failed. CID= *cm\_fileset\_id*, RC= *cm\_result\_code*.**

### Explanation

Fetch root fileset record from the fileset table failed.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0805E assign\_static\_filesets: Replace wal table record failed WAL vol Id= *cm\_volume\_id*, RC= *cm\_result\_code*.**

### Explanation

Replace write-ahead log record from the write-ahead log table failed.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTDB0001E Clean workload already in progress.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTDB0002I Write-ahead log cleaner checkpoint**

**version=*db\_wal\_cleaner\_version*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTDB0003E RC = *db\_result\_code* mounting DB space *db\_dspace\_id* for cleaning.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTDB0004S Log record found for DB space *db\_dspace\_id*, which is not part of the workload, USN=*db\_log\_usn*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTDB0005E Log Record: *db\_log\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0006S Cannot find redo action for action code = *0xdb\_action\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0007S CALLHOME: Cannot find redo action for action code = *0xdb\_action\_code*. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0008S Redo Action Table: Slot ( *db\_action\_tuple*, *db\_action\_cell* ):*0xdb\_action\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0009S OBSOLETE USN mismatch. SpaceId=*db\_space\_id*, PageNo=*db\_page\_number*, PageUSN=*db\_page\_usn*, prevUpdateUSN=*db\_previous\_usn*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0010S CALLHOME: USN mismatch. SpaceId=db\_space\_id, PageNo=db\_page\_number, PageUSN=db\_page\_usn, prevUpdateUSN=db\_previous\_usn. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0011E DB: Error db\_result\_code locking DB volume db\_volume\_id.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0012E DB: Unable to get aligned buffer.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0013S CALLHOME: DB: Unable to get aligned buffer. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0014E DB: Unable to get aligned buffer.**

**Explanation**

No additional information is available for this message.



### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDB0015S OBSOLETE CALLHOME: DB: Unable to get aligned buffer. The server process is stopping.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDB0016S DB Buffer Writer: Unable to get aligned buffer.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDB0017S CALLHOME: DB Buffer Writer: Unable to get aligned buffer. The server process is stopping.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDB0018E OBSOLETE DB get\_page\_buffer: Failed attempt @1 to get page buffer, sleeping @2us.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0019E DB: Unable to allocate aligned page buffer - @1 buffers of @2 allocated.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0020E Invalid write-ahead log Version (*wal\_wal\_version*): WAL=*wal\_object\_id*, version=*wal\_wal\_version*, ckpt version=*wal\_wal\_version*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0021S OBSOLETE CALLHOME: Invalid write-ahead log Version (*wal\_wal\_version*): WAL=*wal\_object\_id*, version=*wal\_wal\_version*, checkpoint version=*wal\_wal\_version*. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0022E RC = *db\_result\_code* starting DB Space *db\_dbpace\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0023S Out of log space.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0024S avoid\_deadlock: breadth = *db\_deadlock\_breadth*, depth = *db\_deadlock\_depth*, for transaction *db\_txn\_id*, page = *db\_page\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0025S Nested transaction deadlock detected. Lock request denied for transaction *db\_tsn\_id*, thread *db\_thread\_id*, page=*db\_tsn\_page*. Would deadlock with transaction *db\_tsn\_id*, thread *db\_thread\_id*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0026S Nested transaction deadlock detected.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0027S Log Record Header: Type=Update, action=0xdb\_action\_value, Transaction=db\_tsn\_id, SpaceId=db\_space\_id, PageNo=db\_page\_number, PrevUSN=db\_usn\_id, PrevUpdateUSN=db\_usn\_id.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0028S Buffer Writer: RC = db\_result\_code from write. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0029S OBSOLETE CALLHOME: Buffer Writer: RC = db\_result\_code from write. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDB0030E No space in DB space db\_dbSPACE\_id.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0001E dioDiskCtlBlk: Error *dio\_result\_code* occurred opening disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0002E dioDiskCtlBlk: fstat error *dio\_result\_code* for disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0003E dioDiskCtlBlk: ioctl BLKSSZGET failed for disk *dio\_disk\_name*, errno = *dio\_result\_code*, sectorSize=*dio\_sector\_size***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0004E dioDiskCtlBlk: ioctl BLKGETSIZE failed for disk *dio\_disk\_name*, errno = *dio\_result\_code*, sectorSize=*dio\_sector\_size***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0005E dioDiskCtlBlk: Size zero for disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0006E dioDiskCtlBlk: Unsupported file type *dio\_file\_type* for disk *dio\_disk\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0007E DI0: Disk *dio\_disk\_name* could not be generated because size *dio\_disk\_size*MB exceeds the maximum file size.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0008E DI0: Error creating file *dio\_file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0009E DI0: Write failed for file *dio\_file\_name* because there is insufficient disk space.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0011E DI0: Write failed for file *dio\_file\_name* with error *dio\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0012E DI0: Duplicate handle ( *dio\_handle\_id* ) returned by open.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0013E DI0: A disk handle that is not valid was passed to executeI0:*dio\_handle\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0014E DI0: Error opening file *dio\_file\_name* for writing, errno *dio\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0015E DI0: Error writing *dio\_byte\_count* bytes to file *dio\_file\_name*; actual written = *dio\_byte\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0016E DI0: Error reading file *dio\_file\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0017E OBSOLETE DI0: *dio\_command\_name* failed for disk *dio\_disk\_name* with errno *dio\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0018E OBSOLETE DI0: *dio\_command\_name* failed for disk *dio\_disk\_name* ; attempted=*dio\_byte\_count*, actual=*dio\_byte\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0019E dioDiskCtlBlk: Error *dio\_result\_code* occurred opening disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0020E dioDiskCtlBlk: fstat error *dio\_result\_code* for disk *dio\_disk\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0021E dioDiskCtlBlk: Unsupported file type *dio\_file\_type* for disk *dio\_disk\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0022E DI0: Disk *dio\_disk\_name* could not be generated because size *dio\_disk\_size*MB exceeds the maximum file size.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0023E DI0: Error creating file *dio\_file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0024E DI0: Write failed for file *dio\_file\_name* because there is insufficient disk space.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0026E DI0: Write failed for file *dio\_file\_name* with error *dio\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0027E DI0: Duplicate handle (*dio\_*) returned by open.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0028E DI0: A disk handle that is not valid was passed to executeI0:*dio\_handle\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0029E DI0: Writing the *dio\_file\_name* file failed with the following system message: *dio\_system\_message***

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0030E DI0: Only *dio\_byte\_count* of *dio\_byte\_count* bytes were written to *dio\_file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0031E DI0: Error reading file *dio\_file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0032E DI0: Seek failed for disk *dio\_disk\_name* with errno *dio\_result\_code***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0035E DI0: Write failed for disk *dio\_disk\_name* with errno *dio\_result\_code***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0036E** DI0: Read failed for disk *dio\_disk\_name* with errno *dio\_result\_code*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0037E** DI0: Write failed for disk *dio\_disk\_name* ;  
attempted=*dio\_byte\_count*, actual=*dio\_byte\_count*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0038E** DI0: Read failed for disk *dio\_disk\_name* ;  
attempted=*dio\_byte\_count*, actual=*dio\_byte\_count*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0039E** Active file system mount point, *dio\_mount\_point*,  
specified.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0040E dioDiskCtlBlk: Error *dio\_result\_code* occurred opening disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0041E dioDiskCtlBlk: fstat error *dio\_result\_code* for disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0042E dioDiskCtlBlk: ioctl error *dio\_result\_code* for disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0043E dioDiskCtlBlk: Device *dio\_device\_name* is not a disk or is not a supported disk type.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0044E dioDiskCtlBlk: Unsupported file type *dio\_file\_type* for disk *dio\_disk\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0045E DI0: Disk *dio\_disk\_name* could not be generated because the size *dio\_file\_size*MB exceeds the maximum file size.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0046E DI0: Error creating file *dio\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0047E DI0: Write failed for file *dio\_file\_name* because there is insufficient disk space.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0048E DI0: Write failed for file *dio\_file\_name* with error *dio\_result\_code***

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0049E DI0: Duplicate handle (*dio\_handle\_id*) returned by open.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0050E DI0: A disk handle that was not valid was passed to executeI0:*dio\_io\_handler***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0051E DI0: Error *dio\_result\_code* opening file *dio\_file\_name* for writing.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDI0052E DI0: Only *dio\_byte\_count* of *dio\_byte\_count* bytes were written to *dio\_file\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0053E DI0: Error reading file *dio\_file\_name*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0054E DI0: Write or read failed for disk *dio\_disk\_name* with errno *dio\_result\_code*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0055E DI0: Write or read failed for disk *dio\_disk\_name* ; attempted=*dio\_byte\_count*, actual=*dio\_byte\_count*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0056E DI0: Error deleting file *dio\_file\_name*: *dio\_result\_code*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0057E DI0: Error deleting file *dio\_file\_name*: *dio\_result\_code*****Explanation**

No additional information is available for this message.



**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDI0058E DI0: Error deleting file *dio\_file\_name: dio\_result\_code*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0001E Thread monitoring services were not started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0002E OBSOLETE Dispatcher startup failed. Could not start the required number of high priority threads.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0003E OBSOLETE Dispatcher startup failed. Could not start all administrative priority threads.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0004E OBSOLETE Dispatcher startup failed. Could not start worker threads for normal and master priorities.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0005E OBSOLETE Warning: Only *dsp\_thread\_count* of *dsp\_thread\_count* dispatcher worker threads for normal priority and master priority could be started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0006I Callback registration failed for *dsp\_thread\_count*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0007I The cluster is quiesced, and there are no more administrative threads.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0008I Emergency thread could not be started.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0009I There was a request for *dsp\_thread\_count* new threads, but only *dsp\_thread\_count* threads were created.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTDP0010W There are no more administrative threads available to service the request.**

### Explanation

A request came in for an administrative command but there are no admin threads available to service the request.

### Action

Try the command again at a later time or try the command in an existing administrative session.

---

**HSTEV0001E Error installing Callback for variable=*event\_snmp\_table***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTEV0002E An error occurred while sending trap message. Message ID = *event\_snmp\_message\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTEV0003E Cannot find file *event\_snmp\_file\_name*. SNMP will be disabled.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTFS0023E Salvage free space map. Vector index=*fs\_vector\_index* vector word=*0xfs\_vector\_word* bits used=*fs\_bits\_used***

**Explanation**

This message indicates that a free space map is being salvaged as a result of a metadata checker scan.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTFS0024E Fileset free space map index version *fs\_version* should be *fs\_version* Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid map index version).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0025S Fileset free space map index root page is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid index root page).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0026S Fileset free space map index left sibling is not correct** Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number*

**Explanation**

A corruption was detected in the free space map (invalid map index left sibling).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0028S Fileset free space map index right sibling is not correct.** Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number*

**Explanation**

A corruption was detected in the free space map (invalid map index right sibling).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0029E Fileset free space map index maximum records is not correct.** Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number*

**Explanation**

A corruption was detected in the free space map (invalid maximum number of records in index).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0030E Fileset check free space map index payload is not NULL. Does not agree.** Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number*

**Explanation**

A corruption was detected in the free space map (invalid index payload).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0031E Fileset free space map index record count is not correct. Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

### Explanation

A corruption was detected in the free space map (invalid index record count).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0032E Fileset free space map index first reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

### Explanation

A corruption was detected in the free space map (invalid first reserved space in index).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0033E Fileset free space map index second reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

### Explanation

A corruption was detected in the free space map (invalid second reserved space number in index).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0034E Fileset free space map index third reserved space is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid third reserved space in index).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0035E Fileset free space map index fourth reserved space is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid fourth reserved space in index).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0036E Fileset free space map index fifth reserved space is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid fifth reserved space in index).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0037E Fileset free space map index sixth reserved space is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A corruption was detected in the free space map (invalid sixth reserved space in index).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0038E Fileset free space map index seventh reserved space is not correct Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

### Explanation

A corruption was detected in the free space map (invalid seventh reserved space in index).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0039E Fileset free space map leaf version *fs\_free\_space\_map\_version* should be *fs\_free\_space\_map\_version* Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

### Explanation

A corruption was detected in a free space map (invalid leaf version).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0040E Fileset free space map leaf first reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

### Explanation

A corruption was detected in a free space map (invalid first reserved space in leaf).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.



---

**HSTFS0041E Fileset free space map leaf left sibling is not correct**  
**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid leaf left sibling).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0043E Fileset free space map leaf right sibling is not correct.**  
**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid leaf right sibling).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0044E Fileset free space map leaf second reserved space is not correct.**  
**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid second reserved space in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0045E Fileset free space map leaf low bit is not correct.**  
**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid low bit in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem

was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0046E Fileset free space map leaf high bit is not correct.**

**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid high bit in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0047E Fileset free space map leaf word capacity is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number*****Explanation**

A corruption was detected in a free space map (invalid word capacity in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0048E Fileset free space map leaf occupied words is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number*****Explanation**

A corruption was detected in a free space map (invalid occupancy in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0050E Fileset free space map leaf bits used  
*fs\_free\_space\_bit\_mask* should be *fs\_free\_space\_bit\_mask*  
Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number*****Explanation**

A corruption was detected in a free space map (invalid used bits in leaf).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0051E Fileset free space map leaf bits are not correct.**

**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

### Explanation

A corruption was detected in a free space map (invalid free bits).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0052E Fileset free space map leaf index is not correct.**

**Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

### Explanation

A corruption was detected in a free space map (invalid leaf index ID).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

## **HSTFS0053E Fileset free space map leaf third reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

### Explanation

A corruption was detected in a free space map (invalid third reserved space in leaf).

### Action

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0054E Fileset free space map leaf fourth reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid fourth reserved space in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0055E Fileset free space map leaf fifth reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid fifth reserved space in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0056E Fileset free space map leaf sixth reserved space is not correct. Fileset=*fs\_fileset\_id* FS Map page=*fs\_page\_number***

**Explanation**

A corruption was detected in a free space map (invalid sixth reserved space in leaf).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0057E Unable to lock page. Error code *result\_code*  
Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

**Explanation**

A free space map page could not be locked.

**Action**

No action is required.

---

**HSTFS0058E PageType=0xfs\_page\_type\_value not part of an fsMap.  
Fileset=fs\_fileset\_id FS Map root page=fs\_page\_number**

**Explanation**

A corruption was detected in a free space map (invalid root page type).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTFS0059E Fileset free space map index root page sibling pointers  
not correct. Fileset=fs\_fileset\_id FS Map root page=fs\_page\_number**

**Explanation**

A corruption was detected in a free space map (root left sibling).

**Action**

If the metadata checker is run with salvage enabled, it will automatically attempt to correct the problem. Run the metadata checker again to verify that the problem was corrected. If salvage is not enabled, the integrity lost flag is raised. If salvage is enabled but the problem persists, contact your service representative.

---

**HSTGI0001I Scanning for global disk volumes.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0002I Global disk scan complete.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0003I** Disk *gio\_local\_disk\_name* configured with global ID *gio\_global\_disk\_id*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0004E** GIO: The number of disk transfer orders specified was invalid.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0005E** GIO: Global Id @1@2 could not be resolved for I/O.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0006E** GIO scan disk: prepare failed. RC = *gio\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0007E GIO scan disk: Disks do not match master. Master disk count = *gio\_master\_disk\_count*, Master Disk hash = *gio\_master\_disk\_hash*, Local disk count = *gio\_local\_disk\_count*, Local disk hash = *gio\_local\_disk\_hash*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0008E GIO scan disk: Too many master disks found, count = *gio\_master\_disk\_count*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0009E GIO Start: Failed to register 2PC callback functions.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGI0011S CALLHOME: Global Disk I/O Manager prepare failed because disks were not configured. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGS0001I GS: Installing. Cluster ID = *gs\_cluster\_id*****Explanation**

This informational message is printed as the group services component is installed during initial cluster setup time. The cluster ID used to install the cluster is printed.

**Action**

No action is required. This message is informational only.

---

**HSTGS0002E GS: Boot record install failed. RC = *gs\_result\_code*****Explanation**

Initialization of the group services cluster bootstrap area failed during installation of SAN File System.

**Action**

This can be an indication of I/O issues when trying to access the system disk. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0003W Warning. GS: Header size mismatch: sizeof( gsMsgSession::gsMsgHdr ) = *gs\_header\_size*, sizeof( GS::MsgHdr ) = *gs\_header\_size*****Explanation**

This is an internal server error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0004E GS: Initialization failed. IP address *gs\_ip\_address* is bound to non-operational interface *gs\_nic\_name*****Explanation**

The IP address specified in the metadata server configuration is not bound to an operational network interface.

**Action**

The server will fail to initialize if the IP address is not bound to an operational interface. Check the IP address in the metadata server configuration to make sure it is correct. Check the network interface to ensure it is operational. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTGS0005W Warning. GS: Cannot start with a zero (0) IP address.****Explanation**

The IP address specified in the metadata server configuration is not valid.

**Action**

The server will fail to initialize if the IP address is not valid. Check the ip address in the metadata server configuration to make sure it is valid.

---

**HSTGS0006W OBSOLETE Warning. GS: Failed to get netmask info {  
netmask\_1 = *gs\_netmask\_name* }****Explanation**

The netmask obtained from the network interface is not valid.

**Action**

The server will fail to initialize if the IP address or netmask is not valid. Check the IP address in the metadata server configuration and the network interface.

---

**HSTGS0008I Group Services initialization complete. SAN File System  
cluster ID is *gs\_cluster\_id*, metadata server node ID is *gs\_node\_id*.****Explanation**

Group services has completed initializing and will start cluster services.

**Action**

No action is required. This message is informational only.

---

**HSTGS0009E GS: Start as a singleton failed****Explanation**

A failure occurred while starting group services in singleton mode.

**Action**

View the metadata server logs for more details about the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0011E GS: Start normal failed****Explanation**

A failure occurred while starting group services in normal mode.

### **Action**

View the metadata server logs for more details about the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTGS0015E GS: Error storing bootstrap record.**

### **Explanation**

An error occurred while storing the group services cluster definition.

### **Action**

The fault is a possible indication of the inability of the SAN File System metadata server to write the system master disk. An I/O error such as this is a possible indication of SAN issues. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTGS0016E GS: Error storing committed bootstrap record**

### **Explanation**

An error occurred while storing the group services cluster definition.

### **Action**

The fault is a possible indication of the inability of the SAN File System metadata server to write the system master disk. An I/O error such as this is a possible indication of SAN issues. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTGS0017E GS: Error storing local Tank.Bootstrap file.**

### **Explanation**

The metadata server is unable to write the local Tank.Bootstrap file. This could be an indication metadata server hardware faults such as a local hard drive fault.

### **Action**

Consult the cluster logs and "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTGS0018E GS: Could not read the boot record**

### **Explanation**

The metadata server could not read the Tank.Bootstrap file. Prior to a node being added to the cluster, there is no Tank.Bootstrap file present, and this is an expected error. If the metadata server has been added to the cluster then this error indicates a system problem.

### **Action**

If the metadata server is not added to the cluster, this error is expected and no further action is required. Otherwise, check for the local Tank.Bootstrap file. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0019E A Two Phase Commit was attempted on a subordinate or during a transition.**

### **Explanation**

No additional information is available.

### **Action**

Contact IBM Technical Support.

---

## **HSTGS0020E The Two Phase Commit message payload is too large.**

### **Explanation**

This is an internal server error.

### **Action**

Contact IBM Technical Support.

---

## **HSTGS0021E The Two Phase Commit aborting nodes array is too small. *gs\_2pc\_array\_size*.**

### **Explanation**

This is an internal server error.

### **Action**

Contact IBM Technical Support.

---

## **HSTGS0022E Concurrent 2PC transitions are not supported. MastTwoPCInst state=*gs\_2pc\_state* SubTwoPCInst state=*gs\_2pc\_state***

### **Explanation**

This is an internal server error.

### **Action**

Contact IBM Technical Support.

---

**HSTGS0023E Group Services is already running.****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0024E Could not start session****Explanation**

Group services could not start the communication session.

**Action**

Check to make sure the port assigned as the clusterport is not used by another service. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0025E Could not start Group Services thread****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0026E OBSOLETE Failed to register net failover 2PC callbacks****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0027W OBSOLETE Group Services is already running.****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0028E OBSOLETE Could not start session****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0029E OBSOLETE Could not start Group Services thread****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0030E OBSOLETE Failed to register net failover 2PC callbacks****Explanation**

This is an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0031E OBSOLETE A group is forming or a node is joining, so the becomemaster command is not allowed.****Explanation**

The setmaster command was issued during a group transition.

**Action**

Wait until the group transition has completed and attempt the command again. The setmaster command might fail after the group transition is complete if the group formation succeeds. The setmaster command can only be issued on a subordinate metadata server that has lost the master metadata server.

---

**HSTGS0035E Duplicate server name. Name = *gs\_node\_name*****Explanation**

The server cannot be added to the cluster because the cluster already has a server with the same server name.

**Action**

Change the name of the server being added. Make sure the name is unique.

---

---

**HSTGS0036E Server cannot be added. The servername is not valid.****Explanation**

The metadata server cannot be added to the cluster because the server name is invalid.

**Action**

The server name cannot be null, and the length must be 32 bytes or fewer.

---

**HSTGS0037E Callback for *gs\_callback\_name* protocol returned error code. RC = *gs\_result\_code*.****Explanation**

An internal error occurred during the addserver protocol. The addserver failed.

**Action**

Contact IBM Technical Support.

---

**HSTGS0038I The master is beginning to reform the group. Adding a new metadata server.****Explanation**

This informational message means that the master is about to reform the group to add a new server.

**Action**

No action is required.

---

**HSTGS0039E Failed to add a new metadata server to the cluster.****Explanation**

An error occurred while adding a new server to the cluster.

**Action**

Check the log on the new server for additional details. Resolve any errors and try to add the server again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0040I The master is beginning to reform the group. Dropping an unreachable server.****Explanation**

This informational message indicates that the master is about to reform the group and drop an unreachable server.

### **Action**

No action is required.

---

**HSTGS0041W OBSOLETE Error. Send of takeover message on decommission of master. You will probably have to manually stop the node.**

### **Explanation**

The master is dropping itself in a doubleton group. It tells another server to take over.

### **Action**

Obsolete. No action is required.

---

**HSTGS0042E Dropping the master metadata server is not allowed. First, you must move the master, and then you can drop this node.**

### **Explanation**

Dropping the master metadata server is not allowed.

### **Action**

Stop the master metadata server. When another node has become the master metadata server, you can drop this node from the cluster.

---

**HSTGS0043I The master is beginning to reform the group. Dropping a server.**

### **Explanation**

This informational message indicates that the master is about to reform the group and drop a server from the cluster.

### **Action**

No action is required.

---

**HSTGS0044I The master is beginning to reform the group. Shutting down the remote server.**

### **Explanation**

This informational message indicates that the master is about to reform the group and shut down a remote server.

### **Action**

No action is required.

---

**HSTGS0046I The master is beginning to reform the group.****Explanation**

This informational message indicates that the master is about to reform the group.

**Action**

No action is required.

---

**HSTGS0047I The master is beginning to reform the group. Server *joining\_server\_name* is joining.****Explanation**

This informational message indicates that the master is about to reform the group to allow another server to join.

**Action**

No action is required.

---

**HSTGS0048I OBSOLETE The master is beginning to reform the group (minority group).****Explanation**

This informational message indicates that the master is about to reform a new group that has fewer than half the members of the old group.

**Action**

No action is required.

---

**HSTGS0053W The master is ending the reformation of the group (*gs\_group\_id*). Group stopped.****Explanation**

Group service was stopped so the master stopped the cluster reformation.

**Action**

No action is required if the group was stopped on purpose. Otherwise, check the log for other messages and resolve any errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.



---

**HSTGS0054E GS: Aborting: group transition abort not yet supported**  
(*gs\_group\_id*).

**Explanation**

The cluster reformation ended because the master failed to store the proposed group definition.

**Action**

Make sure the SAN is accessible. Check the log for other messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0055W The master failed to get a majority of nodes to form the group. (*gs\_group\_id*): Re-attempting the reformation with minority pass.**

**Explanation**

The master candidate cannot get a majority of nodes from the old group to form a new group. It will retry the reformation with the minority.

**Action**

No action is required.

---

**HSTGS0056E The master is ending the reformation of the group (*gs\_group\_id*). Failed to form group.**

**Explanation**

The master failed to receive some responses proposed group message. This cluster reformation attempt is being stopped and another attempt will be tried.

**Action**

No action is required.

---

**HSTGS0057I The master is ending the reformation of the group (*gs\_group\_id*). OK.**

**Explanation**

This informational message prints when the master finishes cluster reformation.

**Action**

No action is required.

---

**HSTGS0058E Invalid join forwarding address.****Explanation**

The server received an invalid response to a request to join the cluster. This response indicates an internal error.

**Action**

The node will retry to join automatically. Contact IBM Technical Support.

---

**HSTGS0059E The join request failed. Shutting down the metadata server.****Explanation**

An error occurred while joining. The joining node will stop.

**Action**

Restart the server and try the join again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0060E An attempt was made to join, but there was no response from the cluster master.****Explanation**

The subordinate was attempting to join the group, but did not receive a response from the cluster master.

**Action**

If the master was unavailable for a short period of time, no action is required, and the join attempt will succeed. If this error message continues, check the log files for other error messages. Make sure the master is running correctly. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0061E OBSOLETE Error. Send of takeover message on shutdown of master. You will probably have to manually stop the node.****Explanation**

Obsolete message.

**Action**

Obsolete message, no action is required.

---

**HSTGS0062E Cannot start disk the heartbeat monitor. The server process is stopping.**

**Explanation**

The node failed to start disk-based heartbeat service.

**Action**

Make sure the SAN is accessible. Contact IBM Technical Support.

---

**HSTGS0064E The group ended while attempting to report a failed server to the master.**

**Explanation**

The group terminated while the node was attempting to deliver a message to the master server that a peer node had failed. The master already knows about a failure and is reforming the cluster.

**Action**

The server handles it automatically. No action is required.

---

**HSTGS0065E OBSOLETE GS: NIC failover: Failed to deliver hb to master. RC = *gs\_result\_code***

**Explanation**

Obsolete message.

**Action**

Obsolete message. No action is required.

---

**HSTGS0067E The subordinate is ending reformation of group (*gs\_group\_id*). Abort.**

**Explanation**

The group reformation attempt was stopped. The subordinate reverts to the previous group.

**Action**

No action is required. The group transition will be retried.

---

**HSTGS0068I The subordinate is beginning to reform the group.**

**Explanation**

This informational message indicates that the subordinate is about to participate in a group reformation.

### Action

No action is required.

---

## **HSTGS0069I OBSOLETE The master is beginning to reform group: Departing server.**

### Explanation

This informational message indicates that the master is about to reform the group, and is leaving the cluster.

### Action

No action is required.

---

## **HSTGS0070E Received a failed server notification for a nonexistent server.**

### Explanation

The master received a notification of a failed server for a server that does not exist.

### Action

Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0071W The server reported as failed is not currently in service.**

### Explanation

You received a failure notification for a node that is not in service.

### Action

No action is required. This failure notification is ignored.

---

## **HSTGS0074E The master is beginning to reform group: Ejecting failed server *failed\_server\_name*.**

### Explanation

The master is about to reform the cluster because a server is reporting the loss of network heartbeats from a peer node.

### Action

No action is required if the heartbeat errors are expected. Otherwise, check the log for additional error messages. Resolve the errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0075E Two Phase Commit abort command called on a subordinate node.**

**Explanation**

Internal error message.

**Action**

Contact IBM Technical Support.

---

**HSTGS0076S OBSOLETE GS: Cannot start diskhb monitor. The server process is stopping. RC = *gs\_result\_code* Call=*gs\_log\_instance***

**Explanation**

Obsolete message.

**Action**

Obsolete message. No action is required.

---

**HSTGS0077E The metadata server at ip:port *gs\_ip\_address:gs\_port\_id* rejected the addserver request with error code *gs\_result\_code*.**

**Explanation**

The addserver request was rejected by the subordinate server.

**Action**

Check the server logs on the master and the server being added for details.  
Contact IBM Technical Support.

---

**HSTGS0078E The cluster boot record is invalid.**

**Explanation**

The cluster boot record is possibly corrupted.

**Action**

Contact IBM Technical Support.

---

**HSTGS0079S An I/O error occurred while loading the cluster boot record.**

**Explanation**

I/O error; the metadata server is stopping.

### Action

Check for SAN issues. Resolve any errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## HSTGS0080S The cluster boot record does not match the local bootstrap file.

### Explanation

The metadata server is stopping because the local Tank.Bootstrap file does not match the cluster boot record.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## HSTGS0081W This server has not been added to the cluster.

### Explanation

A metadata server that has not been added to the cluster is starting.

### Action

You receive this message if this server is being added to the cluster. No action is required. The server is ready to be added. If this is a server that has already been added to the cluster, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health or contact IBM Technical Support.

---

## HSTGS0082E The addserver failed with error code = *gs\_result\_code*.

### Explanation

The addserver operation failed due to an internal error.

### Action

This is a server internal error. Contact IBM Technical Support.

---

## HSTGS0083E OBSOLETE The addserver request was rejected due to an invalid network.

### Explanation

The subordinate rejected the addserver request because the network the subordinate is on is not the same logical subnet as the existing cluster.

### Action

Make sure this node is on the same logical network with the master.

---

**HSTGS0084E Addserver request failed: failed to discover the cluster devices. *gs\_cluster\_id*.**

**Explanation**

The addserver request was rejected because the server being added failed to discover the cluster devices.

**Action**

Check for SAN issues. Check the server log on the subordinate being added and the master node for more details. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0085S A fatal I/O error occurred while being added to the cluster.**

**Explanation**

An I/O error occurred during the addserver request and the server is stopping.

**Action**

Check for SAN issues. Resolve any errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0086E Failed to send the addserver response to (*ip:port gs\_ip\_address:gs\_port\_id*) with return code *gs\_result\_code*.**

**Explanation**

The addserver request was rejected because the server failed to send the addserver response to the master.

**Action**

The reply might have failed due to master failure or a network fault. Check for network issues or master failure. See the server logs additional messages. Try the addserver request again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0087W The server is stopping due to a cluster configuration parameter mismatch.**

**Explanation**

There was a cluster configuration parameter mismatch during the addserver operation. The server being added has a disruptive cluster configuration parameter that does not match the current cluster setting. The server being added will apply the new cluster configuration values, and you must restart the server to activate the new settings.

### **Action**

If autorestart is enabled, the server restarts automatically. If autorestart is disabled, use the startserver command on that node to restart the server. When the server is running again, you can retry the addserver operation.

---

## **HSTGS0088E The server is stopping due to a configuration file write error during addserver.**

### **Explanation**

Failed to write the configuration file. The addserver request failed and the node is stopping.

### **Action**

Check for problems with I/O to the local drive. Resolve issues and retry the addserver request. Contact IBM Technical Support.

---

## **HSTGS0089E Failed to create a thread.**

### **Explanation**

The server was unable to start a new thread.

### **Action**

Check for system resource issues. Contact IBM Technical Support.

---

## **HSTGS0090E OBSOLETE GS: Lookup (remove=*gs\_nic\_id*) of two phase commit data *gs\_2pc\_id* failed.**

### **Explanation**

This is a server internal error.

### **Action**

Contact IBM Technical Support.

---

## **HSTGS0091E OBSOLETE NIC Failover begin: The group pointer is NULL.**

### **Explanation**

This is a server internal error.

### **Action**

Contact IBM Technical Support.



---

**HSTGS0092E OBSOLETE NIC Failover prepare: The group pointer is NULL.**

**Explanation**

This is a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0093E OBSOLETE NIC Failover prepare: Could not find data for tpcid=*gs\_tpc\_id*.**

**Explanation**

This is a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0094E OBSOLETE NIC Failover commit/abort: The group pointer is NULL.**

**Explanation**

This is a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0095E OBSOLETE Failure in NIC Failover: The current group is not equal to data.curGroup.**

**Explanation**

This is a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0096E OBSOLETE Master sock initialization sending response to IP address: *gs\_ip\_address*, port: *gs\_port\_id* failed.**

**Explanation**

This server failed to initialize the master socket.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0097E Master socket initialization failed. Unable to send response to IP address: *gs\_ip\_address*, port: *gs\_port\_id*. Aborting.**

### **Explanation**

This node failed to initialize the master socket.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0098W CALLHOME: Attempting a graceful shutdown of the group, but it is already halted. The server process is stopping.**

### **Explanation**

The group is already stopped while attempting a graceful shutdown.

### **Action**

No action is required.

---

## **HSTGS0100E out-of-memory error.**

### **Explanation**

Memory allocation failed.

### **Action**

Check system resource usage.

---

## **HSTGS0101E Fatal I/O error while writing cluster boot record during cluster installation.**

### **Explanation**

A fatal I/O error occurred while creating a boot record.

### **Action**

Make sure the SAN is accessible. Check the log for other messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0102E A shared partition write failed.****Explanation**

An error occurred while writing the cluster boot record.

**Action**

Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0103S A fatal I/O error occurred while reading the cluster boot record.****Explanation**

A fatal I/O error occurred while reading the cluster boot record. This server is stopping.

**Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0104S A fatal I/O error occurred while reading the cluster boot record.****Explanation**

A fatal I/O error occurred while loading the boot record. The server is stopping.

**Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0105E A shared partition read failed.****Explanation**

An error occurred while loading the cluster boot record.

**Action**

Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0106E The cluster boot record is invalid or corrupt.****Explanation**

The cluster boot record is not compatible with the server.

**Action**

Make sure you are using the correct version of the product. Contact IBM Technical Support.

---

**HSTGS0107E The cluster boot record is invalid or corrupt.****Explanation**

The cluster boot record is not compatible with the server.

**Action**

Make sure you are using the correct version of the product. Contact IBM Technical Support.

---

**HSTGS0108E The cluster boot record is invalid or corrupt.****Explanation**

The cluster boot record is not compatible with the server.

**Action**

Make sure you are using the correct version of the product. Contact IBM Technical Support.

---

**HSTGS0109S A fatal I/O error occurred while loading the cluster boot record.****Explanation**

A fatal I/O error occurred while loading the boot record. This node is stopping.

**Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0110E An error occurred while reading the cluster boot record.****Explanation**

A non I/O error occurred while reading the cluster boot record.

### **Action**

Check the log for additional errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0111S A fatal I/O error occurred while writing the uncommitted cluster boot record.**

### **Explanation**

A fatal I/O error occurred while writing the cluster boot record. This node is stopping.

### **Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0112S CALLHOME: A fatal I/O error occurred. The server process is stopping.**

### **Explanation**

A fatal I/O error occurred while storing the boot record. This node is stopping.

### **Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

## **HSTGS0113S CALLHOME: Forced abort in gsgrouparray.C, line *gs\_line\_number*. The server process is stopping.**

### **Explanation**

This message indicates a server internal error.

### **Action**

Contact IBM Technical Support.

---

## **HSTGS0114E A shared partition read failed with error code = *gs\_result\_code*.**

### **Explanation**

A non I/O error occurred while reading the boot record.

**Action**

Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0115E The boot record is not in a valid format.****Explanation**

The boot record is not compatible with the server.

**Action**

Make sure you are using the correct version of the product. Contact IBM Technical Support.

---

**HSTGS0116E A fatal I/O error occurred.****Explanation**

A fatal I/O error occurred while writing the cluster boot record. This node is stopping.

**Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0117E A shared partition write failed.****Explanation**

A non I/O error occurred while writing the cluster boot record.

**Action**

Check the log for additional error messages. Resolve the errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0118E A fatal I/O error has occurred.****Explanation**

A fatal I/O error occurred while writing the cluster boot record. This node is stopping.

**Action**

Make sure the SAN is accessible. Check the log for additional error messages. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0119E A shared partition write failed. RC = *gs\_result\_code*.****Explanation**

A non I/O error occurred while writing the cluster boot record.

**Action**

Check the log for additional error messages. Resolve the errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0120E The server name is not valid.****Explanation**

An attempt was made to set the current master to a non-existent server.

**Action**

Use a valid node name. Contact IBM Technical Support.

---

**HSTGS0121E An attempt was made to set the master on the existing master.****Explanation**

Setting the master is allowed only on a server that is currently not the existing master.

**Action**

Contact IBM Technical Support.

---

**HSTGS0122E Failed to swap roles of the current master and a subordinate.****Explanation**

An internal error occurred while swapping the master with another subordinate node.

**Action**

Contact IBM Technical Support.

---

**HSTGS0123I Group Service has set server *gs\_server\_name* to be the master.****Explanation**

This is an informational message that prints when setMaster completes.

### Action

No action is required.

---

**HSTGS0124W Did not find server with IP address = *gs\_ip\_address*, and Group Services port = *gs\_port\_id***

### Explanation

An attempt was made to look up a server based on an IP and Group Services port. This message is expected and is normal in certain situations, but could also indicate errors.

### Action

Because this message could indicate errors, check the log for additional error messages.

---

**HSTGS0125E Failed to find a peer-server to the left.**

### Explanation

Cannot find a suitable left heartbeat partner.

### Action

No action is required. Check the server log for additional error messages.

---

**HSTGS0126E Failed to find a peer-server to the right.**

### Explanation

Cannot find a suitable right partner.

### Action

No action is required. Check the server log for additional error messages.

---

**HSTGS0128E OBSOLETE GSMSG: Error. Create socket failed**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGS0129E GSMSG: Error. Bind socket failed #*gs\_log\_instance***

### Explanation

No additional information is available for this message.



**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGS0130E OBSOLETE Create listener thread failed****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTGS0131E Failed to initialize the group services communication socket.****Explanation**

Failed to initialize a socket.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0132E Failed to start group services communication receiver thread.****Explanation**

Failed to create a thread to receive group services messages.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0137E Reliable send failed.****Explanation**

Socket send failed.

**Action**

Check your system and network. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0138E Send failed. Socket is NULL.****Explanation**

This message indicates a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0139E Send With Reply failed. Socket is NULL.****Explanation**

This message indicates a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0140E OBSOLETE Send With Reply to IP address = *gs\_ip\_address*, port = *gs\_port\_id* failed.****Explanation**

This message indicates that a socket operation failed.

**Action**

Check your system and network. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0141E Reply failed. Reply socket is NULL.****Explanation**

This message indicates a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0142E OBSOLETE Error starting GS TCP listener.****Explanation**

Msg in obsolete code. Socket listen failed.

**Action**

Check your system and network. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0143E OBSOLETE GSMSG: Error accepting GS TCP connection.****Explanation**

Message in obsolete code. Socket accept failed.

**Action**

Check your system and network. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0144E OBSOLETE GS TCP Listen error. Failed to start receiver thread.****Explanation**

Message in obsolete code.

**Action**

No action required.

---

**HSTGS0145E GSMSG: Receive thread exited. Error = *gs\_result\_code*****Explanation**

This message indicates a server internal error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0146E Error receiving message. rc = *gs\_result\_code*, Socket Error = *gs\_socket\_result\_code*, Message Length = *gs\_msg\_length*.****Explanation**

The Group Services communication subsystem encountered an error while receiving a message. The server will stop.

**Action**

Check your system and network health. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0147E OBSOLETE GS TCP socket initialization failed with IP address = *gs\_ip\_address*.****Explanation**

Obsolete code.

**Action**

No action required.

---

**HSTGS0148E OBSOLETE GS TCP Connection to IP address = *gs\_ip\_address*, port *gs\_port\_id* failed. Error = *gs\_result\_code***

**Explanation**

Obsolete code.

**Action**

No action required.

---

**HSTGS0149E OBSOLETE Failed to start a GS TCP receiver thread.**

**Explanation**

Obsolete code.

**Action**

No action required.

---

**HSTGS0152E Invalid sector size during installation of the quorum disk lock.**

**Explanation**

This message indicates an internal server error.

**Action**

Contact IBM Technical Support.

---

**HSTGS0153E No memory encountered during installation of the quorum disk lock.**

**Explanation**

The server ran out of memory during the installation of the quorum disk lock.

**Action**

Check system resources. Consult the "Maintenance and Problem Determination Guide" for suggestions or contact your IBM service representative for additional assistance.

---

**HSTGS0154W No Tank.Bootstrap file. This server has not been added to the cluster.**

**Explanation**

A server that has not been added to the cluster will not have a Tank.Bootstrap file. During the addserver operation the server creates the local Tank.Bootstrap file.

**Action**

If this server has not been added, no action is required. If the server was added to the cluster, the local Tank.Bootstrap file has been removed. Consult the "Maintenance and Problem Determination Guide" for suggestions or contact your IBM service representative for additional assistance.

---

**HSTGS0161E Failed to load the group or locate the local server in the cluster boot record (RC = *gs\_result\_code*).**

**Explanation**

The server either failed to load the cluster boot record from the SAN, or loaded the cluster boot record and does not find itself to be a member of the cluster.

**Action**

Check your SAN access. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTGS0162E The subordinate has lost the master of group (*gs\_group\_id*).**

**Explanation**

This subordinate node has lost contact with the cluster master. The cluster will automatically select a new master server.

**Action**

No action is needed. Verify that the cluster successfully selected a new master metadata server.

---

**HSTGS0163I A cluster transition is in progress. The join will be tried again.**

**Explanation**

When a subordinate server sends a join request to the master server during an in progress cluster transition, the master server tells the subordinate to try the join again.

### Action

This message is an information message. The subordinate will automatically try the join again. No action is required.

---

## **HSTGS0164I OBSOLETE Concurrent start and stop callbacks were issued.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTGS0165E Addserver request was rejected due to version incompatibility. RC = *vcm\_result\_code*.**

### Explanation

This error occurs when an attempt is made to add a server that is running an older version of the server software than the cluster is currently running.

### Action

Make sure you are using the correct version of the product.

---

## **HSTGS0169E Failed to stop as master with error code (*cm\_result\_code*).**

### Explanation

During a cluster reformation, the master failed to stop another subsystem.

### Action

Check the logs for additional error messages. Contact IBM Technical Support.

---

## **HSTGS0170E Failed the first phase of master startup with error code (*cm\_result\_code*).**

### Explanation

During a cluster reformation, the master failed to start another subsystem during phase one of master startup.

### Action

Check the logs for additional error messages. Contact IBM Technical Support.

---

**HSTGS0171E Failed the second phase of master startup with error code (*cm\_result\_code*).**

**Explanation**

During a cluster reformation, the master failed to start another subsystem during phase two of master startup.

**Action**

Check the logs for additional error messages. Contact IBM Technical Support.

---

**HSTGS0172E Failed to send the commit message response to the master; subordinate has lost master node.**

**Explanation**

This node failed to send a message to the cluster master. The node will no longer be in the group.

**Action**

Check your system and network. Resolve the errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0175E Disks not scanned yet or scan failed, clusterId *gs\_cluster\_id*.**

**Explanation**

Addserver was rejected because the server failed to discover the cluster devices.

**Action**

Check disk access. Check the log for additional error messages. Resolve any errors and try adding the server again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTGS0176E Initialization of array *gs\_array\_name* failed.**

**Explanation**

Array initialization failed because it failed to get the master partition sector size or due to a memory allocation error.

**Action**

Check for machine resource issues and contact your service representative.

---

**HSTGS0177E OBSOLETE Cluster transition thread create failed probably due to a resource error.**

**Explanation**

Cluster transition startup failed to create a new thread.

**Action**

Check the machine resource and contact your service representative.

---

**HSTGS0178E New server rejected a join invitation. Check the parameters.**

**Explanation**

A new metadata server rejected a join invitation from the master metadata server. This error is typically caused by mismatched parameters.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0179E New server does not have valid name.**

**Explanation**

A new metadata server sent a name that was not valid during the joining process.

**Action**

Make sure the name is valid and does not exceed 32 bytes. If the problem persists, contact your service representative.

---

**HSTGS0180E OBSOLETE Received a message from previous cluster master. Stopping the newly designated master.**

**Explanation**

When the master metadata server suffers a hard fault, a setmaster command is typically used on a subordinate server to set a new master for the cluster. However, if the newly designated master determines that the original master is still operational, the newly designated master stops.

**Action**

Ensure that the original master is really powered down and that the subordinate is up. Then, run the setmaster command on the subordinate again.



---

**HSTGS0181E Server stopping...****Explanation**

If the cluster is shutdown due to any reason other than an Admin initiated shutdown, an error message is sent to the log before shutting down.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0182I ADMIN SHUTDOWN.... HALTING CLUSTER SERVICES****Explanation**

If the administrator shuts the server down, it is not an error. An informational message is appended to the log and the cluster shuts down gracefully.

**Action**

No action is required.

---

**HSTHA0001E HAMMON: Error: Create socket failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0002E HAMMON: Error: Bind socket failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0003S HAM: Fatal error: High Availability Manager already started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0004E HAM: Failed to initialize network heartbeat system.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0005E OBSOLETE HAM: Cannot initialize disk hb system.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0006E HAM: Failed to fork failover management thread.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0007S Aborting: Failed to start net path LEFT 1.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0008E OBSOLETE HAM: Failed to start one heartbeat monitor to left neighbor.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0009S Aborting: Failed to start net path RIGHT 1.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0010E OBSOLETE HAM: Failed to start one heartbeat monitor to right neighbor.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0011E Stop network heartbeat failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0012I OBSOLETE No disk heart beat in release 1, disable me.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0013E OBSOLETE HAM: Group ID inconsistent between Group Services and High Availability Manager.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0014E OBSOLETE HAM: Cluster ID inconsistent between Group Services and High Availability Manager.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0015S OBSOLETE Aborting. Disk heartbeat event not expected.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0016E OBSOLETE HAM: reportEvent(disk): Invalid monitor type High Availability Manager: *ham\_monitor\_type***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0017E OBSOLETE HAM: reportEvent(disk) event reported for non-neighbor node NodeId *ham\_node\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0018E HAM: Failed to allocate new Q element.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0019E HAM: Monitor type is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0020E HAM: Monitor event is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0021I HAM: Resource is already in a failed state. No event was reported.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0022I OBSOLETE HAM: NIC failover completed, result=(COMMIT).****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0023I OBSOLETE HAM: NIC failover completed, result=(ABORT).**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0024E Received network hb failure event for node not in cluster.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0025E OBSOLETE Invalid state detected in High Availability Manager failure management thread: *ham\_state\_value***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0026E OBSOLETE HAM:High Availability Manager state *ham\_state\_value* is not valid.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0027S OBSOLETE HAM: Node failover failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0028W OBSOLETE HAM DECISION: --- TRANSIENT CONDITION ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0029E OBSOLETE HAM DECISION: --- SERVER LOSS DETECTED ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0030E OBSOLETE HAM DECISION: --- LOCAL NET FAILURE ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0031E OBSOLETE HAM DECISION: --- REMOTE NET FAILURE ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0032S OBSOLETE HAM DECISION: --- TOTAL NET LOSS FAILURE ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0033W OBSOLETE HAM DECISION: --- NETWORK PARTITION ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0034E OBSOLETE HAM DECISION: --- NODE/OS LOSS DETECTED ----****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0035E OBSOLETE HAM: NIC*ham\_nic\_id* has failed. IP = *ham\_ip\_address*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0036E OBSOLETE HAM: Error: Refusing to fail over an IP that is marked bad.****Explanation**

No additional information is available for this message.



### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0037E OBSOLETE HAM: Failed to launch on-demand operating system ping monitor.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0038W OBSOLETE HAM: All nodes are accessible, but not all gateways.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0039S OBSOLETE Gateway paths are OK, but node paths failed. The server process is stopping.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0040W OBSOLETE HAM: No path to primary gateway *ham\_gateway\_name***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0041W OBSOLETE HAM: No path to secondary gateway**

*ham\_gateway\_name*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0043E OBSOLETE HAM: Gateways supplied for IP1 and IP2 are not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0044E OBSOLETE HAM initialization failed: IP1 and IP2 are the same: IP1 = *ham\_ip\_address*, IP2 = *ham\_ip\_address*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0045E HAM: Failover failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0046I Failed to allocate a new thread context.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0047I OBSOLETE Hang Recovery..... *ham\_recovery*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0048I Server Hang Detection thread started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0049I Injected a Normal processing delay in *ham\_worker\_thread*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0050I OBSOLETE Injected a Priority processing delay in *ham\_worker\_thread*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0051I Cannot set thread state. The state is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0052I OBSOLETE Null thread context****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0053I OBSOLETE Thread state is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0054I Thread context was not found: *ham\_thread\_id*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0055I OBSOLETE Server hang detection scale factor = *ham\_scale\_factor*. It is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTHA0056E Server internal deadlock or hang detected.****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0057E High Availability Manager in shutdown state: Server hang thread returning**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0058E OBSOLETE *ham\_api\_msg***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0059E Socket receive error. The server process is stopping.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0060E Fatal I/O error. The server process is stopping.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0061W Stop exited because debug set: *cm\_abort\_flags***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0062I Server hang thread disabled by error injection**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0063W Thread either long-living, bottlenecked, deadlocked, or hung: name=*ham\_pool\_name*, threadId=*ham\_thread\_id*, iteration=*ham\_iteration***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLM0001E LMRep: Unable to start cache manager thread.**

### **Explanation**

Failure occurred while starting lock manager cache cleaner thread.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTLM0002E DowngradeDataLock: objId *lm\_object\_id*: clientId *lm\_client\_id*: invalid downgrade: *lm\_data\_lock\_mode* -> *lm\_data\_lock\_mode*.**

### **Explanation**

Client has requested server to downgrade object data lock to invalid lock mode.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0003E ReassertDataLock: objId *lm\_object\_id*: clientId *lm\_client\_id*, mode *lm\_mode* conflicts with clientId *lm\_object\_id*, mode *lm\_mode*.**

### Explanation

Client has requested reassert data lock with wrong client ID.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0004E ReassertDataLock: objId *lm\_object\_id*: clientId *lm\_client\_id*, mode *lm\_mode* incompatible with altId *lm\_client\_id*, mode *lm\_mode*.**

### Explanation

Client has requested to reassert data lock with invalid lock mode. Client is allowed to reassert its data lock with lesser mode if old mode was exclusive.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0006E DowngradeSessionLock: objId *lm\_object\_id*: clientId *lm\_client\_id*: invalid downgrade: *lm\_lock\_mode* -> *lm\_lock\_mode*.**

### Explanation

Client has requested server to downgrade object session lock to invalid lock mode.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0007E ReassertSessionLock: objId *lm\_object\_id*: clientId *lm\_client\_id*, mode *lm\_mode* conflicts with clientId *lm\_client\_id*, mode *lm\_mode*.**

**Explanation**

Client has requested reassert session lock with wrong client ID.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0008E ReassertSessionLock: objId *lm\_object\_id*: clientId *lm\_client\_id*, mode *lm\_mode* incompatible with altId *lm\_client\_id*, mode *lm\_mode*.**

**Explanation**

Client has requested to reassert session lock with invalid lock mode.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0011E demand\_data\_lock: Timed out: Client ID=*client\_id*, Requesting client ID=*client\_id*, Object ID=*object\_id*, Demand type=*demand\_type*, Demanded mode=*demand\_mode* (no response in *number\_of\_seconds* seconds).**

**Explanation**

The specified client did not respond to a data lock demand within the allowed number of seconds. The client's lease will expire and then corrective actions will be attempted.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTLM0012E Error. Could not find data lock latch to release object ID *lm\_object\_id*.**

**Explanation**

Server process failed to find lock manager object to release data lock latch. Some other process might have destroyed it underneath without checking latch holders. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0013E Set Range Lock: Error. Range is not valid.**

**Explanation**

Set range request or relinquish range request from client for range lock contains invalid range.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0014E Set Range Lock: Error. Unknown flag specified.**

**Explanation**

Set range request from client for range lock contains invalid flags.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0015E Set Range Lock: Error. Flag combination is not valid.**

**Explanation**

Set range request from client for range lock contains invalid flag combinations.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTLM0016E Set Range Lock: No session lock.**

### **Explanation**

Client is expected to hold a session lock on an object before requesting range lock. Set range lock request detected that client does not have session lock on object.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTLM0018E Relinquish Range Lock: A range length of 0 is not valid.**

### **Explanation**

Relinquish range request from client for range lock contains invalid range length.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTLM0019E Relinquish Range Lock: No session lock.**

### **Explanation**

Client is expected to hold session lock on object before requesting range lock. Relinquish range lock request detected that client does not have session lock on object.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0020E Relinquish Range Lock: Object ID = *lm\_object\_id*, Client ID = *lm\_client\_id*, Owner ID = *lm\_owner\_id*, Range = *lm\_range\_name*: conflicts with other locks!**

**Explanation**

Range lock conflict detected while processing relinquishing range lock request.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0022E Demand Range Lock Response: Object ID = *lm\_object\_id*, Client ID = *lm\_client\_id*, Range = *lm\_range\_name*: does not meet the requirements of the demand.**

**Explanation**

Range lock downgrade from client does not meet server demand requirements. The client's lease will expire after waiting for a fixed amount of time.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0023E Demand Range Lock: Timed out: Client ID=*client\_id*, Object ID=*object\_id* (no response in *number\_of\_seconds* seconds).**

**Explanation**

The specified client did not respond to a range lock demand within the allowed number of seconds. The client's lease will expire and then corrective actions will be attempted.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0024E Denying lock due to prior lock mode *OID=(lm\_object\_id)*, Requested lock mode= (*lm\_lock\_mode*), Most restrictive lock mode granted= *lm\_lock\_mode*.**

**Explanation**

Server failed to process late-arriving, session lock reassert request from client as lock is already granted in an incompatible mode to another client.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0026E Demand Session Lock: Timed out: Client ID=*client\_id*, Object ID=*object\_id* (no response in *number\_of\_seconds* seconds).**

**Explanation**

The specified client did not respond to a session lock demand within the allowed number of seconds. The client's lease will expire and corrective actions will be attempted.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0027S CALLHOME: Forced abort in *lmrep\_rangelist.C*, line *lm\_line\_number*. The server process is stopping.**

**Explanation**

Server received invalid range lock request from client. The server process is stopping.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0028I LMRep: Warning. Created object *lm\_object\_id* was not found**

**Explanation**

Server process failed to find lock manager object to mark it as created in current epoch. Some other process might have destroyed it underneath without checking latch holders. This message indicates a server internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0029W Demand data lock: No response from client after *number\_of\_seconds* seconds. ClientId=*client\_id*, ReqClientId=*client\_id*, ObjId=*object\_id*, Demand type=*demand\_type*, Demand mode=*demand\_mode*.**

**Explanation**

The specified client has not responded to a data lock demand for an unusually long period of time. This situation might be due to a slow or overloaded client. If this situation continues, additional warnings will be issued.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0030W Demand range lock: No response from client after *number\_of\_seconds* seconds. ClientId=*client\_id*, ObjId=*object\_id*.**

**Explanation**

A client has not responded to a range lock demand for an unusually long period of time. This situation might be due to a slow or overloaded client. If this situation continues, additional warnings will be issued.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0031W Demand session lock: No response from client after *number\_of\_seconds* seconds. ClientId=*client\_id*, ObjId=*object\_id*.**

**Explanation**

The specified client has not responded to a session lock demand for an unusually long period of time. This situation might be due to a slow or overloaded client. If this situation continues, additional warnings will be issued.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLV0001S CALLHOME: LVM: Unable to create an instance of IvmMasterRep. The server process is stopping.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0002E LVM: An attempt was made to store an empty disk table.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0003E Error sending lvmDemandLPRespMsg to master. RC = *lvm\_result\_code*, lp No = *lvm\_lp\_id*, vol Id = *lvm\_volume\_id***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0004E Error releasing partition. RC = *lvm\_result\_code*, lp No = *lvm\_lp\_id*, vol Id = *lvm\_volume\_id***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0005E LVM installation failed. Logical Volume Manager master is already started.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0006E LVM installation failed. Partition size is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0007E LVM installation failed. The master disk is not configured.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0008E LVM installation failed. Master disk is too small. For a partition size of *lvm\_partition\_size* MB, the capacity must be greater than *lvm\_partition\_size* MB.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0009E LVM master: Logical Volume Manager already started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0010E LVM Master: Duplicate master disk was found.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0011E LVM Master: Unable to locate the master disk.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0012E LVM Master: Error *lvm\_result\_code* loading master record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0013E LVM master: Error *lvm\_result\_code* loading metadata from disk.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0014E LVM master: *lvm\_master\_name* - Logical Volume Manager master was not started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTLV0021E LVM master addDisk(): Cannot allocate memory for disk control block.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0022E LVM Add Disk failed. Disk is not configured.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0023E Disk id `0xlvmdisk_id` sector size does not match installation sector size.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0024E Disk id `0xlvmdisk_id` is too small. The capacity must be at least `lvmpartition_size` physical partitions.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0026E LVM master updateDisk(): Disk is not configured in Global Disk I/O Manager.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0029E LVM master createVolumes(): Memory allocation failed.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0030E LVM master CreateVolumes: An attempt was made to create a volume with a NULL class.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0031E LVM master CreateVolumes: An attempt was made to create a volume with NULL volume ID.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0032E LVM master CreateVolumes: Volume class *lvm\_volume\_class* Volume ID *lvm\_volume\_id* already exists.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0035E LVM master DestroyVolumes: An attempt was made to destroy a volume with a NULL volume ID.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0036E LVM master DestroyVolumes: Volume ID *lvm\_volume\_id* does not exist.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0043W Alert. The SYSTEM storage pool has exceeded the threshold percentage of *lvm\_pool\_size*%. Current usage is *lvm\_pool\_size*% of capacity.**

**Explanation**

The system metadata storage pool has exceeded the utilization threshold for an alert.

**Action**

If this utilization is a concern, increase the capacity of the storage pool or delete files and extraneous system objects such as filesets and policy sets to free up space. Also, removing FlashCopy images might free up space.

---

**HSTLV0045I CALLHOME: Alert. The server is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0046W CALLHOME: LVM: Unable to mark old master disk as a system disk.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0047E Logical Volume Manager master node started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0048E Logical Volume Manager volume *lvm\_volume\_name* was not found.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0051E Logical Volume Manager metadata tables flush error. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0052E An attempt to enable disk scan on subordinate nodes failed. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0054E Scan disk failed on subordinate nodes. RC =**

*lvm\_result\_code*

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0056E Revalidation of disk table state failed. RC =**

*lvm\_result\_code*

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0059E Revalidation of volume and partition failed.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0060E Demand LP release to node *lvm\_node\_id* failed. RC =**

*lvm\_result\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0062E** Not enough free partitions to move the volume contents to another volume. Required = *lvm\_free\_partitions*. Available = *lvm\_free\_partitions*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0063E** GS: Lock share partition failed. RC = *lvm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0064E** GS: Unlock share partition failed. RC = *lvm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0065E** Switch Master disk failed. RC = *lvm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0066E** Read partition failed. RC = *lvm\_result\_code*. Start Sector = *lvm\_sector\_id*, count = *lvm\_sector\_count*.

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0067E Write partition failed. RC = *lvm\_result\_code*. Start Sector = *lvm\_sector\_id*, count = *lvm\_sector\_count*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0068E LVM: New Master disk verification failed. RC = *lvm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0069E LVM: Read/write of old master disk label failed. RC = *lvm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0070E LVM: Read/write of new master disk label failed. RC = *lvm\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0071E LVM: Update reserve partition map on new master disk failed. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0072E LVM: Find master volume failed. Integrity has been lost.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0073E LVM: Global Disk I/O Manager failed to mark new disk as a master disk. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0074E LVM: Revalidation failed. This disk is no longer the master.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTLV0075E LVM demand LP release: Message send failed. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0076E LVM demand LP release: Response shows error. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0077E LVM redistribute partitions: This disk is no longer the master.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0083E Global Disk I/O Manager failed to decommission disk. Diskid = *lvm\_disk\_id*, RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0084E LVM executeListIO: Specified volume ID is not valid:**  
*lvm\_volume\_id*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0085E LVM executeListIO: Specified page range is invalid:**  
**VolumeId=***lvm\_volume\_id***, StartPage=***lvm\_page\_id***,**  
**PageCount=***lvm\_page\_count*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0086E LVM executeListIO: Failed to lock partition:**  
*lvm\_partition\_id*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0087E LVM executeListIO: Error reading partition:**  
*lvm\_partition\_id*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0088E LVM executeListIO: Subordinate cannot access disk:**  
*lvm\_disk\_num*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0089E LVM lockVolume: Error *lvm\_volume\_id* sending lockLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0090E LVM lockVolume: Error code *lvm\_result\_code* from lockLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0092E LVM unlockVolume: volume ID *lvm\_volume\_id* is not Locked.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0093E LVM unlockVolume: Error *lvm\_result\_code* sending unlockLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0094E LVM unlockVolume: Error code *lvm\_result\_code* from unlockLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0095E LVM updateFormattedCount: Error *lvm\_result\_code* sending formatLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0096E VM updateFormattedCount: Error code *lvm\_result\_code* from formatLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0097E LVM extend: Error *lvm\_result\_code* sending extendLV message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0098E LVM lock\_partition: Error *lvm\_result\_code* sending lockLP message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0099E LVM lock\_partition: Error code *lvm\_result\_code* from lockLP message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0100E Logical Volume Manager *lvm\_object\_name*: Disk ID *0xlvmdisk\_id* is not configured by Global Disk I/O Manager.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0101E LVM reassertLVLocks: Send RC = *lvm\_result\_code*,  
response RC = *lvm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0103E LVM: An attempt was made to store an empty logical volume table.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0104E LVM: Disk label is corrupt for disk ID = *lvm\_disk\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0105E LVM: Master record salvage failed. RC =  
*lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0106E LVM: Master record reload failed. RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0107E LVM: Starting FSCK internal failed, RC =**  
*lvm\_result\_code.*

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0108E LVM: Master record verification failed, RC =**  
*lvm\_result\_code.*

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0109E LVM: Salvage of metadata tables failed, RC =**  
*lvm\_result\_code.*

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0110E LVM: Verification of metadata tables failed, RC =**  
*lvm\_result\_code.*

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0112E lockA11LP: Volume ID = *lvm\_volume\_id*. Cannot find volume or it is not locked.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0113E LVM lockA11LP: Error *lvm\_result\_code* sending lockA11LP message.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0114E LVM lockA11LP: All partition locks failed on volume ID *lvm\_volume\_id*, RC = *lvm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0115E cleanWorkload: Set write-ahead log version failed. RC = *db\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0116I Logical Volume Manager metadata check stopped.**

**Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTLV0117E Logical Volume Manager disk table header maximum disk number is too small**

### Explanation

The metadata checker encountered a disk number that cannot be correct.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

## **HSTLV0118E Logical Volume Manager disk table disk numbers are not unique.**

### Explanation

The metadata checker encountered a disk number that cannot be correct.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

## **HSTLV0119E Logical Volume Manager disk header maximum disk count is incorrect *lvm\_max\_disk\_number***

### Explanation

The largest disk number in the Logical Volume Manager disk table did not match the expected value.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

## **HSTLV0120E Logical Volume Manager disk header table magic number is incorrect *0xlvmdiskentrymagic\_number*. Should be *0xlvmdiskentrymagic\_number***

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0121E Logical Volume Manager disk header structure version is incorrect** *lvm\_structure\_version*

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0122E Logical Volume Manager disk header length**  
*lvm\_header\_length* should be *lvm\_header\_length*

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0123E Logical Volume Manager disk header entry count is incorrect** *lvm\_entry\_count*

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0124E Logical Volume Manager disk header second magic number**  
*0xlvmdiskentrymagicnumber* should be  
*0xlvmdiskentrymagicnumber*

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0125E Logical Volume Manager disk entry table first magic number**  
*0xlvmdiskentrymagicnumber* should be  
*0xlvmdiskentrymagicnumber*

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0126E Logical Volume Manager disk entry structure version**  
*lvm\_structure\_version should be lvm\_structure\_version*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0127E Logical Volume Manager disk entry length**  
*lvm\_disk\_entry\_length should be lvm\_disk\_entry\_length*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0128E Logical Volume Manager disk entry disk number**  
*lvm\_disk\_entry\_number should be less than or equal to*  
*lvm\_disk\_entry\_number*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0129E Logical Volume Manager disk entry allocate state is incorrect**  
*lvm\_disk\_entry\_allocate\_state*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0130E Logical Volume Manager disk entry first reserved space *lvm\_disk\_entry\_reserved* should be 0**

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0131E Logical Volume Manager disk entry disk ID is not correct *lvm\_disk\_entry\_id***

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0132E Logical Volume Manager disk entry third reserved space is incorrect *lvm\_disk\_entry\_reserved***

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0133E Logical Volume Manager disk entry space map length *lvm\_disk\_entry\_space\_map\_length* should be *lvm\_disk\_entry\_space\_map\_length***

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0134E Logical Volume Manager disk entry free count *lvm\_disk\_entry\_free\_count* should be *lvm\_disk\_entry\_free\_count***

**Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0135E Logical Volume Manager disk entry fourth reserved space is incorrect** *lvm\_disk\_entry\_reserved*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0136E Logical Volume Manager disk entry fifth reserved space is incorrect** *lvm\_disk\_entry\_reserved*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0137E Logical Volume Manager disk entry sixth reserved space is incorrect** *lvm\_disk\_entry\_reserved*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0138E Logical Volume Manager disk entry second magic number is 0x***lvm\_disk\_entry\_magic\_number* **should be**  
**0x***lvm\_disk\_entry\_magic\_number*

### Explanation

The Logical Volume Manager disk table is corrupt and should be salvaged.

### Action

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0139E Logical Volume Manager disk entry name is incorrect****Explanation**

The Logical Volume Manager disk table is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the disk table.

---

**HSTLV0140W The metadata check command was issued to a subordinate node. This command must be issued to the master node.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTLV0141E Logical Volume Manager master disk ID =  
0xlvmmaster\_disk\_id is incorrect lvm\_result\_code****Explanation**

The metadata checker encountered an error checking the Logical Volume Manager master control block disk ID.

**Action**

Resolve the error before running the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTLV0142E Logical Volume Manager master record load failed  
lvm\_result\_code****Explanation**

The metadata checker encountered an error loading the Logical Volume Manager master control record.

**Action**

Resolve the error before running the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTLV0143E Logical Volume Manager master record first magic number**  
*0xlvm\_master\_record\_magic\_number should be*  
*0xlvm\_master\_record\_magic\_number*

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0144E Logical Volume Manager master record structure version**  
*lvm\_structure\_version should be lvm\_structure\_version*

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0145E Logical Volume Manager master record length**  
*lvm\_master\_record\_length should be lvm\_master\_record\_length*

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0146E Logical Volume Manager master record partition size**  
*lvm\_master\_record\_partition\_size is not correct*

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0147E Logical Volume Manager master record sector size**  
*lvm\_master\_record\_sector\_size should be*  
*lvm\_master\_record\_sector\_size*

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0148E One of:****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0149E Logical Volume Manager master record partition size**  
*lvm\_master\_record\_partition\_size***Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0150E Logical Volume Manager master record sector size**  
*lvm\_master\_record\_sector\_size***Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0151E or Logical Volume Manager master record sectors per partition**  
*lvm\_master\_record\_sectors\_per\_partition***Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0152E is incorrect because partition size should equal sector size times sectors per partition****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.



**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0153E Logical Volume Manager master record reserved partitions *lvm\_master\_record\_resv\_partitions* should be *lvm\_master\_record\_resv\_partitions***

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0154W Logical Volume Manager master record install time is in the future**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0155W Logical Volume Manager master record update time is before install time or in the future.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0156E Logical Volume Manager master record. Base of first copy of Logical Volume Manager tables is incorrect**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0157E Logical Volume Manager master record. Base of second copy of Logical Volume Manager tables is incorrect.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0158E Logical Volume Manager master record committed copy is incorrect.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0159E Logical Volume Manager master record alert percentage is incorrect.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0160E Logical Volume Manager master record shadow copy size is not *lvm\_master\_copy\_size***

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0161E Logical Volume Manager master record update sequence number is incorrect.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0162E Logical Volume Manager master record third reserved space should be zero.****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0163E Logical Volume Manager master record fourth reserved space should be zero.****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0164E Logical Volume Manager master record fifth reserved space should be zero.****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0165E Logical Volume Manager master record sixth reserved space should be zero.****Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0166E Logical Volume Manager master record second magic number `0xlvmmasterrecordmagicnumber` should be `0xlvmmasterrecordmagicnumber`.**

**Explanation**

The Logical Volume Manager master record is corrupt and should be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the master record.

---

**HSTLV0167E Logical Volume Manager master record is corrupt. Attempting to repair.**

**Explanation**

The Logical Volume Manager master record is being salvaged.

**Action**

No action necessary.

---

**HSTLV0168I Logical Volume Manager master record was repaired.**

**Explanation**

The Logical Volume Manager master record is being salvaged.

**Action**

No action necessary.

---

**HSTLV0169E Logical Volume Manager tables are corrupt. Attempting to repair.**

**Explanation**

The Logical Volume Manager disk and volume tables are being salvaged.

**Action**

No action necessary.

---

**HSTLV0170I Logical Volume Manager metadata tables were repaired.**

**Explanation**

The Logical Volume Manager disk and volume tables have been salvaged.

**Action**

No action necessary.

---

**HSTLV0171E Logical Volume Manager volume table volume IDs are not unique.**

**Explanation**

The metadata checker encountered a volume ID that cannot be correct.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0172E Logical Volume Manager volume table physical partition IDs are not unique.**

**Explanation**

The metadata checker encountered a partition ID that cannot be correct.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0173E Logical Volume Manager volume table header first magic number `0xlvmmasterrecordmagicnumber` should be `0xlvmmasterrecordmagicnumber`.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0174E Logical Volume Manager volume table header structure version `lvmmheaderstructureversion` should be `lvmmheaderstructureversion`**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0175E Logical Volume Manager volume table header length**  
*lvm\_header\_structure\_length should be lvm\_header\_structure\_length*

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0176E Logical Volume Manager volume table header entry count is incorrect** *lvm\_header\_entry\_count*

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0177E Logical Volume Manager volume table header first reserved space** *lvm\_volume\_reserved\_space should be 0*

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0178E Logical Volume Manager volume table header second magic number** *0xlv\_header\_magic\_number should be 0xlv\_header\_magic\_number*

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0179E Logical Volume Manager volume table entry first magic number `0xlvn_table_entry_magic_number` should be `0xlvn_table_entry_magic_number`.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0180E Logical Volume Manager volume table entry structure version `lvn_structure_version` should be `lvn_structure_version`**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0181E Logical Volume Manager volume table entry length `lvn_table_length` should be `lvn_table_length`**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0182E Logical Volume Manager volume table entry class `lvn_volume_class` is incorrect**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0183E Logical Volume Manager volume table entry page size  
*lvm\_page\_size* is incorrect**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0184E Logical Volume Manager volume table entry volume id is  
incorrect *lvm\_volume\_id***

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0185E Volume table entry formatted partitions  
*lvm\_format\_partitions* should be less than or equal  
*lvm\_format\_partitions*.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0186E Logical Volume Manager volume table entry first  
reserved space *lvm\_reserved\_space* should be 0.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.



---

**HSTLV0187E Logical Volume Manager volume table entry second reserved space *lvm\_reserved\_space* should be 0.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0188E Logical Volume Manager volume table entry second magic number *0x**lvm\_table\_entry\_magic\_number* should be *0x**lvm\_table\_entry\_magic\_number*.**

**Explanation**

The metadata checker Logical Volume Manager volume table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume table.

---

**HSTLV0189E Partition map entry disk number *lvm\_map\_disk\_number* should be less than or equal to number *lvm\_map\_disk\_number***

**Explanation**

The metadata checker Logical Volume Manager volume partition map is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume partition table.

---

**HSTLV0190E Partition map entry disk entry *lvm\_map\_entry* does not exist.**

**Explanation**

The metadata checker Logical Volume Manager volume partition map is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume partition table.

---

**HSTLV0191E Partition map flags are incorrect *lvm\_map\_flags*****Explanation**

The metadata checker Logical Volume Manager volume partition map is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume partition table.

---

**HSTLV0192E Partition map physical partition number *lvm\_phys\_partition\_number* is incorrect.****Explanation**

The metadata checker Logical Volume Manager volume partition map is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to recreate the volume partition table.

---

**HSTMG0001E OBSOLETE Message catalog is already open.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMG0002E OBSOLETE File '@1' contains a message catalog that is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTMG0003E OBSOLETE Unable to open message catalog file '@1'.****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0002E NET: Send failed for message number: *net\_msg\_number*, RetCode: *net\_result\_code*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0004E NET: Ignoring acknowledgment for message number: *net\_msg\_number*. Receiver ID 0.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0005E NET: Addr *net\_ip\_address:net\_port\_id* in use, waiting *net\_bind\_timeout* seconds, on attempt *net\_bind\_attempts* of *net\_bind\_attempts***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0006E NET: Nagle not disabled for new connection *net\_socket\_error***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0007E NET: Ignoring message number: *net\_msg\_number* Type: *net\_msg\_type* with invalid receiver identity: *net\_receiver\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTNE0008E NET: Ignoring message; the header is not valid**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOM0001E TM: Mismatch on OM:Null\_LockEpoch.**

**Explanation**

Server internal error detected while doing run time checks.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTOM0002E OMRep::open\_fileset: Duplicate fileset *om\_fileset\_name* (*om\_fileset\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTOM0003S OMRep: Out of memory.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTOM0004E Out of memory****Explanation**

The metadata server has encountered an unexpected out-of-memory error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTOP0001I Configuration change: *adm\_option\_name* set to *adm\_option\_setting*. The old value was *adm\_option\_setting*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0002W Duplicate system volume specified on the command line, *opt\_parameter\_name*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0003E Error: Expecting GS::*Null\_Clusterid* = 0, not *pgm\_cluster\_id*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0004E Error: expecting GS::Null\_NodeId = -1, not  
*pgm\_cluster\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0005E Error: The *opt\_option\_name* option cannot be processed.  
Return code = *opt\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0006E A maximum of *opt\_msg\_key\_max* message keys or aggregates  
can be specified.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0007E Probability value must be between 0 and 100.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0008E Server needs to be compiled with Debug switch.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0009E Argument not valid: *opt\_arg\_name*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0010E Error: Option *opt\_arg\_name* was not found.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0011E The option *opt\_arg\_name* must have a specified value.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0012E The *opt\_arg\_name* option is the same as the *opt\_arg\_name* option.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0013E A maximum of *opt\_max\_disks* disk names can be specified.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0014E At least one system disk name must be specified.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0015E The execution mode is not valid: *opt\_execution\_mode*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0016I OPT: Would restart cluster here.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0017I OPT: Would restart node here.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0018E OPT: *write\_file()* failed. RC = *opt\_result\_code*****Explanation**

No additional information is available for this message.



### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0019W OPT: parse\_buffer() failed. The configuration parameters do not match.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0020E Missing value for *opt\_arg\_name* option.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0021W Warning. The *opt\_arg\_name* option was specified more than once.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0022E The specified value, *opt\_arg\_value*, caused an error for the *opt\_arg\_name* option.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0023E Option *opt\_arg\_name* cannot be set in the current execution mode.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0024E Error: port : *opt\_port\_name* is already specified for another option.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0025I Consult the Administrator's Guide and Reference for information on parameters.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0026W Warning. Could not find file Tank.Config. All configuration parameters must be set on the command line.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0027E Registration of a group services callback failed.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0028E** The *opt\_option\_name* option was not set. Returning error code *opt\_result\_code*.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0029W** The value of the *opt\_option\_name* option is already set to *opt\_option\_value*.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0030W** The modification of the *opt\_option\_name* option has been canceled.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTOP0031W** The *opt\_option\_name* option has already been set. Further changes are not permitted.

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPC0001W** The character string *string* was truncated during assignment.

**Explanation**

During evaluation of a policy set, a string was truncated.

This warning can occur during policy set creation, activation, or execution.

**Action**

Examine the policy set for string concatenation and type casting operations.

---

**HSTPC0002W** The result of character string concatenation was truncated.

**Explanation**

During evaluation of a policy set, a string was truncated.

This warning can occur during policy set creation, activation, or execution.

**Action**

Examine the policy set for string concatenation and type casting operations.

---

**HSTPC0003E** Insufficient memory was available to process the SQL statement.

**Explanation**

The server ran out of memory during the evaluation of a policy set. A rule in the policy set might be too complex.

**Action**

Examine the policy set for overly complex rules.

---

**HSTPC0004E** An SQL parser stack overflow occurred while processing token *sql\_token*.

**Explanation**

A policy set is too complex.

**Action**

Reduce the complexity of the policy set.

---

**HSTPC0005E Unexpected SQL key word token - *sql\_token*.****Explanation**

There is a syntax error in the policy set. The specified token was not expected. A common cause is a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0006E Unexpected SQL identifier token - *sql\_token*.****Explanation**

There is a syntax error in the policy set. The specified token was not expected. A common cause is a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0007E Unexpected SQL literal token - *sql\_token*.****Explanation**

There is a syntax error in the policy set. The specified token was not expected. A common cause is a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0008E Unexpected SQL operator token - *sql\_token*.****Explanation**

There is a syntax error in the policy set. The specified token was not expected. A common cause is a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0009E Unexpected SQL punctuation token - *sql\_token*.****Explanation**

There is a syntax error in the policy set. The specified token was not expected. A common cause is a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0010E The SQL statement is incomplete; additional tokens are required.**

**Explanation**

There is a syntax error in the policy set. The final rule in the policy set is incomplete. A common cause is a binary operator without a second operand or with a missing close parenthesis.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0011E SQL token *sql\_token* is not valid.**

**Explanation**

The specified token has illegal characters in it.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0012E SQL numeric literal token *sql\_token* is not valid.**

**Explanation**

The specified number has illegal characters in it.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0013E Character string literal token *sql\_token* is not valid.**

**Explanation**

The specified string has illegal characters in it.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0014E SQL identifier token *sql\_token* is not valid.**

**Explanation**

The specified identifier has illegal characters in it.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0015E SQL identifier token *sql\_token* is too long.****Explanation**

The specified identifier is too long. Quotes might be missing around a filename.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0016E The SQL token beginning with *sql\_token* is missing an ending delimiter.****Explanation**

A delimiter, such as string quotes, is missing.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0017E The SQL data types *sql\_data\_type* and *sql\_data\_type* are incompatible with each other when used with the operator *sql\_operator*.****Explanation**

An attempt has been made to use two different data types with an operator. For example, comparing a number to a string with the equality operator.

**Action**

The expression might require a data conversion function such as,

```
CHAR( CURRENT_TIME ) == NAME
```

Correct the policy set and resubmit it.

---

**HSTPC0018E The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting an integer expression.****Explanation**

A non-integer expression was used where an integer expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0019E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a Boolean expression.

**Explanation**

A non-boolean expression was used where a boolean expression was expected. For example, the expression following WHERE must be boolean.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0020E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a numeric expression.

**Explanation**

A non-numeric expression was used where a numeric expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0021E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a numeric or interval expression.

**Explanation**

A non-interval expression was used where an interval expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0022E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a character string expression.

**Explanation**

A non-string expression was used where a string expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0023E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a date, timestamp, character string date, character string timestamp, or interval expression.

**Explanation**

A non-date/time expression was used where a date/time expression was expected.



**Action**

Correct the policy set and resubmit it.

---

**HSTPC0024E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a time, timestamp, character string time, character string timestamp, or interval expression.

**Explanation**

A non-time expression was used where a time expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0025E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a date or character string date expression.

**Explanation**

A non-date expression was used where a date expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0026E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a time or character string time expression.

**Explanation**

A non-time expression was used where a time expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0027E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting a date, timestamp, character string date, or character string timestamp expression.

**Explanation**

A non-date/time expression was used where a date/time expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0028E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting an interval containing a single date-time field.

**Explanation**

A non-interval expression was used where an interval expression was expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0029E** A number cannot be converted to SQL data type INTERVAL if the interval contains multiple date-time fields.

**Explanation**

A value cannot be converted to an interval if the value contains multiple date/time fields.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0030E** The expression *sql\_expression* is not an integer constant.

**Explanation**

The policy set syntax requires an integer constant instead of an expression at the indicated location.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0031E** A subquery used in an SQL expression must specify a single result column.

**Explanation**

A subquery used in an SQL expression must specify a single result.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0032E A subquery expression might not contain a reference to a column name that is contained in an outer query expression.**

**Explanation**

A subquery expression might not contain a reference to a column name that is contained in an outer query expression.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0033E The maximum nesting depth for subquery expressions has been exceeded.**

**Explanation**

The maximum nesting depth for subquery expressions has been exceeded.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0034E The WHERE clause must not contain an aggregate function.**

**Explanation**

The WHERE clause must not contain an aggregate function.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0035E The result data type of a CASE expression cannot be determined. At least one non-NULL THEN or ELSE expression must be specified.**

**Explanation**

The result data type of a CASE expression cannot be determined. At least one non-NULL THEN or ELSE expression must be specified.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0036E The date-time field *sql\_date\_time* is not present in the expression *sql\_expression* (data type *sql\_data\_type*).**

**Explanation**

A date/time field was expected to be in the expression.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0037E The SQL aggregate function *sql\_aggregate\_function* cannot be nested within another aggregate function.**

**Explanation**

Aggregate functions might not be nested.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0038E An SQL subquery expression cannot be nested within an aggregate function.**

**Explanation**

An SQL subquery expression cannot be nested within an aggregate function.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0039E The column *sql\_column\_name* is not allowed in this context; it must either be named in the GROUP BY clause or be nested within an aggregate function.**

**Explanation**

The column specified is not allowed in this context. It must either be named in the GROUP BY clause or nested within an aggregate function.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0040E The reference *sql\_table\_name* is an unknown SQL table name.**

**Explanation**

The policy set referenced an unknown SQL table.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0041E The reference *sql\_column\_name* is an unknown SQL column name.**

**Explanation**

The policy set referenced an unknown column or identifier.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0042E The column reference *sql\_column\_name* matches more than one SQL column name.**

**Explanation**

The column reference specified matches more than one SQL column name.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0043E The column reference *sql\_column\_name* is not allowed in this context because it is part of an outer SQL query expression.**

**Explanation**

The column reference specified is not allowed in this context because it is part of an outer SQL query expression.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0044E The column reference *sql\_column\_name* is a duplicate of another SQL column name in the same list.**

**Explanation**

The column reference specified is a duplicate of another SQL column name in the same list.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0045E The reference *sql\_function\_name* is an unknown SQL scalar function name.**

**Explanation**

There is no function matching the name specified.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0046E Too few arguments are specified for SQL scalar function *sql\_function\_name*.**

**Explanation**

The function specified requires more arguments than are present.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0047E Too many arguments are specified for SQL scalar function *sql\_function\_name*.**

**Explanation**

The function specified requires fewer arguments than are present.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0048E Division by zero was detected for operator *sql\_operator\_name*.**

**Explanation**

The expression has resulted in a division by zero. This error might occur at run time, for example in the following WHERE clause:

```
WHERE ( 1000 / USER_ID ) > 10
```

This expression would fail if a file was created by root.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0049E The value *sql\_value* cannot be assigned or converted to SQL data type *sql\_data\_type*.**

**Explanation**

Data type conversion is not supported between the specified value and data type.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0050E Arithmetic overflow occurred for SQL operator *sql\_operator\_name*.**

**Explanation**

An expression in the policy set resulted in numeric overflow.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0051E Arithmetic or date-time overflow occurred for SQL operator *sql\_operator\_name* for values *sql\_value* (data type *sql\_data\_type*) and *sql\_value* (data type *sql\_data\_type*).**

**Explanation**

An expression in the policy set resulted in numeric overflow.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0052E The value *sql\_value* (data type *sql\_data\_type*) is not a valid argument for operator *sql\_operator\_name*.**

**Explanation**

A value was provided for an operator that is not valid.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0053E The value *sql\_value* (data type *sql\_data\_type*) is not a valid character string representation of an SQL date or a timestamp for operator *sql\_operator\_name*.**

**Explanation**

The specified value could not be converted to a date or timestamp.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0054E** The value *sql\_value* (data type *sql\_data\_type*) is not a valid character string representation of an SQL time or a timestamp for operator *sql\_operator\_name*.

**Explanation**

The specified value could not be converted to a time or timestamp.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0055E** An SQL subquery used in a scalar expression must yield a table that contains at most one row.

**Explanation**

An SQL subquery used in a scalar expression must yield a table that contains one row.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0056E** The SQL character string expression *sql\_expression* must return a single character.

**Explanation**

A single character is expected.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0057E** An error occurred accessing SQL base table *sql\_table\_name*.

**Explanation**

An error occurred accessing an SQL base table.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0058E** An error occurred creating an SQL temporary table.

**Explanation**

An error occurred creating an SQL temporary table.



**Action**

Correct the policy set and resubmit it.

---

**HSTPC0059E An error occurred inserting a row in an SQL temporary table.**

**Explanation**

An error occurred inserting a row in an SQL temporary table.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0060E SQL temporary table storage has been exhausted.**

**Explanation**

SQL temporary table storage has been exhausted.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0061E SQL temporary table row is too large.**

**Explanation**

SQL temporary table row is too large.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0062E Unexpected SQL enumerated type name token - *sql\_token*.**

**Explanation**

Unexpected SQL enumerated type name token.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0063E SQL enumerated type name *sql\_data\_type* is not valid.**

**Explanation**

The specified enumerated type name is not valid.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0064E Unable to resolve SQL enumerated type for value *sql\_value*.**

**Explanation**

Unable to resolve SQL enumerated type for the value specified.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0065E This SQL query might produce a very large result table, or might require a significant amount of time to compute.**

**Explanation**

This SQL query might produce a very large result table or might require a significant amount of time to compute.

**Action**

If these issues cause a problem, correct the policy set and resubmit it.

---

**HSTPC0066E The reference *sql\_column\_name* is not a column of the SQL result table.**

**Explanation**

The reference is not a column of the SQL result table.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0067E Unexpected SQL result code - *sql\_result\_code***

**Explanation**

An unexpected error occurred while evaluating a policy set.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0068E Context of SQL error: *sql\_context\_pointer***

**Explanation**

This message provides the context for a previous SQL error in a policy set.

**Action**

Examine the log for the preceding SQL error.

---

**HSTPC0069E Context of SQL error on line *sql\_context\_line* of *sql\_context\_number*: *sql\_context\_pointer***

**Explanation**

This message provides the context for a previous SQL error in a policy set.

**Action**

Examine the log for the preceding SQL error.

---

**HSTPC0070E Query requires temporary tables, which are not supported.**

**Explanation**

The server does not support SQL temporary tables.

**Action**

Correct the policy set and resubmit it.

---

**HSTPC0071E Policy set syntax version *sql\_syntax\_version* is not supported.**

**Explanation**

The policy set specified an invalid version.

**Action**

Policy sets must start with a VERSION statement. Currently only VERSION 1 is supported.

---

**HSTPC0072E Object name *sql\_object\_name* is not valid.**

**Explanation**

A fileset name, storage pool name, or rule name specified in the policy set is invalid.

**Action**

Consult the Naming Guidelines in the "Administrative Command Topics Guide" for appropriate names.

---

**HSTPC0073E Error in rule - *sql\_rule\_name*.**

**Explanation**

This message provides the name of a rule where a previous SQL error in a policy set evaluation occurred.

**Action**

Examine the log for the preceding SQL error.

---

**HSTPG0001E Disk volume *disk\_volume\_name* not found.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0002E Access to disk volume *disk\_volume\_name* was denied.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0003E Disk volume *disk\_volume\_name* already contains a product label and the **-overwrite** option was not specified.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0004E Disk volume name *disk\_volume\_name* is not a valid global disk name.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0005E Access to disk volume *disk\_volume\_name* failed.****Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0006I Disk volume *disk\_volume\_name* was assigned global ID *global\_id*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0007I Using IP *ip\_address* port *port\_number* for administration sessions.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0008I Using IP *ip\_address* port *port\_number* for client STP transactions.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0009I Using IP *ip\_address* port *port\_number* for Group Services messages.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0010I Using IP *ip\_address* port *port\_number* for High Availability Manager heartbeat messages.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0011I Build Version *build\_version\_string*, built by *builder\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0012I Alert: The server log, type *log\_type*, name *log\_file\_name*, has been rotated. If you wish to retain its data, save its backup file before the next rotation.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0013W OBSOLETE CALLHOME: A fatal signal *signal\_number* has been received by the server. The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0014I OBSOLETE Starting the log indexing subsystem.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0015I OBSOLETE The log indexing subsystem has been started.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0016E The log indexing operation failed because of error *error\_number*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0017I SAN File System Version *pgm\_server\_version*  
(*pgm\_platform\_name*)****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0018I Built at *pgm\_server\_build\_time* on *pgm\_server\_build\_date*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0019I Installation complete.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0020E Installation failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0021I Starting as the cluster master.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0022I Now running as the cluster master.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0023I Logical Volume Manager master failed to start.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTPG0024I Cluster Manager master failed to start.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0025I Failed to start as the cluster master.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0026I Stopping as the cluster master.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0027I No longer running as the cluster master.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0035E Unknown trace class - @1****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0036E Incorrect number of arguments.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0037E The size argument is not valid.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0038E Error generating the file.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0039I Symbols Library: *pgm\_sym\_lib\_name pgm\_sym\_lib\_name*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0040I Command "*pgm\_command\_name*" was entered.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0041I \*\*\*\*\*SERVER  
STARTED\*\*\*\*\***

**Explanation**

This is an informational message to indicate that the server started.

**Action**

No action is required.

---

**HSTPG0042I \*\*\*\*\*SERVER  
EXITED\*\*\*\*\***

**Explanation**

This is an informational message to indicate that the server exited.

**Action**

No action is required.

---

**HSTPG0043I \*\*\*\*\*SERVER  
STARTED\*\*\*\*\***

**Explanation**

This is an informational message to indicate that the server started.

**Action**

No action is required.

---

**HSTPG0045I Reserving *pgm\_log\_space*MB for log files.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0046I OBSOLETE Log space reserved successfully.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0047S OBSOLETE** The logging system's reserved disk space for *pgm\_log\_space* was found to be much smaller than expected and has been recreated.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0048E Unknown error key - *pgm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0049S Error: Server has encountered a fatal error and will now abort.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0050E OBSOLETE Read local Tank.Bootstrap failed, the node is not started.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0051E Failed to configure devices for cluster *pgm\_cluster\_id*.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0052I Install-New-Cluster Installation Parameters: Cluster ID = *pgm\_cluster\_id*, Cluster Name = *pgm\_cluster\_name*, System Disk Count = *pgm\_disk\_count***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0053I System disk name = *pgm\_disk\_name***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0054I Overwrite? = *pgm\_response*, LP Size (MB) = *pgm\_partition\_size*, Version = *pgm\_server\_version***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0055E Failed to commission system master disk *pgm\_disk\_name*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0056E Commissioning system disk (non-master) *pgm\_disk\_name*  
FAILED****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0057E Failed to write master disk label to local disk.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0058E Installation of group services failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0059E Installation of quorum disk lock failed.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0060E Commission disk passed a NULL disk label pointer.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0061I OBSOLETE Global disk ID = 0xpgm\_disk\_id, Disk Type = pgm\_disk\_type, Owning cluster ID = pgm\_cluster\_id**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0062E Unable to install cluster when server is running.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0063E Unable to start server when server is already running.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0064E OBSOLETE Unable to reset cluster when server is running.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0065E OBSOLETE Unable to reset version information when server is running.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPG0066E OBSOLETE Unable to extract boot record when server is running.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPG0067E Unable to create PID file.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPG0068E No master disk found for cluster ID = *pgm\_cluster\_id*, install ID = *pgm\_install\_id***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPG0069E The Tank.Bootstrap file does not match this cluster installation.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTPG0070W Warning. The flag `-watchdog` is being ignored. It can only be used on a debug build.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0071W Warning. Could not set core file size limit. Value remains `pgm_file_size_limit`.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0072I Debug crash: About to `adm_command_name` server.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0073E Debug crash: Error. Failed to `adm_command_name` server.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTPG0074E Cluster name length `gs_cluster_name_length` is not valid.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPG0075E Cluster name *pgm\_cluster\_name* is not valid.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTPM0001I No memory could be allocated.**

### Explanation

The metadata server has encountered an unexpected out-of-memory error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

## **HSTPM0002E Attempting to run *pm\_command\_name* conflicted with *pm\_command\_name*.**

### Explanation

A command was issued that conflicts with a command that is already running.

### Action

This condition is temporary. Try the command again after waiting for a short period of time. For more information, run the `lsproc` command to display all the running administrative processes.

---

## **HSTSC0001E SCMSG: Attempt to unlink file in nonexistent arena storage pool *sc\_pool\_name* (*sc\_pool\_id*).**

### Explanation

An attempt was made to unlink a file in a nonexistent arena. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0002E Attempt to set space in nonexistent arena.****Explanation**

An attempt to set space was made in a nonexistent arena. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0003E Unexpected index error *sc\_result\_code* while setting up ODT check information.****Explanation**

The metadata checker creates temporary tables to assist in checking the object descriptor table. An unexpected index error occurred while creating these tables.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0004E Error committing metadata check transaction.****Explanation**

The metadata checker creates temporary tables to assist in checking the object descriptor table. An error occurred while the metadata checker committed the creation of these tables.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0005E Unexpected index error *sc\_result\_code* clearing ODT check information.****Explanation**

The metadata checker creates temporary tables to assist in checking the object descriptor table. An unexpected index error occurred while the metadata checker removed these tables.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0006E Error committing metadata check transaction.****Explanation**

The metadata checker creates temporary tables to assist in checking the object descriptor table. An error occurred while the metadata checker committed the removal of these tables.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0007E Out of memory****Explanation**

The metadata checker ran out of memory while opening a scan of the object descriptor table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0008E Descriptor length OID *sc\_object\_id* is not valid.****Explanation**

The length of a record in the object descriptor table was not valid.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0031E removeEntry: fetch search key index failed. RC = *sc\_result\_code*****Explanation**

An error occurred while accessing a directory table entry for removal.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0032E removeEntry: Data length for search key index is not valid.****Explanation**

The length of the directory table entry was invalid.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0061E FlashCopy image table overflow detected.**

### **Explanation**

The FlashCopy table has more than the maximum number of entries.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0062E Key in FlashCopy image table is not valid.**

### **Explanation**

An entry in the FlashCopy table has an invalid key.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0063E Record found in FlashCopy image table for epoch *sc\_epoch\_id* is not valid.**

### **Explanation**

An entry in the FlashCopy table has invalid data.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0064E Unexpected index error *sc\_result\_code* loading FlashCopy image table for fileset *sc\_fileset\_name* (*sc\_fileset\_id*)**

### **Explanation**

An unexpected index error occurred while loading the FlashCopy table for the specified fileset.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0069E Record found in FlashCopy image table for epoch *sc\_flashcopy\_table\_epoch\_id* is not valid.**

**Explanation**

An entry in the FlashCopy table has invalid data.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0078E Corrupt segment table entry found for file [*sc\_cluster\_id.sc\_fileset\_id.sc\_object\_id*], *sc\_log\_type* segment *sc\_segment\_number.sc\_epoch\_id: sc\_message***

**Explanation**

The metadata checker has detected corruption in the segment table record for the file.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0108E Nested segment scan for *sc\_ste\_pointer***

**Explanation**

A segment scan was opened while a previous scan was already in progress.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0109E *getArenaOffset( sc\_relative\_block\_number, Write\_Mapping) sc\_ste\_pointer: Block state sc\_block\_state* is not valid.**

**Explanation**

The write mapping for a block in the file has an invalid state.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0110E** `getArenaOffset( sc_relative_block_number, Read_Mapping)`  
*sc\_ste\_pointer*: **Block state *sc\_block\_state* is not valid.**

**Explanation**

The read mapping for a block in the file has an invalid state.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0111E** `getLiveBlockState: sc_block_state, RBN: sc_relative_block_number` : **Block state *sc\_block\_state* is not valid.**

**Explanation**

The block state for the file is not a legal value.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0112I** `setLiveBlockState: Ignoring request to set live state for unallocated block: sc_block_id, RBN: sc_relative_block_number`

**Explanation**

The filesystem client instructed the metadata server to mark an unallocated block as initialized. Because no storage has been allocated to the block, this client request is an error and has been ignored.

**Action**

None

---

**HSTSC0113I** `setLiveBlockState: Ignoring request to set live state for read-only block: sc_block_id, rbn: sc_relative_block_number`

**Explanation**

The filesystem client instructed the metadata server to mark a read-only block as initialized. Because updates to the block are forbidden, this client request is an error and has been ignored.

**Action**

None

---

**HSTSC0114E setLiveBlockState: Corrupt block state detected for: *sc\_block\_id*, RBN: *sc\_relative\_block\_number*: Block state *sc\_block\_state* is not valid.**

**Explanation**

The block state for the file is not a legal value.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0115E clearLiveBlockState: Corrupt block state detected for: *sc\_block\_id*, RBN: *sc\_relative\_block\_number*: Block state *sc\_block\_state* is not valid.**

**Explanation**

The block state for the file is not a legal value.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0118E Key length for ATE is not valid.**

**Explanation**

An invalid key length for an arena table entry was found. This error might indicate a corrupted file system.

**Action**

If the problem persists, run the metadata checker in repair mode to correct the problem.

---

**HSTSC0119E Data length for ATE is not valid.**

**Explanation**

An invalid data length for an arena table entry was found. This error might indicate a corrupted file system.

**Action**

If the problem persists, run the metadata checker in repair mode to correct the problem.



---

**HSTSC0120E Error opening arena for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

An attempt to open the arenas failed.

**Action**

Check the logs to determine the cause of the failure.

If the problem persists, run the metadata checker in repair mode to correct the problem. Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTSC0121E Block size mismatch in ATE.**

**Explanation**

A block size mismatch in an arena table entry was found. This error might indicate a corrupted file system.

**Action**

If the problem persists, run the metadata checker in repair mode to correct the problem.

---

**HSTSC0122E Unexpected index error *sc\_result\_code*, *sc\_table\_name*, root page: *sc\_fileset\_id*: *sc\_root\_page*.**

**Explanation**

This message is a generic error trying to fetch from a btree.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0123E Unexpected index error RC=*sc\_result\_code*, Block ID=*sc\_block\_id*, fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), root page: *sc\_root\_page*, key: *sc\_key*.**

**Explanation**

This message is a generic error trying to fetch from a btree.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0124E Warning. Error reopening arena for fileset**  
*sc\_fileset\_name (sc\_fileset\_id), storage pool sc\_pool\_name*  
*(sc\_pool\_id)*

**Explanation**

An attempt to reopen arenas after cluster reconfiguration failed.

**Action**

View the logs to determine the cause of the failure.

If the problem persists, run the metadata checker in repair mode to correct the problem. Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTSC0125E Illegal allocation block count: *sc\_block\_count* (minimum block count *sc\_block\_count*)**

**Explanation**

An attempt was made to allocate an invalid number of blocks. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0126E Attempt to allocate space in nonexistent arena.**

**Explanation**

An attempt was made to allocate space in a nonexistent arena. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0127E Illegal allocation block count: *sc\_block\_count***

**Explanation**

An attempt was made to reallocate an invalid number of blocks. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0128E Attempt to reallocate space in nonexistent arena.****Explanation**

An attempt was made to reallocate space in a nonexistent arena. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0129E Attempt to reallocate space in nonexistent arena, stgpool *sc\_pool\_name* (*sc\_pool\_id*)****Explanation**

An attempt was made to reallocate space in an arena with no free space map. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0130E Unexpected fsmap error *sc\_result\_code*****Explanation**

An unexpected free space map error occurred. This message indicates an internal error.

**Action**

Check the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0131E Illegal deallocation block count: *sc\_block\_count*****Explanation**

An attempt was made to deallocate an invalid number of blocks. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0132E Attempt to deallocate space in nonexistent arena.****Explanation**

An attempt was made to deallocate from a nonexistent arena. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0133E Attempt to deallocate space in nonexistent arena, stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

### Explanation

An attempt was made to deallocate from an arena without a free space map. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0134E Deallocated range is beyond free space map capacity.**

### Explanation

An attempt was made to deallocate beyond an arena's capacity. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0135E The number of blocks per partition (*sc\_block\_count*) detected for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*) is not valid.**

### Explanation

An block size of zero was detected while translating a logical block number to a physical block number. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0136E Unexpected error *sc\_result\_code* creating arena for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*) at master.**

### Explanation

An attempt to create an arena resulted in an unexpected error. This message indicates an internal error.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0137E Free space map capacity is larger than arena actual capacity.**

### Explanation

The free space map capacity is larger than the arena actual capacity. This message indicates an internal error.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0138E Error extending arena for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*)**

### Explanation

An error occurred when trying to extend the arena capacity.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0139E Arena extension did not result in the addition of new capacity for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*)**

### Explanation

An arena extension attempt did not result in the addition of new capacity. This message indicates an internal error.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0140E Unexpected error *sc\_result\_code* extending free space map for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

### Explanation

An attempt to extend a free space map resulted in an unexpected error. This message indicates an internal error.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0141E Invalid arena block size (*sc\_arena\_block\_size*) reported for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

### Explanation

An invalid block size for an arena was detected. This message indicates an internal error.

### Action

View the logs to determine the cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0143E Directory entry name length: *sc\_directory\_name\_length* is not valid.**

### Explanation

An attempt was made to insert a directory entry that was larger than the maximum accepted length. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0144E Attempt to insert entry into unlinked directory: Dir: *sc\_fileset\_id*. *sc\_object\_id*, Entry: *sc\_entry\_name***

### Explanation

An attempt was made to insert an entry into a directory that has been deleted. This is an internal error or the directory object has become corrupt.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0145E Called with non-empty directory count = *sc\_directory\_count***

### Explanation

An attempt was made to remove a non-empty directory object. This is an internal error or the directory object has become corrupt.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0146E Incorrect link count = *sc\_link\_count***

### **Explanation**

An attempt was made to remove a non-empty directory object. This is an internal error or the directory object has become corrupt.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0147E An attempt was made to remove '.' or '..' directory entry.**

### **Explanation**

An attempt was made to remove the directory entries for '.' or '..'. This message indicates an internal error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0148E Missing search key index.**

### **Explanation**

An attempt was made to remove a directory entry and the directory has no directory table. This is an internal error or the directory object has become corrupt.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0149E Unexpected index error *sc\_result\_code* removing directory index at *sc\_root\_page* for directory *sc\_object\_id***

### **Explanation**

An unexpected index error occurred while deleting a directory index.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0150E An attempt was made to allocate zero blocks.****Explanation**

An allocation request was made for zero blocks. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0151E An error occurred *sc\_result\_code* assigning SVC class or storage pool.****Explanation**

An error occurred while assigning a pool to a newly created file.

**Action**

Check the metadata server log for related errors.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0156W Segment table present after whole file reclamation for object id (*object\_id*), root page (*sc\_fileset\_id*). (*root\_page*).****Explanation**

After reclaiming all space used by a deleted file, the metadata for the file indicated that the file still had data blocks that had not been reclaimed. This is an internal error or the file object has become corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0157W *f\_STECount* is non-zero after whole file reclamation for object id (*object\_id*), root page (*sc\_fileset\_id*). (*root\_page*).****Explanation**

After reclaiming all space used by a deleted file, the metadata for the file indicated that the file still had data blocks that had not been reclaimed. This is an internal error or the file object has become corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTSC0159E ste\_allocCount is nonzero after segment deallocation.****Explanation**

After reclaiming all space used by a deleted file, the metadata for the file indicated that the file still had data blocks that had not been reclaimed. This is an internal error or the file object has become corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0160E f\_STECount is nonzero after whole file deallocation for file *sc\_object\_id*****Explanation**

After reclaiming all space used by a deleted file, the metadata for the file indicated that the file still had data blocks that had not been reclaimed. This is an internal error or the file object has become corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0161E Underflow detected on b\_blockCount.****Explanation**

A request was made to deallocate an extent from a file. The requested size to be freed exceeded the actual size of the file. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0162E Underflow detected on allocCount.****Explanation**

A request was made to deallocate an extent from a file. The requested size to be freed exceeded the segment size. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0163E A block size that is not valid has been detected.****Explanation**

The block size for the file was not valid. The file object is corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0164E A live block count that is not valid has been detected:  
File: *sc\_fileset\_id.sc\_object\_id*, Alloc Count: *sc\_block\_count*, Live  
Count: *sc\_block\_count*****Explanation**

The metadata server has detected that the number of initialized blocks for the file exceeds the total number of allocated blocks for the file. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0165E Unable to access the fileset anchor record.****Explanation**

The metadata server encountered an error accessing the anchor record for a fileset. As a result, the fileset cannot be accessed.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0167E Error updating anchor record. RC = *sc\_result\_code*****Explanation**

An error occurred while updating the anchor record for a fileset.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0168E Error committing assign OID transaction.****Explanation**

The metadata server was unable to commit a change to reserve a range of object IDs.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0169E Error in committing lock epoch.**

### **Explanation**

The metadata server was unable to commit a change to update the lock epoch for a fileset.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0170E Update: Unexpected index error *sc\_result\_code***

### **Explanation**

An error occurred while the metadata server updated one of the following properties of a fileset:

- quota value
- quota is hard or soft
- quota alert value
- fileset name

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTSC0172E Anchor index root is not allocated at first allocatable DB page for fileset *sc\_fileset\_name* (*sc\_fileset\_id*)**

### **Explanation**

The anchor record for a fileset is stored at a fixed location on disk. While creating a new fileset, the metadata server detected that the anchor record was stored at another location on disk. This message indicates an internal error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0173E Unable to load fileset anchor record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). Record length: *sc\_record\_length* is not valid.**

**Explanation**

The fileset anchor record stored on disk was not the correct size. The anchor record might be corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0174E Unable to load fileset anchor record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). Checksum: *0xsc\_checksum\_value* is not valid.**

**Explanation**

The checksum for the fileset anchor record is incorrect. The anchor record might be corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0175E Unable to load fileset anchor record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). ODT root count: *sc\_root\_count* is not valid.**

**Explanation**

The object descriptor table root count that is stored in the fileset anchor record is incorrect. The anchor record might be corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0176E Unable to load fileset anchor record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). ODT compare function: *sc\_compare\_function* is not valid.**

**Explanation**

The object descriptor table comparison function stored in the fileset anchor record is incorrect. The anchor record might be corrupt.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0177E Unexpected index error *sc\_result\_code* inserting ODT record for fileset *sc\_fileset\_name (sc\_fileset\_id)*, *OID=sc\_object\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0178E Unexpected index error *sc\_result\_code* deleting ODT record for fileset *sc\_fileset\_name (sc\_fileset\_id)*, *OID=sc\_object\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0179E Unexpected index error *sc\_result\_code* replacing ODT record for fileset *sc\_fileset\_name (sc\_fileset\_id)*, *OID=sc\_object\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0180E Unexpected index error *sc\_result\_code* fetching ODT record for fileset *sc\_fileset\_name (sc\_fileset\_id)*, *OID=sc\_object\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0181E Out of memory**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0182E Unexpected index error *sc\_result\_code* fetching ODT record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*)**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0183E Descriptor length for OID *sc\_object\_id* is not valid.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0185E Unexpected index error *sc\_result\_code* inserting FlashCopy image table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), EpochId *sc\_epoch\_id***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0186E Unexpected index error *sc\_result\_code* deleting FlashCopy image table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), EpochId *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0187E Unexpected index error *sc\_result\_code* replacing FlashCopy image table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), EpochId *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0188E Unexpected index error *sc\_result\_code* fetching FlashCopy image table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), EpochId *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0189E FlashCopy image table error: *pte\_epochId* mismatch - e: *sc\_epoch\_id*, entry: *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0190E FlashCopy image table Error: pte\_timestamp mismatch - e: *sc\_timestamp*, entry: *sc\_timestamp*, record: *sc\_timestamp***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0191E FlashCopy image table error: pte\_flags mismatch - e: *sc\_pte\_flags*, entry: *sc\_pte\_flags*, record: *sc\_pte\_flags***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0192E FlashCopy image table error: pte\_name length mismatch - e: *sc\_pte\_name\_length*, entry: *sc\_pte\_name\_length*, record: *sc\_pte\_name\_length***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0193E FlashCopy image table error: pte\_name mismatch - e: *sc\_pte\_name*, entry: *sc\_pte\_name*, record: *sc\_pte\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSC0194E FlashCopy image table error: pte\_dirName length mismatch - e: *sc\_directory\_name\_length*, entry: *sc\_directory\_name\_length*, record: *sc\_directory\_name\_length***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0195E FlashCopy image table error: pte\_dirName mismatch - e: *sc\_directory\_name*, entry: *sc\_directory\_name*, record: *sc\_directory\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0196E FlashCopy image table error: pte\_description length mismatch - e: *sc\_pte\_description\_length*, entry: *sc\_pte\_description\_length*, record: *sc\_pte\_description\_length***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0197E FlashCopy image table error: pte\_description mismatch - e: *sc\_description*, entry: *sc\_description*, record: *sc\_description***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0198E ReclaimTable: Unexpected index error *sc\_result\_code* inserting record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), Index=*sc\_root\_address*, stgpool=*sc\_pool\_name* (*sc\_pool\_id*), OID=*sc\_object\_id*, revertCount=*sc\_revert\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0199E ReclaimTable: Unexpected index error *sc\_result\_code* deleting record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), Index=*sc\_root\_address*, stgpool=*sc\_pool\_name* (*sc\_pool\_id*), OID=*sc\_object\_id*, revertCount=*sc\_revert\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0200E ReclaimTable: Unexpected index error *sc\_result\_code* fetching record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), Index=*sc\_root\_address*, stgpool=*sc\_pool\_name* (*sc\_pool\_id*), OID=*sc\_object\_id*, revertCount=*sc\_revert\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0201E Object type: *sc\_object\_type* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0202E An attempt was made to link to object with link count zero.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0203E An attempt was made to delete OID *sc\_object\_id* with nonzero link count.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0204E Object type is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0205E Attempt to reclaim OID *sc\_object\_id*; it is not a file.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0206E Child object OID *sc\_object\_id* already has link count zero.**

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0207E Source child object OID *sc\_object\_id* already has link count zero.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0208E Target child object OID *sc\_object\_id* already has link count zero.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0209E An attempt was made to set file size.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0210E An attempt was made to set a NULL timestamp for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), OID=*sc\_object\_id***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0211E** *OID sc\_object\_id* already has linked count zero.**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0212E** Expected spatial wormhole, but directory entry is of type *sc\_entry\_type***Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0213E** Directory link count is not 1 after unlinking name.**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0214E** *store\_inline\_ste: sc\_segment\_table\_entry* has copy on write Segment Table Entry.**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0215E** *store\_inline\_ste: Block found with unknown state:sc\_block\_state, RBN: sc\_relative\_block\_number, state:sc\_block\_state***Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0216E verifyRecord: Error loading STE for file *sc\_object\_id*, STE *sc\_ste\_key*: Key length is not valid (*sc\_ste\_key\_length* Expected *sc\_ste\_key\_length*)**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0217E verifyRecord: Error loading STE for file *sc\_object\_id*: Found Key: *sc\_ste\_key* < Start Key: *sc\_ste\_key***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0218E verifyRecord: Error loading STE for file *sc\_object\_id*: Found Key: *sc\_ste\_key* > Stop Key: *sc\_ste\_key***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0219E verifyRecord: Error loading STE for file *sc\_object\_id*: Found Key: *sc\_ste\_key* has NULL epoch ID**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0220E verifyRecord: Error loading STE for file *sc\_object\_id*, STE *sc\_ste\_key*: Record length is not valid ( *sc\_data\_length* expected *sc\_data\_length* )**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0221E verifyRecord: Error loading STE for file *sc\_object\_id*, STE *sc\_ste\_key*: Extent count is not valid ( *sc\_extent\_count* is out of range)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0222E OBSOLETE verifyRecord: Error loading STE for file *sc\_object\_id*, STE *sc\_ste\_key*: Object ID *sc\_object\_pointer* does not match expected value *sc\_object\_pointer***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0223E verifyRecord: Error loading STE for file *sc\_object\_id*, STE *sc\_ste\_key*: Magic value is not valid: *0xsc\_ste\_magic\_number***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0224E verifyRecord: Corrupt STE found for file *sc\_object\_id*:  
Key *sc\_ste\_key* is not equal to birthEpochId *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0225E verifyRecord: Corrupt STE found for file *sc\_object\_id*:  
Key *sc\_ste\_key* type is not equal to Primary\_Ste**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0226E verifyRecord: Corrupt STE found for file *sc\_object\_id*,  
STE *sc\_ste\_key*, birthEpochId *sc\_epoch\_id* > deathEpochId *sc\_epoch\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0227E verifyRecord: Corrupt STE found for file *sc\_object\_id* :  
Key *sc\_ste\_key* type is not equal to Cow\_Ste**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSC0228E** `verifyRecord: Corrupt STE found for file sc_object_id : Key sc_ste_key incorrect checksum, stored 0xsc_checksum_value, calculated 0xsc_checksum_value`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0229E** `get_arena_offset: Extent for sc_relative_block_number is NULL.`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0230E** `find_extent_index returned inconsistent value: rbn: sc_relative_block_number, linear = sc_linear_extent, binary = sc_binary_extent`

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0231E** [*sc\_extent*]: *sc\_extent\_pointer*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0232E STE length of *sc\_data\_length* is not valid. Minimum length is *sc\_data\_length*. Maximum length is *sc\_data\_length***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0233E STE magic value *0xsc\_ste\_magic\_number* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0234E STE has invalid extent count *sc\_extent\_count*, maximum extent count is *sc\_extent\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0235E STE has extent count/length mismatch**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0236E** *scStsdDataTable: Unexpected index error sc\_result\_code sc\_operation\_string record for fileset=sc\_fileset\_name (sc\_fileset\_id), ObjectId=sc\_object\_id, BE=sc\_epoch\_id, segment=sc\_segment\_number*

**Explanation**

The STSD could not be inserted into the data table due to the given error, and was not created.

**Action**

The STSD cannot be used.

---

**HSTSC0237E** *scStsdDataTable: Unexpected index error sc\_result\_code deleting record for fileset=sc\_fileset\_name (sc\_fileset\_id), ObjectId=sc\_object\_id, BE=sc\_epoch\_id, segment=sc\_segment\_number*

**Explanation**

The STSD could not be deleted from the data table due to the given error.

**Action**

The STSD is still in the table.

---

**HSTSC0238E** *scStsdDataTable: Unexpected index error sc\_result\_code fetching record for fileset=sc\_fileset\_name (sc\_fileset\_id), ObjectId=sc\_object\_id, SE=sc\_epoch\_id, currentOffset=sc\_offset, segnum=sc\_segment\_number*

**Explanation**

The record could not be fetched from the data table due to the given error.

**Action**

The STSD cannot be read, modified or deleted.

---

**HSTSC0239E** *scStsdDataTable: Unexpected record length fetching record for fileset=sc\_fileset\_name (sc\_fileset\_id), ObjectId=sc\_object\_id*

**Explanation**

The record retrieved from the ODT has an incorrect length.

**Action**

The STSD cannot be read, modified or deleted.

---

**HSTSC0241E** *scStsdHashTable: Unexpected index error `sc_result_code` inserting record for fileset=`sc_fileset_name` (`sc_fileset_id`), ObjectId=`sc_object_id`*

**Explanation**

The STSD could not be inserted into the hash table due to the given error, and was not created.

**Action**

The STSD cannot be used.

---

**HSTSC0242E** *scStsdHashTable: Unexpected index error `sc_result_code` deleting record for fileset=`sc_fileset_name` (`sc_fileset_id`), hashValue=`sc_hash_value`, operation=`sc_operation_name`*

**Explanation**

The STSD could not be deleted from the hash table due to the given error.

**Action**

The STSD is still in the table.

---

**HSTSC0243E** *scStsdHashTable: Unexpected index error `sc_result_code` fetching record for fileset=`sc_fileset_name` (`sc_fileset_id`), hashValue=`sc_hash_value`*

**Explanation**

The record could not be fetched from the hash table due to the given error.

**Action**

The STSD cannot be read, modified or deleted.

---

**HSTSC0244E** *scStsdHashTable: Out of memory*

**Explanation**

There was insufficient memory to open a scan on the stsd hash table.

**Action**

The STSD cannot be read, modified or deleted.

---

**HSTSC0245E** *Stsd `sc_object_id` already has a zero reference count*

**Explanation**

An attempt was made to decrement the reference count of the given object, even though it was already 0.

### Action

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## HSTSC0246E Symbolic link value length: *sc\_symlink\_length* is not valid.

### Explanation

The length of the symbolic link is either 0 or beyond the maximum limit.

### Action

Try to recreate the link with a valid length.

---

## HSTSC0247E Symbolic link object attributes size (*sc\_attribute\_size*) exceeds maximum allowed in object descriptor (*sc\_attribute\_size\_max*).

### Explanation

The attribute size of the symbolic link is beyond the maximum limit.

### Action

Reattempt to create the link with a valid attribute size.

---

## HSTSC0248E *scSymLinkTable::insertRecord*: Unexpected index error *sc\_result\_code* inserting record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), *OID=sc\_object\_id*

### Explanation

The link could not be inserted into the link table due to the given error, and was not created.

### Action

The link cannot be used. Try reinserting the link.

---

## HSTSC0249E *scSymLinkTable::deleteRecord*: Unexpected index error *sc\_result\_code* deleting record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), *OID=sc\_object\_id*, *operation=sc\_operation\_name*

### Explanation

The link could not be deleted from the link table due to the given error.

### Action

The link still exists.

---

**HSTSC0250E** *scSymLinkTable::fetch\_record: Unexpected index error*  
*sc\_result\_code* fetching record for fileset=*sc\_fileset\_name*  
(*sc\_fileset\_id*), *OID=sc\_object\_id*

**Explanation**

The record could not be fetched from the link table due to the given error.

**Action**

The link cannot be read, modified, or deleted.

---

**HSTSC0251E** *scSymLinkTable::fetch\_record: Unexpected record length*  
fetching record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*),  
*OID=sc\_object\_id*

**Explanation**

The record found in the link table had an incorrect length.

**Action**

The link cannot be read, modified, or deleted.

---

**HSTSC0252E OBSOLETE** *scSymLinkTable::check: Could not test fit*  
*symbolic link data table due to data base error. RC = sc\_result\_code*

**Explanation**

While running the data corrupt command, the system could not determine the capacity of records in the symbolic link table.

**Action**

The data is not corrupted.

---

**HSTSC0253E** *Unexpected index error* *sc\_result\_code* inserting  
metadata check's arena record for fileset *sc\_fileset\_name*  
(*sc\_fileset\_id*), *stgpool sc\_pool\_name* (*sc\_pool\_id*)

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0254E Unexpected index error *sc\_result\_code* replacing metadata check's arena record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0255E Unexpected index error *sc\_result\_code* fetching link count record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0256E Unexpected index error *sc\_result\_code* extending check arena free space map for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* *sc\_pool\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0257E Unexpected index error *sc\_result\_code* setting check arena free space map for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0258E Unexpected index error *sc\_result\_code* fetching link count record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*),  
OID=*sc\_object\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0259E Unexpected index error *sc\_result\_code* replacing link count record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*),  
OID=*sc\_object\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0260E Unexpected index error *sc\_result\_code* inserting link count record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*),  
OID=*sc\_object\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0261E OBSOLETE destroy\_dir\_indices: Search key index for object *sc\_fileset\_id.sc\_object\_id.sc\_epoch\_id* root *sc\_search\_key\_index\_root* is not empty**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSC0262E destroy\_dir\_indices: Name index for object  
*sc\_fileset\_id.sc\_object\_id.sc\_epoch\_id* root *sc\_search\_key\_index\_root*  
is not empty**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0263E destroy\_dir\_indices: Search key index for object  
*sc\_fileset\_id.sc\_object\_id.sc\_epoch\_id* root *sc\_search\_key\_index\_root*  
error *sc\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0264E destroy\_dir\_indices: Name index for object  
*sc\_fileset\_id.sc\_object\_id.sc\_epoch\_id* root *sc\_search\_key\_index\_root*  
error *sc\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0265E scSymLinkTable::cleanTable: Unexpected index error  
*sc\_result\_code* deleting record for fileset=*sc\_fileset\_name*  
(*sc\_fileset\_id*), **OID**=*sc\_object\_id*, **operation**=*sc\_epoch\_id***

**Explanation**

The data table clean routine was prematurely stopped due to the given error.

**Action**

The table might still have dead records in it.

---

**HSTSC0266E scSymLinkTable: Out of memory****Explanation**

There was insufficient memory to open a scan on the symbolic link table.

**Action**

The link cannot be read, modified, or deleted.

---

**HSTSC0267E cleanFlashCopyObject: Object *sc\_object\_id.sc\_object\_id* add to unlinked table failed. RC = *sc\_result\_code*.****Explanation**

The object was not put on the unlink table.

**Action**

The object will not be deleted.

---

**HSTSC0268E ReclaimTable: Unexpected index error *sc\_result\_code* cleaning record for fileset=*sc\_fileset\_name (sc\_fileset\_id)*, Index=*sc\_root\_address*, stgpool=*sc\_pool\_name (sc\_pool\_id)*, OID=*sc\_object\_id*, revertCount=*sc\_revert\_count*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0269E ReclaimTable: Data size error *sc\_result\_code* fetching record for fileset=*sc\_fileset\_name (sc\_fileset\_id)*, Index=*sc\_root\_address*, stgpool=*sc\_pool\_name (sc\_pool\_id)*, OID=*sc\_object\_id*, revertCount=*sc\_revert\_count*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0270E ReclaimTable: Unexpected index error *sc\_result\_code* fetching the next record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), Index=*sc\_root\_address*, stgpool=*sc\_pool\_name* (*sc\_pool\_id*), OID=*sc\_object\_id*, revertCount=*sc\_revert\_count***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0271E scStsdDataTable: testRecordFit error *sc\_result\_code* for fileset *sc\_fileset\_name* (*sc\_fileset\_id*).**

**Explanation**

The attempt to find the capacity of btree record failed with the given error.

**Action**

The STSD cannot be read, modified, or deleted.

---

**HSTSC0272E scStsdDataTable: Out of memory**

**Explanation**

There was insufficient memory to open a scan on the STSD data table.

**Action**

The STSD cannot be read, modified, or deleted.

---

**HSTSC0273E scStsdDataTable: Unexpected index error *sc\_result\_code* deleting record for fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), ObjectId=*sc\_object\_id*, BE=*sc\_epoch\_id***

**Explanation**

The data table clean routine was prematurely stopped due to the given error.

**Action**

The table might still have dead records in it.

---

**HSTSC0274E** *scStsdHashTable: Unexpected index error sc\_result\_code cleaning record for fileset=sc\_fileset\_name (sc\_fileset\_id), ObjectId=sc\_object\_id, BE=sc\_epoch\_id*

**Explanation**

The data table clean routine was prematurely stopped due to the given error.

**Action**

The table might still have dead records in it.

---

**HSTSC0275E** *clean ste: reclaim failed: fileset sc\_fileset\_name (sc\_fileset\_id), objectId: sc\_object\_id, SegNo: sc\_segment\_number, BE: sc\_epoch\_id, DE: sc\_epoch\_id, rc: sc\_result\_code.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0276E** *clean ste: store failed: fileset sc\_fileset\_name (sc\_fileset\_id), objectId: sc\_object\_id, SegNo: sc\_segment\_number, BE: sc\_epoch\_id, DE: sc\_epoch\_id, rc: sc\_result\_code.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0277E** *clean ste: remove failed: fileset sc\_fileset\_name (sc\_fileset\_id), objectId: sc\_object\_id, SegNo: sc\_segment\_number, BE: sc\_epoch\_id, DE: sc\_epoch\_id, rc: sc\_result\_code.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0278I setLiveBlockState: Ignoring request to set live state for bad block: *sc\_block\_id*, RBN: *sc\_relative\_block\_number***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0279E setBadBlockState: Corrupt block state detected for: *sc\_block\_id*, RBN: *sc\_relative\_block\_number*: state *sc\_state\_value* is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0280W rmvolume: FlashCopy image *sc\_object\_id* (*sc\_fileset\_id*) has files on the removed volume. Attempts to access the missing blocks will result in application level I/O errors.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0281I STSD 0ID = *sc\_object\_id* deleted**

**Explanation**

The STSD was deleted because an attempt was made to decrement the reference count even though it was already 0.

**Action**

None.

---

**HSTSC0282S Salvage SC arena record failure: Commit transaction failed. RC = *sc\_result\_code*.**

**Explanation**

An attempt to salvage an arena record was unsuccessful.

**Action**

View the logs to determine the cause of the failure. Contact your service representative for additional assistance.

---

**HSTSC0283I Salvaging SC arena record: <fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)>**

**Explanation**

This message indicates that an arena record is being salvaged as a result of a metadata checker scan.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0285E Salvage SC arena record failure: FSMap LocateRoot for arena record <fileset *sc\_fileset\_name* (*sc\_fileset\_id*), stgpool *sc\_pool\_name* (*sc\_pool\_id*)> failed. RC = *sc\_result\_code*.**

**Explanation**

An attempt to salvage an arena record failed because the root of the free space map was not found.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair. Resolve the error code and run the metadata checker again.

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTSC0286S Salvage SC arena record failure: Insert/replace into table failed. RC = *sc\_result\_code***

**Explanation**

An attempt to salvage an arena record failed while inserting or replacing into the arena table.

### Action

View the logs on the specified server to view details of the metadata corruption and repair. Resolve the error code and run the metadata checker again.

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative

---

## **HSTSC0287I Salvaging full SC arena table for fileset** *sc\_fileset\_name (sc\_fileset\_id).*

### Explanation

This message indicates that an arena table is being salvaged as a result of a metadata checker scan.

### Action

View the logs on the specified server to view details of the metadata corruption and repair.

---

## **HSTSC0288S Salvage SC arena table failure: Commit transaction failed. RC =** *sc\_result\_code.*

### Explanation

An attempt to salvage an arena table failed.

### Action

View the logs on the specified server to view details of the metadata corruption and repair. Resolve the error code and run the metadata checker again.

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative.

---

## **HSTSC0289I Salvaging SC anchor record for fileset** *sc\_fileset\_name (sc\_fileset\_id).*

### Explanation

The fileset anchor record is being salvaged.

### Action

No action necessary.

---

**HSTSC0290S Salvage SC anchor record failure: CheckRoot failed for *sc\_result\_code* table. RC = *sc\_result\_code*.**

**Explanation**

The metadata checker encountered a problem while attempting to salvage the fileset anchor record.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0291S Salvage SC anchor record failure: LocateRoot failed for *sc\_result\_code* table. RC = *sc\_result\_code*.**

**Explanation**

The metadata checker could not salvage the fileset anchor record.

**Action**

Recreate the fileset and recover it from backup.

---

**HSTSC0292S Salvage SC anchor record failure: Insert/Replace of anchor record failed. RC = *sc\_result\_code***

**Explanation**

The metadata checker encountered a problem while attempting to salvage the fileset anchor record.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0293S Salvage SC anchor record failure: Commit transaction failed. RC = *sc\_result\_code*.**

**Explanation**

The metadata checker encountered a problem while attempting to salvage the fileset anchor record.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.



---

**HSTSC0294S Destroy SC *sc\_stsd\_data\_string* table record failure: Delete from table failed. RC = *sc\_result\_code***

**Explanation**

The metadata checker encountered a problem while attempting to salvage a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0295S Salvage SC *sc\_table\_name* table record failure: Commit transaction failed. RC = *sc\_result\_code*.**

**Explanation**

The metadata checker encountered a problem while attempting to salvage a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0297S Unexpected free space map error fileset=*sc\_fileset\_name* (*sc\_fileset\_id*), stgpool=*sc\_pool\_name* (*sc\_pool\_id*), blockNo=*sc\_block\_number***

**Explanation**

The metadata checker found a block that is allocated to two different objects.

**Action**

Run the metadata checker in salvage mode to mark the blocks. Recover the affected files from backup.

---

**HSTSC0300E Salvage SC *sc\_object\_id* Relative block number *relative\_block\_number* Arena offset *block\_number* set to *block\_state***

**Explanation**

A block was found to be assigned to more than one file.

**Action**

The block is marked bad and set to be salvaged.

---

**HSTSC0301E Salvage SC *sc\_object\_id* copy on write Bad block.**  
**Relative block number *relative\_block\_number* Arena offset**  
***block\_number***

**Explanation**

A copy on write block was found to be assigned to more than one file.

**Action**

The copy on write block is marked bad and set to be salvaged.

---

**HSTSC0302E Check SC *sc\_object\_id* Table failure: Fetch from table failed. RC = *sc\_result\_code***

**Explanation**

There was a problem checking a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0303E Salvage SC *sc\_object\_id* Table failure: Fetch from table failed. RC = *sc\_result\_code***

**Explanation**

The metadata checker encountered an error while salvaging a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0304E Salvage SC *sc\_object\_id* Table failure: Delete from table failed. RC = *sc\_result\_code***

**Explanation**

The metadata checker encountered an error while salvaging a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0305E Salvage SC *sc\_object\_id* Table failure: Insert into table failed. RC = *sc\_result\_code***

**Explanation**

The metadata checker encountered an error while salvaging a metadata table in the fileset.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0306E Salvage free space unexpected error *sc\_result\_code* upgrading page lock. fileset=*fs\_fileset\_id* page number=*fs\_page\_number***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0307I fileset metadata check stopped.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0308E Fileset storage pool arena data does not agree with anchor record**

**Explanation**

The in-memory arena data does not agree with the on-disk data.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0309E Could not find arena control block. Storage pool**  
*sc\_pool\_name (sc\_pool\_id)*

**Explanation**

The arena could not be found because the storage pool ID is bad. An attempt to salvage the arena table will be made.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0310E Fileset arena table key stgpool *sc\_pool\_id* verify**  
**failed. RC = *sc\_result\_code***

**Explanation**

The verification of the storage pool ID failed. An attempt to salvage the arena table will be made.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0311E Fileset arena table entry version *sc\_arena\_version***  
**should be *sc\_arena\_version***

**Explanation**

The arena version in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0312E Fileset arena table entry first reserved space is**  
**incorrect.**

**Explanation**

The first reserved field in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0313E Fileset arena table entry second reserved space is incorrect.****Explanation**

The second reserved field in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0314E Fileset arena table entry capacity is incorrect.****Explanation**

The free space map capacity in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0315E Fileset arena table entry occupancy *sc\_arena\_occupancy* should be less than or equal to *sc\_arena\_occupancy*.****Explanation**

The free space map occupancy in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0316E Fileset arena table entry third reserved space is incorrect****Explanation**

The third reserved field in the arena table entry is corrupt.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0317E Fileset arena table entry free space root page is incorrect.**

**Explanation**

The free space map root page in the arena table entry is incorrect.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0318E Fileset arena table entry block size is incorrect.**

**Explanation**

The arena table entry block size is incorrect.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised. Check the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0319E Could not find arena control block. Storage Pool *sc\_pool\_name* (*sc\_pool\_id*). Unexpected error.**

**Explanation**

The metadata checker could not find an arena control block.

**Action**

Repeat the metadata check. If the error persists, contact your service representative.

---

**HSTSC0320E Fileset arena table entry fetch check arena table failed, stgpool *sc\_pool\_name* (*sc\_pool\_id*). RC = *sc\_result\_code***

**Explanation**

An attempt to fetch a table entry from the check arena table failed.

**Action**

Resolve the error code and run the metadata checker again. Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative.

---

**HSTSC0321E Fileset directory object basic block size is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0322E Fileset directory object version *sc\_directory\_version* should be *sc\_directory\_version*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0323E Fileset directory object first reserved should be 0.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0325E Fileset directory object search index root page is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0326E Fileset directory object name index root page is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0327E Fileset directory object next search key is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0328E Fileset directory object search index object ID is incorrect. RC = *sc\_result\_code*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0329E Size of fileset directory object search index is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0330E Fileset directory object search index key *sc\_search\_index\_key* should be greater than *sc\_search\_index\_key*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSC0331E Fileset directory object search index version *sc\_search\_index\_version* should be *sc\_search\_index\_version*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0332E Fileset directory object search index name length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0333E Fileset directory object search index type is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0334E Fileset directory object search index object ID is incorrect. RC = *sc\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0335E Fileset directory object search index directory object does not connect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0337E Fileset directory object search index object death epoch ID is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0338E Fileset directory object search index object birth epoch ID is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0339E Fileset directory object name index key epoch ID is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0340E Fileset directory object name index key name length is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0341E Fileset directory object name index version *sc\_name\_index\_version* should be *sc\_name\_index\_version*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0342E Fileset directory object name index reserved space is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0343E Fileset directory object name index type is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0344E Fileset directory object name index object ID is incorrect. RC = *sc\_result\_code***

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0345E Fileset directory object name index directory object does not connect.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0346E Fileset directory object name index directory object not found.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0347E Fileset directory object name index search key does not exist.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0348E Fileset directory object name index search key error. RC = *sc\_result\_code***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0349E Fileset directory object name index death epoch ID is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0350E Fileset directory object name index birth epoch ID is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0351E Fileset file object version *sc\_object\_version* should be *sc\_object\_version*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0352E Fileset file object first reserved space is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0353E Fileset file object status is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0354E Fileset file object status error. RC = *sc\_result\_code*****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0355E Fileset file object allocation unit *sc\_object\_size* is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0356E Fileset file object second reserved space is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0357E OBSOLETE Fileset file object segment table entries is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0358E Fileset file object live block count is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0359E Fileset object common attributes basic file size is incorrect. *sc\_common\_attrib\_size* should be less than *sc\_common\_attrib\_size*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0360E Fileset object common attributes basic block count is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0361E Fileset file object third reserved space is incorrect.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0362E Fileset anchor record root page is incorrect.****Explanation**

The metadata checker encountered a problem with the fileset anchor record.

### Action

Recreate the fileset and recover the contents from backup.

---

**HSTSC0363E SC anchor record load for fileset *sc\_fileset\_name* (*sc\_fileset\_id*) failed *sc\_result\_code*.**

### Explanation

The metadata checker encountered a problem loading the fileset anchor record.

### Action

Run the metadata checker in salvage mode to recreate the fileset anchor record.

---

**HSTSC0364E Fileset anchor record on disk is not the same as in memory copy for fileset *sc\_fileset\_name* (*sc\_fileset\_id*).**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0365E Fileset anchor record version *sc\_anchor\_version* should be *sc\_anchor\_version* for fileset *sc\_fileset\_name* (*sc\_fileset\_id*).**

### Explanation

The fileset anchor record is corrupt and needs to be salvaged.

### Action

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0367E Fileset anchor record flags field is not valid for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). Flags: *0xsc\_anchor\_flags*.**

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSC0368E Fileset anchor record update progress**  
*sc\_update\_progress should be sc\_update\_progress for fileset*  
*sc\_fileset\_name (sc\_fileset\_id).*

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0369E Fileset anchor record ODT root count** *sc\_root\_count*  
**should be** *sc\_root\_count for fileset* *sc\_fileset\_name (sc\_fileset\_id).*

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0370E Fileset anchor record ODT compare function**  
*sc\_compare\_function should be sc\_compare\_function for fileset*  
*sc\_fileset\_name (sc\_fileset\_id).*

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0371E** *sc\_root\_page* **table root page is incorrect for fileset**  
*sc\_fileset\_name (sc\_fileset\_id).*

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0372E Fileset anchor record primary epoch ID *sc\_epoch\_id* should be between *sc\_epoch\_id* and *sc\_epoch\_id* for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). Fatal error.**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0373E Fileset anchor record revert from epoch ID *sc\_epoch\_id* is incorrect.**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0374E Fileset anchor record quota is not valid. Value is *sc\_record\_quota* in fileset *sc\_fileset\_name* (*sc\_fileset\_id*).**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0375E Fileset anchor record alert percentage is not valid. Value is *sc\_alert\_percentage* in fileset *sc\_fileset\_name* (*sc\_fileset\_id*).**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0376E Fileset anchor record hard/soft flag is not valid. Value is 0xsc\_anchor\_flag in fileset sc\_fileset\_name (sc\_fileset\_id).**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0377E Fileset anchor record quota is different than master, anchor quota sc\_fileset\_quota, master quota sc\_fileset\_quota, fileset sc\_fileset\_name (sc\_fileset\_id).**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0378E Fileset anchor record alert percentage is different than master, anchor percentage sc\_alert\_percent, master percentage sc\_alert\_percent, fileset sc\_fileset\_name (sc\_fileset\_id).**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0379E Fileset anchor record hard/soft flag is different than master.**

**Explanation**

The fileset anchor record is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the fileset anchor record.

---

**HSTSC0380E Fileset ODT <fileset *sc\_fileset\_name* (*sc\_fileset\_id*)> does not agree with anchor record <fileset *sc\_fileset\_name*, (*sc\_fileset\_id*)>**

**Explanation**

The fileset ID did not agree with the metadata tables memory copy.

**Action**

You might have to restart the server servicing the fileset to fix this problem.

---

**HSTSC0381E Fileset ODT root address (0x*sc\_root\_address*) does not agree with anchor record (0X*sc\_root\_address*)**

**Explanation**

The fileset root page did not agree with the metadata tables memory copy.

**Action**

You might have to restart the server servicing the fileset to fix this problem.

---

**HSTSC0382E Fileset object ID is incorrect.**

**Explanation**

The object's ID is greater than any ID that has been used. It is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0383E Fileset object epoch ID epoch is incorrect.**

**Explanation**

The object's epoch is greater than any epoch that has been used. It is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0384E Fileset object ID reserved is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0385E Fileset object common attributes version**  
*sc\_object\_version* should be *sc\_object\_version*.

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0386E Fileset object common attributes basic type**  
*sc\_object\_type* is incorrect.

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0388E Fileset object common attributes basic block size is**  
incorrect.

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0389E Fileset object common attributes data version is**  
incorrect.

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0390E Fileset object common attributes session version is**  
incorrect.

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0391E Fileset object common attributes storage pool ID is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0392E Fileset object common attributes strategy is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0393E Fileset object common attributes birth epoch ID is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0394E Fileset object common attributes death epoch ID is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0395E Fileset object common attributes revertCount is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0396E Fileset object common attributes reserved  
*sc\_object\_reserved* is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0397E WORMHOLE type *sc\_object\_type*.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0398E Fileset object common attributes basic type  
*sc\_object\_type* is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0399E Fileset object common attributes permissions are  
incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0400E Fileset object common attributes user ID/group ID are  
incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0401E Fileset object common attributes STSD ID is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0402E Fileset object common attributes STSD domain is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0403E Fileset object common attributes STSD permissions is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0404E Fileset object common attributes security descriptor length *sc\_descriptor\_length* is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0405E Fileset object common attributes security descriptor data is incorrect.****Explanation**

The object is corrupt and needs to be salvaged.



**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0406E Fileset object common attributes security descriptor data error. RC = *sc\_result\_code***

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0407E Fileset object common attributes basic link count is *sc\_link\_count*. It should be *sc\_link\_count***

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0408E Fileset object common attributes basic link count is incorrect.**

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0409E Fileset object common attributes basic link count error. RC = *sc\_result\_code***

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTSC0410E Unable to lock fileset FlashCopy table. Error**  
*sc\_result\_code*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0411E Fileset FlashCopy data does not agree with the anchor record.**

**Explanation**

The fileset FlashCopy data did not agree with the metadata tables memory copy.

**Action**

You might have to restart the server servicing the fileset to fix this problem.

---

**HSTSC0412E Fileset FlashCopy table key epoch ID is incorrect.**

**Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0413E Fileset FlashCopy table checksum is incorrect.**

**Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0414E Fileset FlashCopy table version *sc\_data\_version* should be *sc\_data\_version***

**Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0415E Fileset FlashCopy table reserved space is incorrect.****Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0416E Fileset FlashCopy table timestamp is in the future.****Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0417E Fileset FlashCopy table flags is incorrect.****Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0418E Fileset *sc\_table\_name* data does not agree with anchor record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0419E Fileset FlashCopy table string lengths is incorrect.****Explanation**

The fileset FlashCopy table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0420E Fileset *sc\_table\_name* table key storage pool ID is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0421E Fileset *sc\_table\_name* table key object ID (*sc\_object\_id*) is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0422E Fileset *sc\_table\_name* table key reserved space is incorrect.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0423E Fileset directory object segment table root page is incorrect.**

**Explanation**

The apparent root page of a file object does not match the signature of a root page.

**Action**

If salvage mode is enabled, the corrupt block is removed from the file. Recreate the file or restore it from backup. If salvage mode is not enabled, the integrity lost flag is raised.

---

**HSTSC0424E Fileset file object segment header *sc\_error\_message***  
**version:** *sc\_version*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header version.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0425E Fileset file object segment header *sc\_error\_message***  
**magic:** *0xsc\_magic\_number*

**Explanation**

The segment table entry in the specified file is corrupt, and the file needs to be salvaged. This message reports the segment header magic number.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0426E Fileset file object segment header *sc\_error\_message***  
**flags:** *0xsc\_flags*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header flags.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0427E Fileset file object segment header *sc\_error\_message***  
**reserved***sc\_reserved\_number: sc\_reserved*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header reserved value.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0428E Fileset file object segment header *sc\_error\_message***  
**extentCount:** *sc\_extent\_count*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header extent count.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0430E Fileset file object segment header *sc\_error\_message***  
**birthEpochId:** *sc\_epoch\_id*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header birth epoch.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0431E Fileset file object segment header *sc\_error\_message***  
**deathEpochId:** *sc\_epoch\_id*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header death epoch.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0432E Fileset file object segment header *sc\_error\_message***  
**denseCount:** *sc\_dense\_count*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header dense count.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0433E Fileset file object segment header *sc\_error\_message***  
**allocCount:** *sc\_alloc\_count*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header allocation count.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0434E Fileset file object segment extent *sc\_error\_message***  
**startRBN:** *sc\_event*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment extent startRBN.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0435E Fileset file object segment extent *sc\_error\_message***  
**count:** *sc\_count*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment extent count.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0436E Fileset file object segment extent *sc\_error\_message***  
**arenaOffset:** *sc\_arena\_offset*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment extent arena offset.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0437E Fileset file object segment header *sc\_error\_message***  
**blockState:** *sc\_block\_state*

**Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header block state.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0438E Fileset file object segment *sc\_error\_message***  
**calculated:** *sc\_checksum*, **expected:** *sc\_checksum*

**Explanation**

The segment table entry in the specified file has an incorrect checksum, and the file needs to be salvaged.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0439E Fileset object STSD data consistency error for STSDobj:**  
*sc\_stsd\_object\_id*

**Explanation**

No STSD with the given object ID was found in the data table.

**Action**

The integrity lost flag is raised.

---

**HSTSC0440E Fileset object STSD data fetch error for STSDobj:**  
*sc\_stsd\_object\_id* **RC =** *sc\_result\_code*

**Explanation**

The object could not be retrieved from the data table due to the given error.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0441E Fileset object STSD hash not found for STSDobj:**  
*sc\_stsd\_object\_id*

**Explanation**

No STSD with the given hash value was found in the hash table.



### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## **HSTSC0442E Fileset object STSD hash fetch error for STSDobj:**

*sc\_stsd\_object\_id*

### **Explanation**

The object could not be retrieved from the hash table due to the given error.

### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## **HSTSC0443E Fileset object STSD hash value corrupt for STSDobj:**

*sc\_stsd\_object\_id*

### **Explanation**

The hash value computed from the data entry does not match the one retrieved from the hash table.

### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## **HSTSC0444E Fileset STSD data does not agree with anchor record.**

### **Explanation**

The object anchor data (fileset ID, root address) is invalid.

### **Action**

The metadata check prematurely stops and fails.

---

## **HSTSC0445E Fileset STSD table key object ID is not valid.**

### **Explanation**

The object ID of the given STSD was not found in the ODT, and is likely invalid.

### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0446E Fileset STSD table key object ID error *sc\_result\_code*****Explanation**

The object ID of the given STSD was not found in the ODT due to the reported error.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0448E Fileset STSD Hash data does not agree with anchor record.****Explanation**

The object anchor data (fileset ID, root address) is invalid.

**Action**

The metadata check prematurely stops and fails.

---

**HSTSC0449E Fileset STSD table key object ID is not valid.****Explanation**

The object ID of the given STSD was not found in the ODT, and is likely invalid.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0450E Fileset STSD table key object ID error=*sc\_result\_code*****Explanation**

The object ID of the given STSD was not found in the ODT due to the given error.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0451E Fileset object common attributes basic file size is incorrect.****Explanation**

The object anchor data (fileset ID, root address) is invalid.

**Action**

The metadata check prematurely stops and fails.

---

**HSTSC0452E Fileset object common attributes basic block count is incorrect.**

**Explanation**

The basic block count of the given object is incorrect.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0453E Fileset object common attributes basic file size is incorrect.**

**Explanation**

The file size of the given object is incorrect.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0454E Fileset symbolic links data does not agree with anchor record.**

**Explanation**

The object anchor data (fileset ID, root address) is invalid.

**Action**

The metadata check prematurely stops and fails.

---

**HSTSC0455E Fileset symbolic link table key object ID is not valid.**

**Explanation**

The object ID of the given STSD was not found in the ODT, and is likely invalid.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0456E Fileset symbolic link table key object ID  
error=*sc\_result\_code***

**Explanation**

The object ID of the given STSD was not found in the ODT due to the given error.

### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## **HSTSC0457E OBSOLETE Fileset symbolic link table key reserved space is incorrect.**

### **Explanation**

The reserved field of the given STSD has an incorrect value.

### **Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

## **HSTSC0458E OID scan: out of memory.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0459E OBSOLETE Fileset file object block state should not be allocated.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSC0460E OBSOLETE Fileset file object block state should be bad.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0461E OBSOLETE** *sc\_function: sc\_epoch\_name\_string mismatch: entry: sc\_epoch\_id, dir: sc\_epoch\_id*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0462E** *sc\_function: sc\_fileset\_id.sc\_object\_id filesize mismatch: fileSize: sc\_file\_size, b\_fileSize: sc\_block\_size*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0463E** *sc\_function: sc\_fileset\_id.sc\_object\_id linkcount mismatch: linkCount: sc\_link\_count, b\_linkCount: sc\_block\_link\_count*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0464E FlashCopy Image Cleaner: Error** *sc\_result\_code replacing key sc\_key.sc\_epoch\_id in directory searchkey index at root page sc\_fileset\_id.sc\_key\_index\_root, objectId sc\_object\_id.*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0465E FlashCopy Image Cleaner: Error *sc\_result\_code* replacing key *sc\_name.sc\_epoch\_id* in directory name index at root page *sc\_fileset\_id.sc\_index\_root*, objectId *sc\_object\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0466E FlashCopy Image Cleaner: Error *sc\_result\_code* removing key *sc\_key.sc\_epoch\_id* from directory searchkey index at root page *sc\_fileset\_id.sc\_index\_root*, objectId *sc\_object\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0467E FlashCopy Image Cleaner: Error *sc\_result\_code* removing key *sc\_key.sc\_epoch\_id* from directory name index at root page *sc\_fileset\_id.sc\_index\_root*, objectId *sc\_object\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0468E FlashCopy Image Cleaner: Unexpected error *sc\_result\_code* processing directory *sc\_object\_id*, searchKey index *sc\_fileset\_id.sc\_index\_root*, name index *sc\_fileset\_id.sc\_index\_root*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0001I Connection request received from IP address *ip\_address*, port *port\_number*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0002W asmNetworkOutStream: Tabular output was still in progress when end-of-response marker written.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0003E asmNetworkOutStream: Untranslated ADM command result code - *asm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0004E Unable to create acceptor socket.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0005E Unable to start session acceptor daemon.**

**Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0006E Error *asm\_result\_code* sending data for session *asm\_session\_number***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0007I Received 0 bytes for session *asm\_session\_number***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0008E Error *asm\_result\_code* receiving data for session *asm\_session\_number***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0009E Error accepting new connection.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTSM0010I Stopping session acceptor daemon.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0011E Error *asm\_result\_code* initializing acceptor socket.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0012E Error *asm\_result\_code* setting socket option for acceptor socket.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0013E Error *asm\_result\_code* binding port *asm\_port\_number* to acceptor socket.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0014E Error *asm\_result\_code* listening on acceptor socket.****Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0015E Administrative command failed: unable to allocate required memory.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0016E Administrative command failed: invalid message header.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0017E Administrative command failed: invalid message type.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTSM0018E Administrative command failed: invalid message length.**

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0019E asmShippedCmdAction: Error sending reply to node**  
*asm\_result\_code*

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSM0020I Dropping connection for IP address *asm\_ip\_address*, port *asm\_port\_id*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTTM0001I Client name *client\_name* identified as client ID *client\_id* from IP address *ip\_address*, port *port\_number*.**

**Explanation**

A new client has connected with the server.

**Action**

No action is required. This message is only informational.

---

**HSTTM0002I ReassertDataLock: FromClient=*tm\_client\_id*, TxnId=*tm\_txn\_id*, ObjId=*tm\_object\_id*, LockMode=*tm\_lock\_mode*, Bad [Epoch,Version] Current [*tm\_epoch\_value*,*tm\_data\_version*], Requested [*tm\_epoch\_value*,*tm\_data\_version*].**

**Explanation**

A client is unable to reassert a lock because the server has reclaimed it. The lock has either been used by the server or granted to another client. The client returns an error to the application.

**Action**

Restart your application.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTTM0003I ReassertSessionLock: FromClient=*tm\_client\_id*, TxnId=*tm\_txn\_id*, ObjId=*tm\_object\_id*, LockMode=*tm\_lock\_mode*, Bad [Epoch,Version] Current [*tm\_epoch\_value*,*tm\_data\_version*], Requested [*tm\_epoch\_value*,*tm\_data\_version*].**

**Explanation**

A client is unable to reassert a lock because the server has reclaimed it. The lock has either been used by the server or granted to another client. The client returns an error to the application.

**Action**

Restart your application.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTTM0005E TM process transaction message: Ignored message. The message type is not valid (0x@1@2).**

**Explanation**

This is an error injection only.

**Action**

No action is required.

---

**HSTTM0006E DeferredDowngradeDataLock: too much STSD Data: client=*tm\_client\_id*, size=*tm\_stsd\_length*.**

**Explanation**

STSD data received from the client exceeds the maximum supported size.

**Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0007E Warning. OM RC *tm\_om\_result\_code* not translated.**

**Explanation**

This is a server internal error. Object manager error has been translated to an STP internal error.

**Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0008E tmMsgBuilder::setUnicodeString: Insufficient space in message.****Explanation**

STP message buffer does not have enough space to pack current data. This message indicates a server internal error.

**Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0009S CALLHOME: tmMsgBuilder::setUnicodeString: Insufficient space in message. The server process is stopping.****Explanation**

STP message buffer doesn't have enough space to pack current data. This is a server internal error. The server process is stopping.

**Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0013E TMRep: Error initializing UDP socket.****Explanation**

Transaction manager failed to create a new UDP socket.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0014E TMRep: Error binding port *tm\_port\_id* to TCP socket.****Explanation**

Transaction manager failed to bind socket to TCP port.

### **Action**

Make sure that port is not used by any other process. Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0017E TMRep: Unable to start UDP receiver thread.**

### **Explanation**

Transaction manager failed to start receiver thread.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0018E TMRep: Unable to start *tm\_thread\_name* cleanup thread.**

### **Explanation**

Transaction manager failed to start general cleanup thread.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0019E TMRep: Error initializing the STP ping socket.**

### **Explanation**

Transaction manager failed to create socket for ping service.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0020E TMRep: Error binding STP ping socket to ip=*tm\_ip\_address*.**

**Explanation**

Transaction manager failed to bind socket to ping IP.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0021E Expire Lease: ClientId=*tm\_client\_id***

**Explanation**

Transaction manager has expired the client lease.

**Action**

Check the network connection between client and server. View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0022E TM: Unable to deliver message to client *tm\_client\_id* at IP address *tm\_ip\_address* after *tm\_retry\_attempts* attempts. The message type is: (*tm\_msg\_type*:0x*tm\_msg\_type\_value*)**

**Explanation**

Transaction manager failed to deliver message to client. Server is going to expire client lease.

**Action**

Check the network connection between client and server. View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0024E TM receiver: Invalid message. Datagram length (*tm\_datagram\_length*) less than protocol message header size (*tm\_protocol\_header\_size*).**

**Explanation**

Transaction manager received an STP message that is shorter than the size of the STP header. This message will be ignored.

### **Action**

Check the network connection between client and server. View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0025E TM receiver: Invalid signature in message header.**

### **Explanation**

Transaction manager received an invalid STP message from the client. This message will be ignored.

### **Action**

Check the network connection between client and server. View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0026E TM receiver: invalid message. Message length in header (*tm\_msg\_length*) not equal to datagram length (*tm\_datagram\_length*).**

### **Explanation**

Transaction manager received an STP message with an invalid message length embedded in the header. This message will be ignored.

### **Action**

Check the network connection between client and server. View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0027E TM receiver: protocol version number (*tm\_protocol\_version*) in message header is invalid.**

### **Explanation**

Transaction manager received an STP message with a protocol version not known to the version control manager. Messages other than an identify will be ignored.

### **Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTTM0028E** TM receiver: ignored Renew Lease - unidentified client  
Id = *tm\_client\_id*, IPaddress= *ip\_address*, Port= *port\_number* Old  
known clientId = *client\_id*.

**Explanation**

The transaction manager received a lease renewal message from a client that is not known to the server or from an invalid client ID. This message will be ignored.

**Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0029E** TM receiver: Ignored shutdown. The client *client\_id* is unidentified.

**Explanation**

The transaction manager received a graceful shutdown message from a client that is not known to the server or from an invalid client ID. This message will be ignored.

**Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0030E** TM receiver: Ignored message. The client *client\_id* is unidentified.

**Explanation**

The transaction manager received a transaction message from a client which is not known to server or from an invalid client id. This message will be ignored.

**Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0031E** TM receiver: Sending ExpireLease message to client  
*tm\_client\_id*. MsgType: (*tm\_msg\_name*:*0xtm\_msg\_type\_value*)

**Explanation**

Transaction manager received a message from an expired client. Sending expire lease message to client.

### **Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0032E TM receiver: ignored message. The message type (0x`tm_msg_type`) is not valid.**

### **Explanation**

Transaction manager received a message from a client with an invalid message type. This message will be ignored.

### **Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0033E TM: Mismatch on LM::SessionLockMode enumeration.**

### **Explanation**

The consistency check for session lock mode values between STP and lock manager failed. This message indicates a server internal error.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0034E TM: Mismatch on LM::DataLockMode enumeration.**

### **Explanation**

The consistency check for data lock mode values between STP and lock manager failed. This message indicates a server internal error.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0035E TM: Mismatch on OM:Null\_SessionVersion.****Explanation**

The consistency check for null value of session lock version between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0036E TM: Mismatch on OM:Null\_DataVersion.****Explanation**

The consistency check for null value of data lock version between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0037E TM: Mismatch on ObjType enumeration.****Explanation**

The consistency check for object type values between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0038E TM: Mismatch on MiscObjAttr enumeration.****Explanation**

The consistency check for object miscellaneous attribute values between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0039E TM: Mismatch on Permission enumeration.**

#### **Explanation**

The consistency check for object permission type values between STP and object manager failed. This message indicates a server internal error.

#### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0040E TM: Mismatch on BasicObjAttrFlags enumeration.**

#### **Explanation**

The consistency check for basic object attribute flag values between STP and object manager failed. This message indicates a server internal error.

#### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0041E TM: Mismatch on AccessCtlFlags enumeration.**

#### **Explanation**

The consistency check for access control attribute flag values between STP and object manager failed. This message indicates a server internal error.

#### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0042E TM: Open directory scan failed: DIR OID = *tm\_object\_id*, RC = *tm\_result\_code*.**

#### **Explanation**

Failure occurred while opening directory scan.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0043E TM: Check file on disk failed: OID = *tm\_object\_id*, RC = *tm\_result\_code*.**

### Explanation

Transaction manager failed to check whether file blocks are allocated from specific disk.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0044E TM: Fetch directory entry failed: DIR OID = *tm\_object\_id*, RC = *tm\_result\_code*.**

### Explanation

Failure occurred while retrieving next directory entry.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0045E TM: Revoke session lock failed: OID = *tm\_object\_id*, RC = *tm\_result\_code*.**

### Explanation

Server failed to revoke object session lock from client.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0046E TM: An error occurred during the operation. A cluster transition has occurred.**

**Explanation**

Cluster transition detected while processing administrative command. Rerun failed command once cluster becomes stable.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0047E TM: Operation failed because the fileset access mode changed. Old = *tm\_access\_mode*, New = *tm\_access\_mode*.**

**Explanation**

Fileset access mode changed while processing administrative command. Rerun failed command.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0048E The `getObjAttr()` function failed in line *tm\_line\_number* of file *tm\_file\_name*. RC = *tm\_result\_code*.**

**Explanation**

the server is not able to retrieve object attributes from the schema manager.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0049E Internal error: A grace period was initiated on fileset *tm\_fileset\_name* (*tm\_fileset\_id*) that is already in grace period. You might need to restart the server to correct the problem.**

**Explanation**

Subordinate has been asked to open the fileset that is already open and going through the grace period.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Check operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0050E Unable to activate fileset grace period lock filter:  
node=*tm\_node\_id* fileset=*tm\_fileset\_name* (*tm\_fileset\_id*).  
RC=*tm\_result\_code*.**

### Explanation

Check the return code description to understand this failure.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Check operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0051E Start fileset grace period cleaner thread failed:  
errno=*tm\_result\_code*.**

### Explanation

Server failed to start the grace period cleaner thread.

### Action

Check server log and operating system log on the server machine.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0052E Committing fileset *tm\_fileset\_name* (*tm\_fileset\_id*) to current epoch failed. RC = *tm\_result\_code*. Fileset will not be accessible. You might need to restart the server to correct the problem.**

### Explanation

Fileset manager is not able to commit the current epoch. The reason could be lower level transaction manager is not able to update the anchor record.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0053W TM immediate message: Ignored message - Message type (0x`tm_msg_type`) is not valid.**

**Explanation**

Transaction manager received immediate message from client with invalid message type. This message will be ignored.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0054S tmMsgBuilder:setObjAttr: Insufficient space in message.**

**Explanation**

There is not enough space in the STP message buffer to hold STSD data. Server will stop.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0055S CALLHOME: tmMsgBuilder:setObjAttr: Insufficient space in message. The server process is stopping.**

**Explanation**

There is not enough space in the STP message buffer to hold STSD data. Server will stop. This is a call home event.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0056S File removed from fileset `tm_fileset_name` (`tm_fileset_id`) : `tm_path_name/tm_file_name`**

**Explanation**

File removed from fileset. This remove operation is carried out to free up the volume space so that empty volume can be removed.



## Action

This is an informative message. No action required.

---

### **HSTTM0057S File has blocks that are not valid in fileset** *tm\_fileset\_name (tm\_fileset\_id) : tm\_path\_name/tm\_file\_name*

#### Explanation

Files are being removed to delete a volume. The specified file is read-only so the server will mark the file blocks as bad instead of removing the file. The file contents will be destroyed.

#### Action

This is an informative message. No action required.

---

### **HSTTM0058E TMRep: Error initializing TCP socket.**

#### Explanation

Transaction manager failed to create a new TCP socket.

#### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0059E TMRep: Unable to start TCP listener thread.**

#### Explanation

Transaction manager failed to start TCP listener thread.

#### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTTM0060E TMRep: Error binding port *tm\_port\_id* to UDP socket.**

#### Explanation

Transaction manager failed to bind socket to UDP port.

#### Action

Make sure that the port is not used by any other process. Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0061E TMRep: Error connecting STP ping socket to peer**

*tm\_ip\_address:tm\_port\_id.*

**Explanation**

Transaction manager failed to connect remote service.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0062E TM receiver: Peer disconnected from**

**IPaddress=***tm\_ip\_address***, Port=***tm\_port\_id*

**Explanation**

Transaction manager detected a TCP socket disconnection from client end.

**Action**

View the client and server logs to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0063E TM: Error *tm\_result\_code* setting socket option for acceptor socket.****Explanation**

Transaction manager failed to set options for TCP listener socket.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0064E TM: Listen call failed****Explanation**

TCP listener socket has returned an error. Server will stop.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0065E TM: Error accepting new connection.**

### **Explanation**

TCP socket accept has returned a error. Server will stop.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0066S TMRep: Unable to start TCP receiver thread.**

### **Explanation**

Server failed to start a TCP receiver thread.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0067I OBSOLETE Information. Disconnect\_all\_clients() callback called from Group Services.**

### **Explanation**

The server is disconnecting all clients and closing TCP sockets as part of a network interface failover.

### **Action**

This is an informative message. No action required.

---

## **HSTTM0068S TM: Mismatch on Group Services and STP cluster name lengths.**

### **Explanation**

The consistency check for cluster name length value between STP and group services failed. This message indicates a server internal error.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0069E TM: acquireOpSessionLock() failed with RC = *tm\_result\_code* in file *tm\_file\_name*, line *tm\_line\_number***

### Explanation

Transaction manager failed to return session lock for lookup object request.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0070E TMPRep::manage\_atimes failed getAttr on object *tm\_object\_id* with RC = *tm\_result\_code*, in file *tm\_file\_name*, line *tm\_line\_number*.**

### Explanation

Transaction manager failed to retrieve object attributes from object manager.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0071E TMPRep::transmit\_publish\_atime: tmMsgBuilder::storeAtimeUpdate failed with rval=*tm\_result\_code* in file *tm\_file\_name*, line *tm\_line\_number***

### Explanation

Failure occurred while packing data in the publish access time message.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0072E Unable to send atime publish message to client**  
*tm\_client\_id.*

**Explanation**

Publish access time message cannot be sent to client due to failures.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0073E TMPRep::transmit\_publish\_atime: sendMsg failed with**  
**rval=tm\_result\_code in file tm\_file\_name, line tm\_line\_number**

**Explanation**

Failure occurred while sending publish access time message to client.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0074W TM: Expiring overdue lease of client: tm\_client\_id.**

**Explanation**

The client lease renewal is overdue by two lease periods so the server is expiring the lease.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0075W TM: Removing inactive client: tm\_client\_id.**

**Explanation**

Destroying client after client expired grace period.

**Action**

No action required. View the server logs for more information.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0076I getObjType: Detach In progress. Retry the request for *tm\_object\_id*.**

**Explanation**

Fetch object information from object manager failed because fileset detach is in progress.

**Action**

Retry this operation once fileset detach is complete.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0077W TM process transaction message: Ignored message - Message type (*0xtm\_msg\_type*) is not valid.**

**Explanation**

Transaction manager received a message with an unknown transaction message type. This message will be ignored.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0079E TM: PublishRootClientInfoMsg Sent for Client ID *tm\_client\_id* with flag *tm\_flag\_value* (Error Retcode=*tm\_result\_code*).**

**Explanation**

Transaction manager failed to publish root client privilege information to the client.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0080I Warning. Message from client clientId:(*tm\_client\_id*), IP address:Port:(*tm\_ip\_address:tm\_port\_id*) took longer than 5 seconds. MsgType:(*tm\_msg\_type\_name:0x**tm\_msg\_type\_value*), Start time : (*tm\_proc\_start\_time*), End time : (*tm\_proc\_end\_time*), Total time : (*tm\_proc\_total\_time*).**

**Explanation**

Receiver thread was held up too long for this message. This situation could cause client lease to expire as no lease renewals were processed during this time.

**Action**

This is a informative message. No action is required.

---

**HSTTM0081E TM: Lease renew send failed. Client ID = *tm\_client\_id*, RC = *tm\_result\_code*, Sock error = *tm\_socket\_result\_code*.**

**Explanation**

Transaction manager failed to send a lease renewal message to client.

**Action**

Check the network connection between client and server. Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0082E TM: fetchFOVinFileset failed while scanning fileset *tm\_fileset\_name***

**Explanation**

Failure occurred while scanning directory to find files residing on a specific volume.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0083E TM: fetchFOVinFileset failed while repositioning in fileset *tm\_fileset\_name***

**Explanation**

Reposition of file scan is failed.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0084E Remove file failed: Object ID = *tm\_object\_id*, RC = *tm\_result\_code*

### Explanation

Object manager failed to remove a file from a directory.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0085E Returning partial path: *tm\_path\_name*

### Explanation

There is no space in the buffer so indicate this scan as a partial path scan.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0086E Stop: Returning intermediate path: *tm\_path\_name*

### Explanation

Returning intermediate path.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTTM0087E Continue: Returning tail path: *tm\_path\_name*****Explanation**

Returning tail path.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0090E TM: fetch\_files\_from\_directory failed while scanning directory *tm\_path\_name*****Explanation**

Failure occurred while retrieving files from directory.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0091E TM: refetch\_files\_from\_directory failed while repositioning in directory *tm\_path\_name*****Explanation**

Failure occurred while repositioning the directory scan.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0092E TM: refetch\_files\_from\_directory failed while scanning directory *tm\_path\_name*****Explanation**

Failure occurred while retrieving and scanning directory.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0093I** File = *tm\_file\_name*

### Explanation

Print a file name that is residing fully or partially on specific disk.

### Action

This is a informative message. No action is required.

---

**HSTTM0094E** startFlashCopyCleaner failed to start pit\_cleaner():  
Thread ID = *tm\_thread\_id*

### Explanation

Failure occurred while starting FlashCopy cleaner thread.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0095E** No memory for FlashCopy cleaner state

### Explanation

Failure occurred while allocating memory for pit cleaner state.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0096E** Open fileset failed for node *dg\_node\_id*, fileset  
*tm\_fileset\_name (tm\_fileset\_id)*, RC = *dg\_result\_code*.

### Explanation

Object manager failed to open a fileset.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0097E Lock grace period filter could not be installed for node *tm\_node\_id*, fileset *tm\_fileset\_name (tm\_fileset\_id)*, RC = *tm\_result\_code*.**

### **Explanation**

Server failed to create and apply grace period filter for fileset.

### **Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0099I Ending lock grace period on fileset. *tm\_fileset\_id*.**

### **Explanation**

Ending lock grace period on fileset and it is now open for modifying transactions and new transactions.

### **Action**

This is an information message. No action is required.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0101I Metadata check rescanned**

### **Explanation**

This is an informative message that describes the fileset check and salvage progress. If there was a problem that was salvaged the first time, rescan the ODT to clean up the results of the salvage.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0102W CreateDir: Response not delivered, ToClient**

*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
Created Directory *tm\_object\_id* (*tm\_directory\_name*)

**Explanation**

Response for the create directory request is not delivered to the requesting client due to network error or due to an invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0103W CreateFile: Response not delivered, ToClient**

*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
Created File *tm\_object\_id* (*tm\_file\_name*)

**Explanation**

Response for the create file request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0104W CreateHardLink: Response not delivered, ToClient**

*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
Hard Link *tm\_object\_id* (*tm\_link\_name*)

**Explanation**

Response for the create hard link request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0105W CreateSymLink: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
Sym Link *tm\_symlink\_name*

**Explanation**

Response for the create symbolic link request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0106W BlkDiskAllocate: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, File *tm\_file\_name*

**Explanation**

Response for the block allocation request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0107W BlkDiskUpdate: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, File *tm\_file\_name*

**Explanation**

Response for the block state update request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0108W ChangeName: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, Source Directory *tm\_directory\_name*,  
Source Child *tm\_object\_id* (*tm\_object\_id*), Target Directory  
*tm\_directory\_name*, Target Child *tm\_object\_id* (*tm\_object\_id*)

**Explanation**

Response for the change name request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0109W RemoveName: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
Removed Object *tm\_object\_id* (*tm\_object\_id*)

**Explanation**

Response for the remove name request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0110W SetBasicObjAttr: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, Object *tm\_object\_id*

**Explanation**

Response for the set basic object attribute request is not delivered to the requesting client due to network error or invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0111W SetAccessCtlAttr: Response not delivered, ToClient**  
*tm\_client\_id*, **TxnId** *tm\_txn\_id*, **Object** *tm\_object\_id*

**Explanation**

Response for the set access control attribute request is not delivered to the requesting client due to network error or an invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0112I TM metadata check stopped.**

**Explanation**

Metadata checker is stopped.

**Action**

Rerun metadata checker if it is stopped by an internal event.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTTM0113E Protocol Transaction Manager metadata check error. RC =**  
*tm\_result\_code*

**Explanation**

Object manager encountered an error while maintaining metadata checker's temporary data.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault. Resolve the errors. Rerun the metadata checker.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0116E OBSOLETE Protocol Transaction Manager metadata check**  
**unable to set data lock mode. RC =** *tm\_result\_code*

**Explanation**

Metadata checker failed to activate object filter.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault. Resolve the errors. Rerun the metadata checker.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0119E Salvage reclaim entry removing *tm\_object\_name*

### Explanation

Failure occurred while salvaging a reclaim table entry.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault. Resolve the errors. Rerun the metadata checker.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0120E OBSOLETE TMfilter: *tm\_filter\_name*: revoke locks: Get object information failed. OID = *tm\_object\_id*: RC = *tm\_result\_code*

### Explanation

An attempt to obtain file system object information failed.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## HSTTM0121E TMfilter: *tm\_filter\_name*: revoke locks: Increment datalock version failed. OID=*tm\_object\_id*: RC = *tm\_result\_code*: Requested lock mode= *tm\_data\_lock\_mode*: Datalock wait mode= *tm\_data\_wait\_mode*: Demand data lock return code= *tm\_result\_code*:

### Explanation

A metadata server encountered an error while incrementing the data lock version of a file system object.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTTM0122E** TMFilter: *tm\_filter\_name*: revoke locks: Revoke object datalocks failed. **OID**=*tm\_object\_id*: Requested datalock mode=*tm\_data\_lock\_mode*: Datalock wait mode=*tm\_data\_lock\_mode*: Is lock stolen=*tm\_stolen\_lock\_flag*: **RC** = *tm\_result\_code*:

**Explanation**

A metadata server encountered an error while revoking the data lock of a file system object.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0123E** TMFilter: *tm\_filter\_name*: revoke locks: Increment session lock version failed. **OID**=*tm\_object\_id*: **RC** = *tm\_result\_code*: Requested sessionlock mode=*tm\_session\_lock\_mode*: Demand flag=*tm\_demand\_flag*: **RC** = *tm\_result\_code*:

**Explanation**

A metadata server encountered an error while incrementing the session lock version of a file system object.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTVC0001S** VCMSG: Internal VCM error: *vcm\_result\_code*.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0002S** VCMSG: Metadata is not compatible with this code version.

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0003S VCMMSG: An I/O error occurred while reading version control records.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0004S VCMMSG: The version control master record is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0005S VCMMSG: The version control present versions record is not valid.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0006S VCMMSG: Generation mismatch between version control master and present versions records.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0007S VCMSG: Version control master record version  
*vcm\_record\_version* and present versions record version  
*vcm\_record\_version* not supported.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0008S VCMSG: Store of version control records failed with  
error: *vcm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0009I VCMSG: Generation mismatch master  
generation=*vcm\_record\_version*, committed SW  
version=*vcm\_record\_version*, timestamp=*vcm\_record\_timestamp*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0010I VCMSG: Generation mismatch present versions  
generation=*vcm\_record\_version*, committed software  
version=*vcm\_record\_version*, timestamp=*vcm\_record\_timestamp*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0011S VCMMSG: Commit of version control data failed with error: *vcm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0012S VCMMSG: Version control data is corrupt.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0013I VCMMSG: Version control data has been repaired.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0014S VCMMSG: Version control data repair failed with error *vcm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0015S VCMMSG: repair(): Master Record is older, cannot repair because software version *vcm\_record\_version* does not match committed version *vcm\_record\_version*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0016E VCMMSG: Data Incompatible: Index: *vcm\_index\_value*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0017I VCMMSG: repair(): Master record is newer, applying data to present versions record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0018I VCMMSG: repair(): Master Record is older, but committed version is same as software, fixing generation.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0019I VCMMSG: repair(): Master Record is older, missed upgradecluster, repairing Master Record.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0020E VCMSG: A read of version control records failed with error: *vcm\_result\_code*.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0021I Version Control Manager metadata check stopped.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0022E Warning. A metadata check command was issued to a subordinate node. This command must be issued to the master node.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0023E Version control data is corrupt.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0024E Version Control Manager load failed *vcm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0025I Repairing version control data.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0033W VCM: Upgrade cluster failed because not all nodes are running the same software version.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0034W VCM: Upgrade cluster failed because data conversion from a previous upgrade is still in progress.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0035E OBSOLETE VCM: Upgrade cluster failed because the Version Control Manager commit failed. RC = *vcm\_result\_code*.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTVC0036I VCM: Upgrade cluster to software version  
*vcm\_version\_string* succeeded. No data conversion is necessary.**

**Explanation**

The cluster has been successfully updated to the new software version. No data conversion is necessary.

**Action**

None.

---

**HSTWA0011S WAL: Unable to get aligned buffer (install).**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while installing the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0012S CALLHOME: WAL: Unable to get aligned buffer (install).  
The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while installing the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0013S WAL: Unable to get aligned buffer (extend).**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while extending the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.



---

**HSTWA0014S CALLHOME: WAL: Unable to get aligned buffer (extend).  
The server process is stopping.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTWA0015E Error formatting space on volume ID *wal\_volume\_id***

**Explanation**

The metadata server has encountered an unexpected I/O error while extending the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0016E Error *wal\_result\_code* locking volume ID *wal\_volume\_id*.**

**Explanation**

The metadata server has encountered an unexpected I/O error while opening the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0017E Unable to get aligned buffer.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while opening the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0018S CALLHOME: WAL: Unable to get aligned buffer. The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected memory error while opening the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0019S CALLHOME: WAL: Forced abort in walwriterrep.C, line *wal\_line\_number*. The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected write error while opening the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0020E Checkpoint area is not valid. Write-ahead log volume ID = *wal\_volume\_id*, emptyState = *wal\_empty\_state***

**Explanation**

The metadata server has encountered a critical error while opening a write-ahead log. The checkpoint header is corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0021E Unable to start write-ahead log extender thread.**

**Explanation**

The metadata server has encountered a critical error while trying to change the write-ahead log size. A thread could not be started.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0022E Version is not valid. Write-ahead log volume ID = *wal\_volume\_id*, newVersion = *wal\_wal\_version*, oldVersion = *wal\_wal\_version*.**

**Explanation**

The specified write-ahead log volume's persistent version number is larger than the new version specified. This message indicates an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0024S Unable to allocate aligned buffer.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while replenishing the free list buffers for the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0025S CALLHOME: Unable to allocate aligned buffer. The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected memory error while replenishing the free list buffers for the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0026E Error *wal\_result\_code* locking volume ID *wal\_volume\_id***

**Explanation**

The metadata server has encountered an unexpected error while locking the write-ahead log.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0027E Unable to get aligned buffer.****Explanation**

The metadata server has encountered an unexpected out-of-memory error while initializing the write-ahead log IO buffer.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0028S CALLHOME: WAL: Unable to get aligned buffer. The server process is stopping.****Explanation**

The metadata server has encountered an unexpected out-of-memory error while initializing the write-ahead log IO buffer.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0029E Checkpoint area is not valid.****Explanation**

The metadata server has encountered a critical error while opening a write-ahead log. The checkpoint header is corrupt.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0030E Unable to get aligned buffer.****Explanation**

The metadata server has encountered an unexpected out-of-memory error while initializing the write-ahead log IO buffer.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0031S CALLHOME: WAL: Unable to get aligned buffer. The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while initializing the write-ahead log IO buffer.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0032E Calculated tail page is not equal to checkpointed tail page. Volume ID = *wal\_volume\_id*, ckptTailUSN = *wal\_tail\_usn*, pageCapacity = *wal\_page\_capacity*, VirtPageNo = *wal\_virtual\_page\_number*, ckptTailPageNo = *wal\_tail\_usn*.**

**Explanation**

The specified write-ahead log volume's persistent tail page number is inconsistent. This message indicates an internal error.

**Action**

Contact your service representative for assistance.

---

**HSTWA0033E Write-ahead log record header is not valid.**

**Explanation**

The metadata server has encountered an unexpected error while processing the write-ahead log. The log record header is invalid.

**Action**

Contact your service representative for assistance.

---

**HSTWA0034E Write-ahead log record epoch is not equal to checkpoint epoch. recordEpoch = *wal\_epoch\_id* checkpoint epoch = *wal\_epoch\_id*.**

**Explanation**

The specified write-ahead log volume's persistent epoch number does not equal the page's epoch number. This is an indication that the end of the log has been reached.

### Action

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

## **HSTWA0035E RC = *wal\_result\_code* making write-ahead log empty.**

### Explanation

The metadata server has encountered an unexpected IO error while updating the write-ahead log.

### Action

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

## **HSTWA0036E Write-ahead log record epoch is not equal to checkpoint epoch. pageEpoch = *wal\_epoch\_id* checkpoint epoch = *wal\_epoch\_id*.**

### Explanation

The specified write-ahead log volume's persistent epoch number does not equal the page's epoch number. This is an indication that the end of the log has been reached.

### Action

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

## **HSTWA0038E Write-ahead log page header is not valid. Volume ID = *wal\_volume\_id*, PageUSN = *wal\_page\_usn*, Bytes used = *wal\_byte\_count***

### Explanation

A sanity check of the remaining bytes left is greater than the maximum. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0039I Write-ahead log checkpoint area (Volume ID = *wal\_volume\_id*):** **magic1:** *wal\_magic\_number*, **structureVersion:** *wal\_structure\_version* **logEmpty:** *wal\_empty\_flag*  
**wal\_empty\_usn\_type:***wal\_empty\_usn\_value* **tailPageNo:** *wal\_tail\_page\_number*.

**Explanation**

This is diagnostic information in the case of an error.

**Action**

Retain this information and contact your service representative for additional assistance.

---

**HSTWA0040I Write-ahead log checkpoint area (continued):**  
**pageCapacity:** *wal\_page\_capacity* **extendStatus:** *wal\_extended\_status*  
**epoch:** *wal\_epoch\_id* **version:** *wal\_wal\_version* **magic2:** *wal\_magic\_number*.

**Explanation**

This is diagnostic information in the case of an error.

**Action**

Retain this information and contact your service representative for additional assistance.

---

**HSTWA0041S CALLHOME: WAL: Unable to update the version on disk.  
The server process is stopping.**

**Explanation**

The metadata server has encountered an unexpected IO error while updating the write-ahead log.

**Action**

Check your SAN configuration for problems. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTWA0042E Version is not valid., Write-ahead log volume ID = *cm\_wal\_volume\_id*, newVersion = *cm\_wal\_version*, oldVersion = *cm\_wal\_version*.**

**Explanation**

The specified write-ahead log volume's persistent version number is larger than the new version specified. This message indicates an internal error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

## **HSTTM0125E Revoke fileset locks failed due to cluster transition.**

### Explanation

Cluster transition happened while revoking fileset locks.

### Action

Redrive the admin command after the cluster reformation.

---

## **HSTTM0126E Revoke fileset locks : Increment data lock version failed. OID = *tm\_object\_id*, RC = *tm\_result\_code*,**

### Explanation

A metadata server encountered an error while incrementing the data lock version of a file system object.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0127E Revoke fileset locks : Revoke object datalocks failed. OID = *tm\_object\_id*, Is lock stolen= *tm\_stolen\_lock\_flag*: RC = *tm\_result\_code*,**

### Explanation

A metadata server encountered an error while revoking the data lock of a file system object.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTTM0128E Revoke fileset locks : Increment session lock version failed. OID = *tm\_object\_id*: RC = *tm\_result\_code*:**

### Explanation

A metadata server encountered an error while incrementing the session lock version of a file system object.



### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0129E Revoke fileset locks : Revoke object session lock failed. OID = *tm\_object\_id*, Is lock stolen= *tm\_stolen\_lock\_flag*: RC = *tm\_result\_code*,**

### Explanation

A metadata server encountered an error while revoking the session lock of a file system object.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCK0026I Metadata of fileset *fsck\_fileset\_name* successfully salvaged. View the logs on node *fsck\_server\_name***

### Explanation

IBM SAN File System server successfully found and repaired fileset metadata corruptions.

### Action

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTCM0806E Cluster Manager volume partition maps table key reserved1 *cm\_reserved1* should be 0.**

### Explanation

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0807I Volume changed while Cluster Manager volume partition maps table was being checked.**

### Explanation

During the metadata check, the volume partition maps table changed.

### Action

Run the metadata checker again. If this message continues to appear, run the metadata checker with no client activity.

---

## **HSTCM0808E Cluster Manager volume partition maps key, disk ID *0xcm\_disk\_id* was not found.**

### Explanation

The metadata checker found a problem in the volume partition maps table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0809E Check/Salvage Cluster Manager volume partition maps record: verifyDiskId diskID=*0xcm\_disk\_id* failed with error *cm\_result\_code***

### Explanation

The metadata checker found a problem in the volume partition maps table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0810E Cluster Manager volume partition maps table discarding extra segment *cm\_segno* beyond *cm\_seg\_count* segments.**

### Explanation

The metadata checker found a problem in the volume partition maps table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0811E Check Cluster Manager failure: Cluster Manager *cm\_object\_name* table segment size *cm\_segsize* should be *cm\_segsz***

### Explanation

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0812E Check Cluster Manager failure: Cluster Manager**  
*cm\_object\_name* table record length *cm\_reclen* should be *cm\_reclen*

### Explanation

The metadata checker found a problem. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0813E Cluster Manager volume partition maps partition count**  
*cm\_partition\_count* should be *cm\_partition\_count*.

### Explanation

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0814E Cluster Manager volume partition maps bit map error bit**  
*cm\_bitno* is *cm\_bitval* and should be *cm\_bitval*.

### Explanation

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0815E Cluster Manager volume partition maps table free**  
**partition count** *cm\_partition\_count* should be *cm\_partition\_count*.

### Explanation

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0816E Cluster Manager *cm\_object\_name* table contains extraneous records for disk id *0xcm\_disk\_id* storage pool *cm\_stgpool*.**

## Explanation

The metadata checker found a problem in the specified table.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0817E Cluster Manager storage pools table reserved1 *cm\_reserved1* should be 0.**

## Explanation

The metadata checker found a problem in the storage pool table. The error indicates the correct data.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0818E Cluster Manager storage pool ID *cm\_pool\_id* was not found in Storage Pools table.**

## Explanation

The metadata checker found a problem in the storage pool table.

## Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0819E Cluster Manager volume stgPoolId *cm\_pool\_id*, diskId *0xcm\_disk\_id* was not found in Volumes table.**

## Explanation

The metadata checker found a problem in the volumes table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0820E Cluster Manager logical partitions table physical partition *cm\_partition\_number* is beyond the partition count *cm\_partition\_number* of the disk.**

### Explanation

The metadata checker found a problem in a logical partition table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0821E Cluster Manager logical partitions table physical partition *cm\_partition\_number* is a duplicate.**

### Explanation

The metadata checker found a problem in a logical partition table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0822E Check Cluster Manager failure: Cluster Manager *cm\_object\_name* table key length *cm\_keylen* should be *cm\_keylen***

### Explanation

The metadata checker found a problem in the specified table. The error indicates the correct data.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0823E Check Cluster Manager Destroying Volume Partition Map**  
**Record: Storage Pool** *cm\_pool\_id (cm\_pool\_name)* , **Disk** *0xcm\_disk\_id* ,  
**Segment** *cm\_segno*

**Explanation**

The metadata checker found a problem in a volume partition maps table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0824E Check Cluster Manager Missing Volume Partition Map**  
**Records for: Storage Pool** *cm\_pool\_id* , **Disk** *0xcm\_disk\_id*

**Explanation**

The metadata checker found a problem in a volume partition maps table. The error indicates the correct data.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0825W OBSOLETE Check CM Info: Cannot validate lookup of**  
**fileset** *cm\_fileset\_name (cm\_fileset\_id)* **because it is not served.**

**Explanation**

The metadata checker attempts to look up the root of wormhole filesets as part of metadata validation. If the fileset is not served at the time the system metadata check is initiated, this validation cannot be done. This problem might be caused by metadata corruption.

---

**HSTCM0827E Cluster Manager storage pools table NULL storage pool**  
**id** (*cm\_pool\_id*).

**Explanation**

The metadata checker found a problem in the storage pool table. The error indicates the correct data.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0828I LPT changed while Cluster Manager arena was being checked.**

**Explanation**

During the metadata check, a logical partition table changed.

**Action**

Run the metadata checker again. If this message continues to appear, run the metadata checker with no client activity.

---

**HSTCM0829E Cluster Manager volume partition maps internal error, bad next segment number *cm\_segno* with segment count *cm\_seg\_count***

**Explanation**

The metadata checker found a problem in the volume partition maps table. The error indicates the correct data.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0830E Cluster Manager arena table block size *cm\_arena\_blocksize* should be *cm\_block\_size*.**

**Explanation**

The metadata checker found a problem in the arena table. The error indicates the correct data.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTTM0130I Protocol transaction manager started using *client\_protocol***

**Explanation**

The metadata server is using the specified network protocol to listen for client communication.

**Action**

No action is required. This message is only informational.

---

**HSTGS0183I The Group Service communication system is up and using UDP.**

**Explanation**

This is an information message to indicate that group service is using the UDP protocol.

**Action**

No action is required.

---

**HSTGS0184I OBSOLETE The Group Services communication system is up and using TCP.**

**Explanation**

This is an information message to indicate that group service is using TCP protocol.

**Action**

No action is required.

---

**HSTOP0032E The value for *option\_name* can not be changed.**

**Explanation**

The option specified on the command line is one that cannot be changed. This is by design and is hard coded into the server.

**Action**

No action is required. The option specified was ignored.

---

**HSTCM0831E Check Cluster Manager failure: Cluster Manager filesets table record attach point name is incorrect. Global root fileset should have cluster name *cm\_cluster\_name* as attach point, but has *cm\_name***

**Explanation**

Cluster Manager filesets table root fileset record attach point name is corrupt.

**Action**

System metadata check with repair option will repair this corruption.



---

**HSTCM0832I Check Cluster Manager Salvaging Volume Partion Map**  
**Record: Storage Pool** *cm\_pool\_id (cm\_pool\_name)* , **Disk** *0xcm\_disk\_id* ,  
**Segment** *cm\_segno*

**Explanation**

Informational message that the metadata checker is repairing a volume partition maps table record.

**Action**

No action is required.

---

**HSTCM0833E OBSOLETE Bind error in policy set** *cm\_policy\_set\_name*  
**rule** *cm\_rule\_name*. **Service class** *cm\_service\_class\_name* **is repeated**  
**within this rule.**

**Explanation**

A policy set rule contains two or more references to the same service class.

**Action**

Recreate and use the policy set with the extra service class references removed.

---

**HSTCM0834E Bind error in policy set** *cm\_policy\_set\_name* **rule**  
*cm\_rule\_name*. **Fileset** *cm\_fileset\_name* **is repeated within this rule.**

**Explanation**

A policy set rule contains two or more references to the same fileset.

**Action**

Recreate and use the policy set with the extra service class references removed.

---

**HSTOP0033E A new thread to run the opt callback method could not**  
**be started.**

**Explanation**

There was an error while trying to create a new thread for changing a configuration parameter.

**Action**

If there are no other problems, reissue the command to change the configuration parameter.

---

**HSTGS0185S OBSOLETE Irrecoverable loss of metadata server node**  
*failednode\_name* with **IP:cluster\_port** = *failednode\_ip\_address:*  
*failednode\_port*. **Master node is masternode\_name** with **IP:cluster\_port**  
= *masternode\_ip\_address: masternode\_port* **Local node is local\_name**  
with **IP:cluster\_port** = *local\_ip\_address: local\_port* **Failover**  
**designate node is designate\_name**

**Explanation**

There is an irrecoverable matadata server loss.

**Action**

The defined actions like failover script or admin notification will be started.

---

**HSTCM0835W Error *cm\_result\_code* during attempt to invalidate subordinate partition-map cache for node: *cm\_node\_id*, arena: <*cm\_fileset\_id,cm\_pool\_id*>, partition: *cm\_partition\_id***

**Explanation**

The metadata checker attempts to invalidate subordinate Partition-map cache as a part of LPT record salvage. This invalidation might fail if the fileset is not being served at the time the system metadata check is initiated. This problem might be caused by metadata corruption.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0836W deallocate\_partition() - *cm\_error\_path*, : failed with an index error. RC=*cm\_result\_code*, stgpool=*cm\_pool\_name* (*cm\_pool\_id*), DiskId=*cm\_disk\_id*, Partition=*cm\_partition\_id***

**Explanation**

Internal error occurred while retrieving the partition record for deletion.

**Action**

Retry the command or run the metadata checker on the system metadata.

---

**HSTSC0469E Fileset file object segment header *sc\_message\_header* revert count: *sc\_revert\_count* is incorrect**

**Explanation**

Corruption of a file segment table header field.

**Action**

Run metadata check in salvage mode to fix this problem.

---

**HSTSC0470E OBSOLETE Too many duplicate blocks. Run check again.****Explanation**

The metadata checker has encountered numerous duplicate blocks and stopped keeping track of them. Run the metadata check command again to finish.

**Action**

Run the metadata check command again.

---

**HSTCK0027I Check fileset *fsck\_fileset\_name*****Explanation**

Metadata checker fileset check start message on the subordinate.

**Action**

No action is required.

---

**HSTFS0061E Unable to lock page. Error code *result\_code*  
fileset=*fs\_fileset\_id* Metadata checker temporary FS Map root  
page=*fs\_page\_number*****Explanation**

The metadata checker was unable to lock a database page. This is likely caused by a conflict with another application.

**Action**

Run the metadata check again.

---

**HSTSC0471E Object *sc\_object\_id* in fileset *sc\_fileset\_id* has  
invalid type *invalid\_type*.****Explanation**

After loading an object from persistent storage, the object type (such as file, directory, and symbolic link) was invalid. As a result, the object could not be loaded.

**Action**

Run the metadata checker on the system metadata for the specified fileset.

---

**HSTCM0837E Cluster Manager *cm\_object\_name* table setName field *cm\_setname\_field* should be 0 or 1.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0838E Cluster Manager *cm\_object\_name* table newName field *cm\_fileset\_name* does not match with the fileset name *cm\_fileset\_name***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0839I Command failed for fileset *cm\_fileset\_name* because fileset is in grace period.**

**Explanation**

The metadata server provides clients with a grace period to establish their locks after a server failure. Metadata changing administrative commands are not permitted during this grace period.

**Action**

Run the command again after one minute.

---

**HSTCM0840E Update fileset name on the subordinate failed with RC = *cm\_result\_code*. Fileset *cm\_fileset\_name* (*cm\_fileset\_id*) to new name = *cm\_fileset\_name***

**Explanation**

The master asked a subordinate to update a fileset name, but the operation failed.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTHA0065I OBSOLETE Launching failover script:**

*failover\_script\_cmdline*

**Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

**Action**

No action is required. Review the server and cluster logs to determine if the failover action was successful. The action will vary depending on whether the lost node was the master server or a subordinate, and the workloads of the lost node and the designated failover node.

---

**HSTHA0069E OBSOLETE Failover script launch failed with return code: *return\_code* Look in /usr/tank/server/log/log.failover for details. If it does not exist then look in /var/log/messages for more details. NOTE: The failover script will do nothing if its not enabled. Refer to SAN File System documentation for information on how to enable it.****Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

**Action**

View log.std and log.failover to determine what failed. The action will vary depending on whether the lost node was the master server or a subordinate, and on the workloads of the lost node and the designated failover node.

---

**HSTHA0070I OBSOLETE Unable to fork failover script execution thread.****Explanation**

The metadata server was unable to create a thread to execute the failover script.

**Action**

View the server logs.

---

**HSTGS0186I OBSOLETE Local node *local\_name*, has detected the loss of master node *mast\_name* but the local node is not in the current group. No action.****Explanation**

When a subordinate metadata server detects the irrecoverable loss of the master metadata server, it might execute an HA failover action script. When a subordinate

initializes, but is in a network partition or detects that it is in a partition and the master has already re-formed the group, it does not attempt to execute the failover script but simply prints a log message.

### Action

No action is required. View the server and cluster logs. If the network partition is repaired and connectivity with the master is restored, the subordinate will automatically rejoin the cluster.

---

**HSTCM0841E Recover node assignment: Stopping master server as inconsistent node is found in the cluster. Inconsistent node id = *cm\_node\_id* Wal volume id= (*cm\_wal\_volume\_id*) Wal version= (*cm\_wal\_version*) offendingAction= (*cm\_offend\_action*) foundAction= (*cm\_found\_action*)**

### Explanation

Master server recovers node assignment from all of the nodes during the start workload after the cluster formation is complete. Currently the master server cannot shut down the inconsistent node. The master server must quit.

### Action

Perform the following actions.

1. Reboot the inconsistent node.
2. Start the master server.
3. Start the inconsistent node.

If you are still getting this failure, contact your service representative.

---

**HSTCM0842W Storage pool not found, stgpoolId = *cm\_pool\_id*. RC = *cm\_result\_code*.**

### Explanation

This message indicates an internal error. The master was asked by a subordinate to look up a specified storage pool ID, but it was not found.

### Action

If you are not sure what caused this message, contact your service representative.

---

**HSTCM0843E Addserver: Failed. The cluster is in transition, run this command later.**

### Explanation

Cannot add a server while the cluster is in transition.

### Action

Retry the operation after cluster transition finishes.

---

**HSTCM0844E Dropserver: Failed. The cluster is in transition, run this command later.**

### Explanation

Cannot drop a server while the cluster is in transition.

### Action

Retry the operation after cluster transition concludes.

---

**HSTCM0845E Shutdownserver: Failed. The cluster is in transition, run this command later.**

### Explanation

Cannot shutdown a server while the cluster is in transition.

### Action

Retry the operation after cluster transition concludes.

---

**HSTDB0033S Long Transaction Aborted : TSN = *db\_txn\_id* startUSN = *db\_log\_usn*, numUpdates=*db\_num\_updates*. The stack of the long transaction thread will be dumped in log.dmp**

### Explanation

The metadata server stopped a long transaction.

### Action

If you are not sure what caused this message, contact your service representative.

---

**HSTDB0034W Long Transaction update Alert : TSN = *db\_txn\_id*, startUSN=*db\_log\_usn*, currentUSN=*db\_log\_usn*, numUpdates=*db\_num\_updates*, WAL-Size=*db\_wal\_size*. The stack of the long transaction thread will be dumped in log.dmp**

### Explanation

The metadata server detected a potentially long transaction.

### Action

This is just a warning alert. Be aware of possible long transaction exits. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTDB0035W Long Transaction end Alert : TSN = *db\_txn\_id*, startUSN=*db\_log\_usn*, currentUSN=*db\_log\_usn*, numUpdates=*db\_num\_updates*, WAL-Size=*db\_wal\_size*. The stack of the long transaction thread will be dumped in log.dmp**

**Explanation**

The metadata server detected a potentially long transaction.

**Action**

This is just a warning alert. Be aware of possible long transaction exits. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0846E CM Master: *isFilesetOnStoragePool()* - fetch arena failed with rc *cm\_rc***

**Explanation**

This message indicates an internal error. An error occurred while verifying the existence of an arena.

**Action**

Retry the operation and if the error occurs again, contact your service representative.

---

**HSTPG0076I Failed to reserve disk space for the log, *log\_file\_name*, due to error *ras\_result\_code*. Disk reservation for this log will be disabled.**

**Explanation**

This error generally occurs when the server is attempting to reserve disk space in the log volume, but is unable to complete the operation.

**Action**

Ensure that the log volume has a minimum of 1.5 GB of free space when starting the server.

---

**HSTPG0077I Asynchronous disk reservation for the log, *log\_file\_name*, has completed successfully.**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.



---

**HSTTM0131W Revoke datalocks: No threads are available to process the data lock demand. Object ID=*object\_id*, Demanded mode=*demand\_mode***

**Explanation**

The server was unable to respond to a data lock demand because there were no threads available to service the request.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0847E Cluster Manager policy set table: Policy set name *cm\_name* is not valid.**

**Explanation**

The metadata checker has found a problem with a policy set name.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0848E Cluster Manager policy set table: Storage pool rule count is in error. The count was *cm\_rule\_count* and should have been *cm\_rule\_count*.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0849E Cluster Manager policy set table: Pre-Alloc rule count is in error. The count was *cm\_rule\_count* and should have been *cm\_rule\_count*.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0850E Cluster Manager policy set table *cm\_table*: Reserved field is in error. The value was *cm\_rule\_count* and should have been 0.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0851E Cluster Manager policy set table: Policy set *cm\_name* is not the default policy set.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0852E Cluster Manager policy set table: Policy set *cm\_name* should be the default policy set.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0853E Cluster Manager policy set table: Policy set *cm\_policy\_name* does not have any text.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0854E OBSOLETE Cluster Manager policy set text table: Policy set id *cm\_policy\_id* text segment count *cm\_seg\_count* should have been *cm\_seg\_count***

**Explanation**

The metadata checker found a problem with a policy set text.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0855E OBSOLETE Cluster Manager policy set text table: Policy set id *cm\_policy\_id* text length *cm\_policy\_text\_len* should have been *cm\_policy\_text\_len***

**Explanation**

The metadata checker found a problem with a policy set text.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0856E Cluster Manager policy set fileset applicability table: Fileset applicability count *cm\_appl\_count* should have been *cm\_appl\_count*.**

**Explanation**

The metadata checker found a problem with a policy set.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0857E Cluster Manager policy set service class applicability table: Service class applicability count *cm\_appl\_count* should have been *cm\_appl\_count*.**

**Explanation**

The metadata checker found a problem with a policy set.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0858E OBSOLETE Cluster Manager policy set service class rule table: Rule name *cm\_name* is not valid.**

### Explanation

The metadata checker found a problem with a policy set service class rule name.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0859E Cluster Manager policy set storage pool rule table: Rule name *cm\_name* is not valid.**

### Explanation

The metadata checker found a problem with a policy set storage pool rule name.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0860E OBSOLETE Cluster Manager policy set table service class rule table: Rule count *cm\_rule\_count* should have been *cm\_rule\_count*.**

### Explanation

The metadata checker found a problem with a policy set.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0861E OBSOLETE Cluster Manager policy set table storage pool rule table: Rule count *cm\_rule\_count* should have been *cm\_rule\_count*.**

### Explanation

The metadata checker found a problem with a policy set.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0862E Cluster Manager policy set text table: Policy set text *cm\_policy\_id* fails syntax check.**

### Explanation

The metadata checker found a problem with the syntax in a policy set.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0863I Destroying Cluster Manager policy sets record: <PolicyId=*cm\_policy\_name*>**

### Explanation

The metadata checker found a problem with a policy set and removed it.

### Action

Recreate the policy set.

---

## **HSTCM0864I Replacing Cluster Manager policy sets record: <PolicyId=*cm\_policy\_name*>**

### Explanation

The metadata checker found a problem with a policy set and repaired it.

### Action

Make sure the policy set is correct.

---

## **HSTSC0472I The storage pool for the file has been changed, OldStgPoolId = *cm\_pool\_id* OldStgPoolName = *cm\_pool\_name* NewStgPoolId = *cm\_pool\_id* NewStgPoolName = *cm\_pool\_name* OID = *sc\_object\_id***

### Explanation

The storage pool for the file was changed because the old storage pool no longer exists.

### Action

The file data is now stored in the default pool instead of the original pool because that pool no longer exists.

---

**HSTSC0473I Deleted directory key with name *sc\_object\_name* for salvage.**

**Explanation**

The metadata checker salvaged a corrupted object by deleting it.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0474E Salvage directory key with name *sc\_object\_name* failed with error *sc\_result\_code*.**

**Explanation**

The metadata checker failed to salvage a corrupted object.

**Action**

View the logs on the specified server to view details of the metadata corruption. You might need to restore the object from a backup.

---

**HSTFS0062E Fileset free space map leaf bits  
*0xfs\_free\_space\_bit\_mask* should be *0xfs\_free\_space\_bit\_mask*  
Fileset=*fs\_fileset\_name* (*fs\_fileset\_id*), FS Map page=*fs\_page\_number*  
Vector index=*fs\_vector\_index***

**Explanation**

The metadata checker detected that the free space bit map bits are incorrect.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTLV0193E OBSOLETE LVM: verify\_volumes: Number of LVM disks  
(*DiskTableCount*), != number of GIO disks (*SystemDiskCount*).**

**Explanation**

The server did not find the correct number of system disks. The log message indicates the number that it expects (LVM disks) and the number that it actually found (GIO disks).

**Action**

Make sure that the SAN is functioning correctly and that all expected disks are available.

---

**HSTLV0194E OBSOLETE LVM: verify\_volumes: An unexpected user disk was found: disk ID = *diskID*.**

**Explanation**

The server expected to find a system disk, but found one that is labeled as a user disk.

**Action**

Make sure that the reported disk is available and is the correct type.

---

**HSTLV0195E OBSOLETE LVM: verify\_volumes: The server did not find the system disk with the disk ID of *diskID*.**

**Explanation**

The server expected to find a system disk that was not found on the SAN.

**Action**

Make sure that the reported disk is available.

---

**HSTCM0865W CM: verify\_volumes: The server found a disk, disk ID = *diskID*, that is not labeled as a user disk.**

**Explanation**

The server expected to find a user disk, but found a disk that was labeled as a system disk.

**Action**

Make sure that the reported disk is the correct type.

---

**HSTCM0866W CM: verify\_volumes: An expected user disk, disk ID = *diskID*, was not found on the SAN.**

**Explanation**

The server expected to find a user disk that was not found on the SAN.

**Action**

Make sure that the reported disk is available.

---

**HSTCM0867W CM: verify\_volumes: The scan of the volumes table returned an error. RC = *return\_code*.**

**Explanation**

An error was encountered while retrieving records from the volume table. The scan will be done again at the next cluster transition.

### Action

This error by itself is not serious and is most likely the result of another problem. View the logs to determine if more critical errors have occurred.

---

**HSTGS0187I OBSOLETE The subordinate is attempting to become the new master node.**

### Explanation

The setmaster command was issued on a subordinate node.

### Action

No action is required. Review the logs to verify that the subordinate has become the new master node and re-formed the new group.

---

**HSTSC0475E Salvage Free Space Map Leaf failure: Commit transaction failed with Error = *sc\_result\_code*. Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number***

### Explanation

This message indicates an internal error. An error occurred while committing transaction for salvaging free space map leaf.

### Action

Retry the operation. If the error occurs again, contact your service representative.

---

**HSTCM0868E OBSOLETE *undo\_fileset\_detach()* of fileset *cm\_fileset\_name* (*cm\_fileset\_id*) failed with *cm\_result\_code*. Try using *attachfileset cm\_fileset\_name***

### Explanation

This message indicates an internal error. An error occurred while trying to revert from a failed fileset detach.

### Action

Retry the operation. If the error occurs again, contact your service representative.

---

**HSTCM0869E CM Redo Actions table, Delete filesetId = (*cm\_fileset\_id*) found in filesets table.**

### Explanation

Metadata checker found a fileset entry in the fileset table.

### Action

Run metadata checker in repair mode to correct the problem.



---

**HSTCM0870E Cluster Manager storage pool table: Storage pool name *cm\_name* is not valid.**

**Explanation**

The metadata checker found a problem with a storage pool name.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0871E Cluster Manager storage pools table storage pool default flag is *cm\_is\_default* for storage pool *cm\_stg\_pool\_name* id = *cm\_stg\_pool\_id*. Default storage pool Id should be *cm\_stg\_pool\_id*.**

**Explanation**

The metadata checker found a problem with a storage pool default flag.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0872E Salvage Cluster Manager *cm\_table\_string* record failure: Insert/replace into table failed with error *cm\_result\_code***

**Explanation**

The metadata checker was trying to salvage a record and was unable to replace it.

**Action**

Repeat the metadata check. If the error persists, contact your service representative.

---

**HSTCM0873I Salvage Cluster Manager default storage pool, new default storage pool *cm\_stgpool\_id* Id *cm\_stgpool\_id***

**Explanation**

The metadata checker has chosen the specified storage pool to be the default.

**Action**

Verify the default storage pool is correct.

---

**HSTCM0874I Salvage Cluster Manager default storage pool, creating new default storage pool.****Explanation**

The metadata checker created a new storage pool to be the default because the table was empty.

**Action**

Verify the default storage pool is correct.

---

**HSTCM0875E Salvage Cluster Manager create of new default storage pool failed. Error code = *cm\_result\_code*.****Explanation**

The metadata checker failed to create a new default storage pool when the table was empty.

**Action**

Repeat the metadata check. If the error persists, contact your service representative.

---

**HSTTM0133E Metadata fileset salvage failed on rescan.****Explanation**

Metadata checker detected that it could not salvage the fileset in two passes. This could mean that the fileset has a corruption that causes cascaded salvage of objects in every pass.

**Action**

Retry the operation. If the error occurs again, contact your service representative. The fileset might be severely corrupted and need to be removed. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0876I Correcting Cluster Manager arenas table record LPT root. New root = *cm\_root\_page*****Explanation**

The metadata checker has repaired the logical partition table root.

**Action**

Rerun the metadata checker to ensure that no further corruption exists.

---

**HSTBT0009S Check Root check isPageAllocated failed, error code *cm\_result\_code*.**

**Explanation**

The metadata checker has found a problem when checking the root page.

**Action**

Run the metadata checker again. If the error persists, contact your service representative.

---

**HSTBT0010S Root page is not a valid page.**

**Explanation**

The metadata checker found a problem when checking the root page.

**Action**

Run the metadata checker again in salvage mode to repair the error. This error will be reported again; however, the error will be repaired.

---

**HSTCM0877I Destroying Cluster Manager logical partition table.**

**Root = *cm\_root\_page***

**Explanation**

The metadata checker is destroying a logical partition table.

**Action**

Rerun the metadata checker to ensure that no further corruption exists.

---

**HSTCM0878E Cluster Manager arena table totals check failed to find storage pool *cm\_stgpool\_id*.**

**Explanation**

The metadata checker found a problem with an arena. The storage pool record is missing.

**Action**

Run the metadata checker in salvage mode to try to repair the problem.

---

**HSTCM0879E Check Cluster Manager failure: Cluster Manager arenas table record allocation size *cm\_alloc\_size* is incorrect. It should be *cm\_alloc\_size*.**

**Explanation**

The metadata checker found a problem with an arena. The allocation size is incorrect.

**Action**

Run the metadata checker in salvage mode to try to repair the problem.

---

**HSTCM0880I Salvaging Cluster Manager arena record: Arena fileset=*cm\_fileset\_name (cm\_fileset\_id)*, stgpool=*cm\_pool\_name (cm\_pool\_id)*.**

**Explanation**

The metadata checker found a problem with an arena and repaired it.

**Action**

Run the metadata checker again to ensure that no further corruption exists. Run the metadata checker on the fileset in question to ensure that no corruption exists in the fileset.

---

**HSTCM0881E Check Cluster Manager failure: Cluster Manager arenas table record capacity2 *cm\_capacity* is incorrect. It should be *cm\_partition\_highest*.**

**Explanation**

The metadata checker found a problem with an arena. The backup capacity field is incorrect.

**Action**

Run the metadata checker in salvage mode to try to repair the problem.

---

**HSTCM0882E Cluster Manager logical partitions table LPT number *cm\_partition\_number* is beyond the arena capacity *cm\_partition\_number*.**

**Explanation**

The metadata checker found a problem in a logical partition table. The error indicates the correct data.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0478E Salvage directory object, removing directory entry.**  
**Directory object *sc\_object\_id* entry object *sc\_object\_id***

**Explanation**

The metadata checker salvaged a directory. The directory was corrupt and needed to be salvaged to solve and prevent errors. There should be a message before this one describing the problem found.

**Action**

Users of the objects in the directory should be notified.

---

**HSTSC0479E Fileset directory object parent directory incorrect**  
***return\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0480I Deleted object *sc\_object\_id* for salvage.**

**Explanation**

The metadata checker has salvaged a corrupted object by deleting it.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0481E Metadata fileset salvage done too many times on same object *sc\_object\_id*.**

**Explanation**

Metadata checker detected that it could not salvage the object in five consecutive passes.

**Action**

Retry the operation and if the error recurs, contact your service representative. The object might be severely corrupted and might need to be removed.

---

**HSTTM0135E FlashCopy cleaner: Unable to clean object *cm\_object\_id* in fileset *cm\_fileset\_name*, RC = *om\_result\_code***

**Explanation**

An error occurred while trying to perform garbage collection on removed FlashCopy images. As a result an object could not be processed.

**Action**

Contact your service representative.

---

**HSTSC0482E FlashCopy cleaner: Internal Error: Entry still exists for object *cm\_fileset\_id.cm\_object\_id.\**, BirthEpochId: *sc\_epoch\_id*, DeathEpochId: *sc\_epoch\_id***

**Explanation**

An internal error occurred while trying to perform garbage collection on removed FlashCopy images. An object had been reported as successfully processed, however subsequent verification found unprocessed records.

**Action**

Contact your service representative. Do not execute the mkimage command until you contact your service representative.

---

**HSTSC0483I FlashCopy cleaner: Do not execute the mkimage command on fileset *cm\_fileset\_name* until you have contacted your service representative.**

**Explanation**

Contact your service representative before you execute the mkimage command on the specified fileset.

**Action**

Contact your service representative. Do not execute the mkimage command until you contact your service representative.

---

**HSTSC0484I FlashCopy cleaner: Do not execute the reverttoimage command on fileset *cm\_fileset\_name* until you have contacted your service representative.**

**Explanation**

Contact your service representative before you execute the reverttoimage command on the specified fileset. You can execute the mkimage command as long as you do not execute the reverttoimage command first.

### Action

Contact your service representative. Do not execute the `reverttoimage` command until you contact your service representative.

---

## HSTSC0485I FlashCopy cleaner: Contact your service representative. *cm\_fileset\_name*.

### Explanation

Contact your service representative. IBM recommends that you run the `checkmetadata` command.

### Action

Contact your service representative.

---

## HSTCM0884E Server *gs\_node\_name* (*cm\_node\_id*) has one or more filesets in a lock grace period.

### Explanation

This server has at least one fileset in a lock grace period. Locks cannot be revoked at this time, meaning the cluster cannot go to quiescent mode.

### Action

Wait until the grace periods have expired and try the command again.

---

## HSTSC0486E Object attribute checksum is incorrect.

### Explanation

The metadata checker has found a problem with an object's attribute checksum.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## HSTSC0487E Inline STE bit vector is incorrect.

### Explanation

The metadata checker found a problem with the file extent list. File objects have bit vectors used to record the current status of the blocks in the file. There is a bit vector for live blocks and a bit vector for shared blocks. The problem is related to the current value of the file live bit vector or shared bit vector.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTTM0136I FlashCopy cleaner: processing fileset *cm\_fileset\_name*.****Explanation**

The FlashCopy cleaner has started cleaning the specified fileset.

**Action**

No action is required.

---

**HSTTM0137I FlashCopy cleaner: finished processing fileset *cm\_fileset\_name*.****Explanation**

The FlashCopy cleaner has finished cleaning the specified fileset.

**Action**

No action is required.

---

**HSTSC0488E Fileset file object segment header *sc\_error\_message* storage pool id: *cm\_stg\_pool\_id*****Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged. This message reports the segment header storage pool ID.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0489I Block at vbn *cm\_virtual\_block\_number* in file *cm\_fileset\_id.cm\_object\_id* is corrupt and needs to be salvaged.****Explanation**

The block at the specified offset in the specified file is corrupt and the file needs to be salvaged.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0490I Block salvaged at vbn *cm\_virtual\_block\_number* in file *cm\_fileset\_id.cm\_object\_id*****Explanation**

The block at the specified offset in the specified file was salvaged.



### **Action**

A corrupt block in the file has been removed from the file. Recreate the file or restore it from backup.

---

### **HSTSC0491I OBSOLETE Block count salvaged for file**

*cm\_fileset\_id.cm\_object\_id*

#### **Explanation**

The block count for the specified file was salvaged.

#### **Action**

No action is required.

---

### **HSTSC0493E FlashCopy cleaner: Error *sc\_result\_code* returned while cleaning object *cm\_fileset\_id.cm\_object\_id.\** in fileset *cm\_fileset\_name*.**

*cm\_fileset\_name*.

#### **Explanation**

An error was encountered while the FlashCopy cleaner was cleaning an object.

#### **Action**

If this error persists, contact your service representative.

---

### **HSTSC0494I OBSOLETE Directory entry removed for missing object**

*cm\_fileset\_name cm\_object\_id* from directory *cm\_object\_id*

#### **Explanation**

The metadata checker salvaged a directory because an entry referenced an object that does not exist.

#### **Action**

No action is required.

---

### **HSTSC0495I Directory entry should be removed for missing object**

*cm\_fileset\_name cm\_object\_id* from directory *cm\_object\_id*

#### **Explanation**

The metadata check is in scan only mode. The directory is corrupt because an entry references an object that does not exist. It needs to be salvaged to solve and prevent errors.

#### **Action**

To salvage the object, run the metadata checker in salvage mode.

---

**HSTSC0496E Salvage object *sc\_fileset\_name* *sc\_object\_id*****Explanation**

The metadata checker salvaged an object. The object was corrupt and needed to be salvaged to solve and prevent errors. There should be a message before this one describing the problem found.

**Action**

Notify users of the object. Salvage implies that the object is set to a consistent state. It does not imply that the object is set to a previous state. You might need to recover the object from backup.

---

**HSTSC0497E Object *sc\_fileset\_name* *sc\_object\_id* should be salvaged****Explanation**

The metadata checker is in scan only mode. The object is corrupt and needs to be salvaged to solve and prevent errors. There should be a message before this one describing the problem found.

**Action**

Notify users of the object. To salvage the object, run the metadata checker in salvage mode.

---

**HSTFS0063E Free Space Map: deallocation requested for unallocated blocks, index id: *0xfs\_index\_id*, start: *0xfs\_start\_block*, count: *fs\_block\_count*.****Explanation**

A request was made to deallocate a block from a user storage pool, but the block was not allocated.

**Action**

Contact your service representative.

---

**HSTSC0498E Block deallocation failed. Fileset: *sc\_fileset\_name*, storage pool: *sc\_storage\_pool\_name*, Arena: *sc\_fileset\_id:sc\_storage\_pool\_id*, File: *sc\_object\_id*, segment: *sc\_segment\_number*, rbn: *sc\_relative\_block\_number*, arena offset: *sc\_arena\_offset*, count: *block\_count*, error: *sc\_result\_code*****Explanation**

A request was made to deallocate a block from a user storage pool, but the block was not allocated.

### **Action**

Contact your service representative.

---

**HSTGS0188I OBSOLETE The Master has been manually stopped. Failover action will occur since it is enabled. Check the failover log for details.**

### **Explanation**

When we issue stopserver on the master, it is an administrative shutdown rather than a loss. If failover is enabled, the failover script is executed.

### **Action**

No action is required, but review server and cluster logs.

---

**HSTGS0189I OBSOLETE The master has been manually stopped. Failover action will not occur since it is disabled.**

### **Explanation**

When we issue stopserver on the master, it is an administrative shutdown rather than a loss. If failover is disabled, the failover script is not executed.

### **Action**

No action is required, but review server and cluster logs.

---

**HSTGS0190I OBSOLETE IRRECOVERABLE LOSS BUT FAILOVER DISABLED, no action**

### **Explanation**

If failover policy is disabled, automatic recovery is not initiated.

### **Action**

No action is required, but review server and cluster logs.

---

**HSTSC0499E Fileset symbolic link table data version for key = *sc\_object\_id* is not valid. The invalid version is *scSymLinkTable\_Version* , but valid version is *scSymLinkTable\_Version*.**

### **Explanation**

The metadata checker found the version field in a symlink table entry to be invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0500E Failed to replace a symbolic link table entry for key = *sc\_object\_id* , RC = *om\_result\_code***

### Explanation

The metadata checker was unable to replace a symlink table entry to be invalid.

### Action

Retry the operation. If the error recurs, contact your service representative.

---

**HSTSC0501I Deleted directory name key with name *sc\_object\_name* for salvage.**

### Explanation

The metadata checker salvaged a corrupted object by deleting it.

### Action

View the logs on the specified server to view details of the metadata corruption and repair.

---

**HSTSC0502E Salvage directory name key with name *sc\_object\_name* failed with error *sc\_result\_code*.**

### Explanation

The metadata checker failed to salvage a corrupted object.

### Action

View the logs on the specified server to view details of the metadata corruption. You might need to restore the object from a backup.

---

**HSTSC0503E The version number is incorrect for STSD data table entry. Object ID=*CM::LocalId* Incorrect version = . Correct version =**

.

### Explanation

The metadata checker detected a corrupted version field in an STSD data table record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0504E Replace record failed during salvage in an STSD data table record. Object ID = *CM::LocalId* rc = *sc\_result\_code*. failed with error**

### Explanation

Replace record failed during salvage in an STSD data table record.

### Action

View the logs on the specified server to view details of the metadata corruption. You might need to restore the object from a backup.

---

**HSTSC0505E The version number is incorrect for STSD hash table entry. Object ID=*CM::LocalId* Incorrect version = . Correct version = .**

### Explanation

The metadata checker detected a corrupted version field in an STSD hash table record.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0506E Replace record failed during salvage in an STSD hash table record. Object ID = *CM::LocalId* rc = *sc\_result\_code*. failed with error**

### Explanation

Replace record failed during salvage in an STSD hash table record.

### Action

View the logs on the specified server to view details of the metadata corruption. You might need to restore the object from a backup.

---

**HSTSC0507E Fileset STSD data table key segment number is not valid****Explanation**

The metadata checker detected a corrupted version field in an STSD data table record.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0508E Fileset symlink table entry missing 1 or more objects****Explanation**

The metadata checker detected that a symlink overflow table record had an entry in which the number of referencing objects did not match the number of live images.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0509E Fileset STSD data table entry missing 1 or more objects****Explanation**

The metadata checker detected that an STSD data table record had an entry in which the number of referencing objects did not match the number of live images.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0510E Fileset STSD hash table entry missing 1 or more objects****Explanation**

The metadata checker detected that an STSD hash table record had an entry in which the number of referencing objects did not match the number of live images.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTGS0191E OBSOLETE The setmaster operation is not supported by the software version the cluster is running (gs\_version=gs\_version).**

**Explanation**

The release 1.0 capability of manually setting the static master metadata server is not allowed in releases that support a dynamic master election model.

**Action**

No action is required. Refer to the documentation relating to dynamic master election.

---

**HSTGS0192I Subordinate metadata server *s\_name* has lost the master metadata server *m\_name*. Attempting to become the new master.**

**Explanation**

A subordinate metadata server lost contact with the master metadata server and is attempting to become the new cluster master.

**Action**

View the cluster logs to verify that the fault causing the loss of the cluster master has been resolved. Refer to the documentation about dynamic master election.

---

**HSTGS0193W A cluster transition was attempted while another transition is in progress.**

**Explanation**

A cluster transition was attempted while another transition was already in progress. Transition request rejected.

**Action**

No action required.

---

**HSTGS0194I A cluster transition has been initiated**

**Explanation**

A cluster transition has been initiated.

**Action**

No action required. Informational only.

---

**HSTGS0195I Failed to get the cluster quorum. This metadata server will not become the master metadata server.**

**Explanation**

A node failed to acquire the cluster quorum to allow it to reform the cluster as master.

**Action**

No action required. This is expected behavior in cases where more than one node is attempting to become the cluster master.

---

**HSTGS0196I Subordinate metadata server has acquired cluster quorum and is demoting the master.**

**Explanation**

A Subordinate metadata server successfully acquired the cluster quorum and demoted the existing master metadata server. This subordinate will become the new cluster master and reform the cluster with reachable peer metadata server.

**Action**

No action required. Informational only.

---

**HSTGS0197E This metadata server does not have IP network connectivity for IP addr *ip*.**

**Explanation**

A metadata server is attempting to reform the cluster and has detected that it does not have IP network connectivity. A metadata server without network connectivity cannot reform the cluster.

**Action**

Verify that the network interface that the IP address is bound to is physically connected to the network and that the interface has been started.

---

**HSTGS0198I Received the addserver message from the master metadata server. The local metadata server is being added.**

**Explanation**

A metadata server that has not been added received notification from the master metadata server that it is being added to the cluster.

**Action**

No action. Informational only.



---

**HSTGS0199E Addserver failed due to unsupported GS protocol version. Local metadata server cannot understand the GS version that the cluster is running (*cluster\_ver*).**

**Explanation**

The local metadata server does not understand the GS protocol version that the cluster is currently running. The addserver request has been rejected due to a GS protocol mismatch.

**Action**

Install a version of SAN File System software on the local node that supports the GS protocol version that the cluster is running.

---

**HSTGS0200E The network connectivity check failed because the interface *name (ip)* is not operational.**

**Explanation**

The network connectivity check has determined that the network interface on the SAN File System metadata server engine is not configured correctly.

**Action**

Configure the network interface and make it operational.

---

**HSTGS0201E The network connectivity check failed because the physical link for interface *name (ip)* could not be verified.**

**Explanation**

The network connectivity check has determined that the network interface on the SAN File System metadata server engine is not physically connected.

**Action**

Check the SAN File System engine network components for connectivity.

---

**HSTCM0885E Cluster Manager volumes table flags field *cm\_volume\_flags* should be *cm\_volume\_flags***

**Explanation**

The flags field in a volume record was corrupt.

**Action**

Run the metadata checker again in repair mode to correct the problem.

---

**HSTLV0196E LVM master updateDisk(): Disk is was not larger than previous configuration.**

**Explanation**

A request was made to grow a system disk but the physical disk size has not increased.

**Action**

Verify the disk configuration in the SAN and run the command again.

---

**HSTTM0138E CreateFIFO: Response not delivered, ToClient**  
*tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*,  
FIFO object name *tm\_fifo\_name*

**Explanation**

Response for the create FIFO object request is not delivered to the requesting client due to network error or due to invalid client.

**Action**

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTSC0511E FIFO object file size is incorrect. Current size=**  
*sc\_common\_attrib\_size* **should be equal to** *sc\_common\_attrib\_size*

**Explanation**

The metadatachecker has found a FIFO object with an incorrect file size.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0512E FIFO object common attributes basic block count is**  
**incorrect. Current count=** *sc\_block\_count* **should be equal to**  
*sc\_block\_count*

**Explanation**

The metadatachecker has found a FIFO object with an incorrect block count.

### **Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTDB0036I Real Time Monitor thread has started.**

### **Explanation**

The Real Time Monitor successfully started.

### **Action**

The Real Time Monitor can be used now.

---

## **HSTDB0037E Monitor thread failed to start.**

### **Explanation**

The Real Time Monitor failed to start due to thread startup failure.

### **Action**

Freeing up memory resources should help avoiding this problem.

---

## **HSTDB0038E Socket failed to open in Real Time Monitor.**

### **Explanation**

The Real Time Monitor failed to start due to socket failure.

### **Action**

Verify network configuration.

---

## **HSTDB0039W Real Time Monitor failed to send packet.**

### **Explanation**

The Real Time Monitor failed to send packet over a network.

### **Action**

Verify network configuration.

---

## **HSTCM0886E Request to start long running process request of type *cm\_cmd\_type* on node *cm\_node\_id* failed with error *cm\_result\_code*.**

### **Explanation**

The node failed to successfully submit a request to start a long running process. Examine the error code to determine why.

### Action

If the long running process is part of running an admin command, try the command again. If the long running process was part of an internal command, it is resolved automatically.

---

**HSTLV0197E Request to start long running process request on node *lvm\_node\_id* of type *lvm\_cmd\_type* failed with error *lvm\_result\_code*.**

### Explanation

The node failed to successfully submit a request to start a long running process. Examine the error code to determine why.

### Action

If the long running process is part of running an admin command, run the command again. If the long running process was part of an internal command, it is resolved automatically.

---

**HSTLV0198E Error encountered while sending long running process ping message to node ID = *lvm\_node\_id* for command type = *lvm\_cmd\_type*, RC = *lvm\_result\_code***

### Explanation

The node failed to successfully ping the node serving the long running process request, and cannot determine if progress is still being made on the request.

### Action

The node will try to ping two more times. If they both fail, the long running process will be stopped.

---

**HSTLV0199E Error long running process failed: Cluster failure.**

### Explanation

A cluster transition occurred before the long running process was completed, and the long running process was stopped.

### Action

If the long running process is part of running an admin command, run the command again. If the long running process was part of an internal command, it is resolved automatically.

---

**HSTGS0202I Failover script failed with error code = *error\_code*,**

### Explanation

When a rogue server is detected, a failover script is invoked to shut it down and prevent corruption of metadata and preserve consistency of the cluster.

**Action**

Check the failover log for details.

---

**HSTGS0203I Cluster Failover failed with error code = *error\_code*,****Explanation**

Failover due to a rogue server resulted in an error.

**Action**

Contact Technical Support.

---

**HSTSC0513I Segment table entry *sc\_file\_segment\_virtual\_segment\_no* in file *sc\_container\_name sc\_object\_id* is corrupt and needs to be salvaged.****Explanation**

The segment table entry in the specified file is corrupt and the file needs to be salvaged.

**Action**

Recreate the file or restore it from backup.

---

**HSTSC0514I STE *sc\_file\_segment\_virtual\_segment\_no* salvaged in file *sc\_container\_name sc\_object\_id*****Explanation**

The block at the specified offset in the specified file was salvaged.

**Action**

A corrupt block in the file has been removed from the file. The contents of the file needs to be recreated or restored from backup.

---

**HSTSC0515E Salvage STE *sc\_file\_segment\_virtual\_segment\_no* in file *sc\_container\_name sc\_object\_id*****Explanation**

Some blocks have been lost in the specified file. The file was salvaged and no longer includes them.

**Action**

Recreate the file or restore it from backup.

---

**HSTFS0064E Metadata checker found used space that is not in the free space map FilesetId=*fs\_container\_id***

**Explanation**

Some or all of the salvage messages preceding this message are for blocks that are not in the free space map.

**Action**

Corrupt blocks in some files have been removed from the files. Recreate the files or restore them from backup.

---

**HSTFS0065E Unable to access page *fs\_result\_code*  
FilesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

This message indicates an internal error. The metadata server was not able to access a page that should have been in its buffer cache.

**Action**

View the server logs to determine the cause of the fault. If the cause is not obvious, contact your service representative. If you were running the metadata checker when this error was reported, retry the operation.

---

**HSTFS0066E Unable to lock page. *fs\_result\_code*  
FilesetId=*fs\_container\_id* FS Map root page=*fs\_page\_number***

**Explanation**

The metadata server encountered an error while attempting to lock an index page in its buffer cache.

**Action**

View the server logs to determine the cause of the fault. If the cause is not obvious, contact your service representative. If you were running the metadata checker when this error was reported, retry the operation.

---

**HSTFS0067E Unable to access page *fs\_result\_code*  
FilesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

This message indicates an internal error. The metadata server was not able to access a page that should have been in its buffer cache.

**Action**

View the server logs to determine the cause of the fault. If the cause is not obvious, contact your service representative. If you were running the metadata checker when this error was reported, retry the operation.

---

**HSTFS0068E Unable to lock page *fs\_result\_code***  
**FilesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

The metadata server encountered an error while attempting to lock an index leaf page in its buffer cache.

**Action**

View the server logs to determine the cause of the fault. If the cause is not obvious, contact your service representative. If you were running the metadata checker when this error was reported, retry the operation.

---

**HSTFS0069E Unable to access page *fs\_result\_code***  
**Fileset=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

This message indicates an internal error. The metadata server was not able to access a page that should have been in its buffer cache.

**Action**

View the server logs to determine the cause of the fault. If the cause is not obvious, contact your service representative. If you were running the metadata checker when this error was reported, retry the operation.

---

**HSTFS0070E Unable to apply salvage *fs\_result\_code***  
**FilesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

Unable to apply the salvage operation to disk and write to the log.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0516E Fileset object common attributes basic file size is incorrect. *sc\_common\_attrib\_size* should be *sc\_common\_attrib\_size***

**Explanation**

A directory did not have the right number of entries in it. In salvage mode the directory size will be fixed.

**Action**

If the metadata check is in scan mode, run it in salvage mode to fix the size.

---

**HSTGS0204I OBSOLETE UPGRADE: Group Services is performing an upgrade from version *gs\_current\_ver* to version *gs\_upgrade\_ver***

**Explanation**

The cluster is being upgraded from one software version to another.

**Action**

No action is required. This message is informational only.

---

**HSTGS0205I OBSOLETE UPGRADE: Quorum Disk Lock has been installed during GS upgrade.**

**Explanation**

The cluster is being upgraded from one software version to another.

**Action**

No action is required. This message is informational only.

---

**HSTGS0206I UPGRADE: Group services has completed upgrading from version *gs\_current\_ver* to version *gs\_upgrade\_ver*.**

**Explanation**

The cluster upgrade has completed.

**Action**

No action is required. This message is informational only.

---

**HSTGS0207I UPGRADE: A disruptive cluster scope configuration parameter was updated. This server must go down and restart for the disruptive parameter change to take effect.**

**Explanation**

The local value of a disruptive cluster scoped parameter was found to be out of sync with the master. This node has applied the new setting for the cluster scoped parameter, but must restart in order for that setting to take effect.

**Action**

Ensure that the metadata server stopped, restarted and rejoined the cluster. The restart will only happen automatically if the admin autorestart capability was enabled on this node. To verify the state of autorestart use the `fscli lsautorestart` command.



---

**HSTGS0208E Initializing the shared configuration sectors failed during install, rc= *ret\_code*.**

**Explanation**

The initialization of shared configuration sectors has failed during a SAN File System install.

**Action**

Inspect log files and determine why the metadata server is not able to read/write the system master device that is specified on the command line used to install the SAN File System cluster.

---

**HSTGS0209E Failed to commit the upgrade with error code *ret\_code*.**

**Explanation**

An error occurred while committing VCM during the upgrade cluster command.

**Action**

View the server logs to determine the nature of the fault. Once the reason for the fault is resolved, the upgradecluster command can be issued again.

---

**HSTGS0210E Master metadata server failed to reform the cluster during the upgradecluster operation with error code *ret\_code*.**

**Explanation**

The upgrade cluster operation committed successfully with the Version Control Manager. However, a fault occurred during the subsequent group transition that coordinates the upgrade of all other metadata server components and GS itself.

**Action**

View the server logs to determine the cause of the fault. The upgradecluster command has committed with the Version Control Manager, so the next successful group transition will complete the upgrade automatically, and there is no need to reissue the upgradecluster command.

---

**HSTHA0071I OBSOLETE Unable to fork shutdown script execution thread.**

**Explanation**

The High Availability Manager was unable to create a thread to execute the shutdown script.

**Action**

View the server logs.

---

**HSTHA0072I Stopengine script executed successfully. Look in /usr/tank/server/log/log.stopengine for details. If it does not exist then look in /var/log/messages for more details**

**Explanation**

When a metadata server detects the existence of a rogue server, it executes a stopengine script to shut it down.

**Action**

No action required, review server and cluster logs to verify the stopengine actions.

---

**HSTHA0073E OBSOLETE Stopengine script execution failed with return code: *return\_code* Look in /usr/tank/server/log/log.stopengine for details. If it does not exist then look in /var/log/messages for more details**

**Explanation**

When a metadata server detects the existence of a rogue server, it executes a stopengine script to shut it down.

**Action**

Check log.std and log.stopengine to see what failed.

---

**HSTHA0074I Launching failover script: *stopengine\_script\_cmdline***

**Explanation**

When a metadata server detects the existence of a rogue server, it executes an HA stopengine script to shut it down.

**Action**

No action is required. Review server and cluster logs to see if the stopengine action was successful.

---

**HSTHA0075I OBSOLETE Invalid script type *script\_type***

**Explanation**

**Action**

No action is required. Review server and cluster logs.

---

**HSTGS0211I OBSOLETE The following failover script will be executed:**  
*failover\_script\_cmdline*

**Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

**Action**

No action is required. Review server and cluster logs to see if the failover action was successful. The action will vary depending on whether the lost node was the master server or a subordinate, and depending on the workloads of the lost node and the designated failover node.

---

**HSTGS0212I OBSOLETE Launching failover script:**  
*failover\_script\_cmdline*

**Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

**Action**

No action is required. Review server and cluster logs to see if the failover action was successful. The action will vary depending on whether the lost node was the master server or a subordinate, and depending on the workloads of the lost node and the designated failover node.

---

**HSTGS0213I OBSOLETE The failover script execution completed successfully**

**Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

**Action**

No action is required. Review server and cluster logs to see if the failover action was successful. The action will vary depending on whether the lost node was the master server or a subordinate, and depending on the workloads of the lost node and the designated failover node.

---

**HSTGS0214E OBSOLETE The failover script execution failed with return code: *return\_code***

**Explanation**

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

## Action

Check log.std and log.failover to see what failed. The action will vary depending on whether the lost node was the master server or a subordinate, and depending on the workloads of the lost node and the designated failover node.

---

**HSTGS0215I OBSOLETE Failover script launched successfully for server: *servername*. Look in /usr/tank/server/log/log.failover for details. If it does not exist then look in /var/log/messages for more details NOTE: The failover script will do nothing if its not enabled. Refer to SAN File System documentation for information on how to enable.**

## Explanation

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

## Action

No action is required. Review server and cluster logs to see if the failover action was successful. The action will vary depending on whether the lost node was the master server or a subordinate, and depending on the workloads of the lost node and the designated failover node.

---

**HSTGS0216E OBSOLETE Failover script launch failed for server: *servername* with return code: *return\_code* Look in /usr/tank/server/log/log.failover for details. If it does not exist then look in /var/log/messages for more details NOTE: The failover script will do nothing if its not enabled. Refer to SAN File System documentation for information on how to enable.**

## Explanation

When a metadata server detects the irrecoverable loss of another cluster metadata server, it executes an HA failover action script.

## Action

Check log.std and log.failover to see what failed. The failover action will vary depending on if the lost node was the master server, or a subordinate, and depending on the workload of the lost node and the designated failover node.

---

**HSTGS0217I OBSOLETE Unable to fork failover script execution thread.**

## Explanation

The High Availability Manager was unable to create a thread to execute the failover script.

## Action

See the server logs.

---

### **HSTCM0887W Client *clientName* does not have access to *count* volume(s) in storage pool *stgPoolName*.**

#### Explanation

The specified client can access some but not all volumes in the specified storage pool. The server log contains a list of these volumes.

Applications running on the client might get I/O errors while accessing part or all of a file. If the application does not handle these errors gracefully, data loss or data corruption could result.

#### Action

It is likely that either the client or the SAN is misconfigured. Verify that the client and SAN are properly configured.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM0888W Failed to broadcast get volume information for diskId *0xcm\_disk\_id* RC=*rc***

#### Explanation

An error occurred while requesting volume lists from all clients.

#### Action

The problem might be due to low system resources or network connectivity problems. If this error persists, contact your service representative.

---

### **HSTCM0889W Failed to broadcast get lun information for format '*lunIdFormat*', lunId '*lunId*', RC=*rc***

#### Explanation

An error occurred while requesting information about a lun from all clients.

#### Action

The problem might be due to low system resources or network connectivity problems. If this error persists, contact your service representative.

---

### **HSTCM0890W Failed to broadcast get lun list message, RC=*rc***

#### Explanation

An error occurred while requesting LUN lists from all clients.

### Action

The problem might be due to low system resources or network connectivity problems. If this error persists, contact your service representative.

---

## **HSTCM0891I Unable to use format='lun\_format', lunId='lun\_id' as a system volume. Try again later.**

### Explanation

The specified LUN was previously the target of a mkvol command that failed due to lost client connectivity. Until the metadata server can confirm from the affected client that the previous mkvol is not being processed, this LUN might not be used to create a system volume.

### Action

Use a different LUN for your mkvol command or wait until the LUN is available for use again.

---

## **HSTCM0892W Broadcast of getVolInfo failed with rc=result\_code**

### Explanation

An error occurred while requesting volume lists from all clients.

### Action

The problem might be due to low system resources or network connectivity problems. If this error persists, contact your service representative.

---

## **HSTCM0893W Volume check failed with rc=result\_code**

### Explanation

An unexpected error occurred while scanning the volumes table.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

If this error persists, contact your service representative.

---

## **HSTCM0894W Client *client\_name* sees *count* non-existent volumes.**

### Explanation

The specified client has found one or more LUNs that appear to be labelled as SAN File System volumes, however the LUNs are not configured volumes.

### Action

Verify that the LUNs that the client sees are not part of another SAN File System cluster.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGI0012I Server has access to user volume with diskId *diskID* at *localName*.**

**Explanation**

The server has access to a user volume that it should not be able to access. This indicates that the SAN is not correctly configured.

**Action**

Reconfigure the SAN so that the server does not have access to the specified user volume.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0139W sendMsg to client *client\_name* failed for *message\_name*, rc=*result\_code***

**Explanation**

The server received an error while attempting to send the specified message to a client.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0140W Receive for *message\_name* from client *client\_name* failed with RC=*result\_code*.**

**Explanation**

The server received an error while attempting to receive a response to the specified message from a client.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0141E TMRP: Unable to initialize remote transaction services.**

**Explanation**

An error occurred while initializing the remote transaction service.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0895W OBSOLETE CM: verify\_volumes: The server found a disk, disk ID = *diskID* that is not labeled as a user disk.**

### Explanation

The server expected to find a user disk, but found a disk that was labeled as a system disk.

### Action

Make sure that the reported disk is the correct type.

---

## **HSTCM0896W Server does not have access to *missingCount* volume(s) in user storage pool *stgPoolName***

### Explanation

The server expected to find all of the user volumes in the specified storage pool, but did not find all of them.

### Action

Verify the SAN configuration is correct.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0897I The server has access to all volumes for user storage pool *stgPoolName***

### Explanation

The server has access to all volumes in the specified storage pool.

### Action

Verify that the SAN configuration is correct.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTCM0898I Server has no access to volumes in user storage pool *stgPoolName***

### Explanation

The server does not have access to any volumes in the specified storage pool. This might or might not be a problem depending on your SAN configuration.



### Action

If you expected the server to have access to volumes in the storage pool, then verify the SAN configuration is correct.

---

**HSTCM0899W Server does not have access to volume *volumeName* with diskId=*diskId* in user storage pool *stgPoolName***

### Explanation

The server expected to find all of the user volumes in the specified pool, but is missing the specified disk.

### Action

Verify the SAN configuration is correct.

---

**HSTSC0517E Unexpected index error *sc\_result\_code* inserting back block record for fileset=*sc\_container\_name* (*sc\_container\_id*), blockNo=*sc\_block\_no* storage Pool Id=*sc\_block\_no***

### Explanation

The metadata checker encountered an unexpected error while inserting a record in a bad block list.

### Action

Resolve the error code and try again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0518E Bad block list error rc = *sc\_result\_code* block No rc = *sc\_block\_no* object Id rc = *sc\_object\_id* storage pool id rc = *sc\_storage\_pool\_id*.**

### Explanation

The metadata checker could not add a block to the bad block list.

### Action

Resolve the error code and run the metadata check command again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0519E Unexpected index error *sc\_result\_code* inserting back block record for fileset=*sc\_container\_name* (*sc\_container\_id*), blockNo=*sc\_block\_no* storage\_pool Id=*sc\_storage\_pool\_id***

**Explanation**

The metadata checker encountered an unexpected error while inserting a record in a bad block list.

**Action**

Resolve the error code and try again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0520E Deallocate bad block failed Storage pool id *sc\_stgPool\_id*, Block Number *sc\_block\_id*, Error code *sc\_result\_code***

**Explanation**

The metadata checker encountered an unexpected error while cleaning up the bad block list.

**Action**

Resolve the error code and try again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0521E Fileset anchor record reserved field is not correct for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). reserved: *0xsc\_anchor\_reserved* reserved1:*0xsc\_anchor\_reserved***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0900E OBSOLETE Service class not found, svcClassId = *cm\_svcclass\_id*. RC = *cm\_result\_code*.**

**Explanation**

This message indicates an internal error. The master was asked by a subordinate to lookup a specified service class ID, but it was not found.

### Action

If you unable to determine the cause of this message, contact your service representative.

---

## **HSTCM0901E Error *cm\_result\_code* sending StatFile message to node *cm\_node\_id***

### Explanation

The master server was unable to send a StatFile message to a subordinate server.

### Action

Verify that all servers are operational and communicating.

---

## **HSTCM0902E Error *cm\_result\_code* in StatFile message response**

### Explanation

An error occurred on a StatFile message sent to a subordinate server.

### Action

Verify that the file path specified in the StatFile command is correct and that the file exists. If this error persists, examine the log for other errors or contact your service representative.

---

## **HSTCM0903E OBSOLETE Error *cm\_result\_code* processing assign service class.**

### Explanation

There was some problem assigning a service class to a file.

### Action

If you are unsure of what is causing this message, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

## **HSTCM0904E Fileset *cm\_fileset\_name* was not found for an administrative command, RC = *cm\_result\_code*.**

### Explanation

The specified fileset does not exist.

### Action

Make sure the correct fileset name is specified on the command.

---

**HSTCM0905E Node serving fileset *cm\_fileset\_name* was not found, RC = *cm\_result\_code*.**

**Explanation**

The specified fileset was not served by an active node.

**Action**

Make sure fileset is attached and is served by an active node.

---

**HSTCM0906E Find referenced rules for fileset *cm\_fileset\_name* failed with RC = *cm\_result\_code*.**

**Explanation**

An error occurred while searching for the policy set rules referenced by the specified fileset.

**Action**

No additional information is available for this message.

---

**HSTCM0907E Find referenced storage pools for fileset *cm\_fileset\_name* failed with RC = *cm\_result\_code*.**

**Explanation**

An error occurred while searching for the policy set rules referenced by the specified fileset.

**Action**

No additional information is available for this message.

---

**HSTCM0908E Error *cm\_result\_code* sending Get Policy Set Stats message to node *cm\_node\_id***

**Explanation**

The master server was unable to send a Get Policy Set Stats message to a subordinate server.

**Action**

Verify that all servers are operational and communicating.

---

**HSTCM0909E Error *cm\_result\_code* in Get Policy Set Stats message response**

**Explanation**

An error occurred on a Get Policy Set Stats message.

### Action

Verify that all servers are operational and communicating.

---

## **HSTCM0910E Error *cm\_result\_code* sending Get Storage Pool Assignments message to node *cm\_node\_id***

### Explanation

The master server was unable to send a Get Storage Pool Assignments message to a subordinate server.

### Action

Verify that all servers are operational and communicating.

---

## **HSTCM0911E Error *cm\_result\_code* in Get Storage Pool Assignments message response**

### Explanation

An error occurred on a Get Storage Pool Assignments message.

### Action

Verify that all servers are operational and communicating.

---

## **HSTGS0218E OBSOLETE Unable to write a disk based message. My Node Id = *node\_id***

### Explanation

Disk based message failed.

### Action

View the server logs.

---

## **HSTGS0219I ----- INTERNAL SHUTDOWN ----- initiated by new Master = *master\_server***

### Explanation

Disk based message failed.

### Action

View the server logs.

---

**HSTGS0220E Failed to init disk service sectors with return code:** *return\_code*

**Explanation**

Init disk service sectors failed. You are probably running I/O problems.

**Action**

View the server logs.

---

**HSTGS0221E Shared part access failed with return code:** *return\_code*

**Explanation**

Access shared part failed. You are probably running I/O problems.

**Action**

View the server logs.

---

**HSTCM0912E An error occurred while starting CM upgrade manager thread.**

**Explanation**

CM-UpgradeManager: An error occurred while starting CM upgrade manager thread.

**Action**

Make sure that you have enough resources on your system. If the problem still exists then contact Technical Support.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0913I CM-UpgradeManager: Upgrade of all filesets is completed.**

**Explanation**

The upgrade process for all filesets is completed.

**Action**

No action is required.

---

**HSTCM0914W CM-UpgradeManager: Cluster transition detected, upgrade process ended.**

**Explanation**

Cluster transition was detected while upgrading the fileset. Stopping the current upgrade process.

**Action**

Upgrade process will be restarted when cluster transition is complete. No action is required.

---

**HSTCM0915E Create upgrade progress table failed with error (*adm\_result\_code*)**

**Explanation**

CM-UpgradeManager: An error occurred while creating index.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

Contact Technical Support.

---

**HSTCM0916E CM-UpgradeManager: Replace master record failed. RC=(*adm\_result\_code*)**

**Explanation**

An error occurred while replacing the master record.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

Contact technical Support.

---

**HSTCM0917E CM-UpgradeManager: Committing master record update failed. RC=(*adm\_result\_code*)**

**Explanation**

An error occurred while replacing the master record.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

Contact Technical Support.

---

**HSTCM0918I CM-UpgradeManager: Upgrade progress table created. Root PageNo=( *db\_page\_number*)**

**Explanation**

An error occurred while replacing the master record.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

Contact Technical Support.

---

**HSTCM0919E CM-UpgradeManager: An internal error was detected. The upgrade will restart in a moment.**

**Explanation**

An internal error was detected. View other errors in the log to determine a possible cause.

**Action**

Contact technical Support.

---

**HSTCM0920I CM-UpgradeManager: Fileset is already upgraded. CID=( *cm\_arena\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0921E CM-UpgradeManager: Fetch from upgrade progress table failed. RC=( *cm\_result\_code*)**

**Explanation**

An error occurred while retrieving a record from the upgrade progress table.

**Action**

Contact Technical Support.



---

**HSTCM0922E CM-UpgradeManager: Insert into upgrade progress table failed. RC=( *cm\_result\_code*)**

**Explanation**

An error occurred while inserting a record into the upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0923E CM-UpgradeManager: Committing inserts in the upgrade progress table failed. RC=(*cm\_result\_code*)**

**Explanation**

An error occurred while committing inserts in the upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0924I CM-UpgradeManager: Upgrade for fileset completed. filesetId=( *cm\_fileset\_id*)**

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0925E CM-UpgradeManager: Scan upgrade progress table failed. RC=(*cm\_result\_code*)**

**Explanation**

An error occurred while scanning the upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0926E CM-UpgradeManager: Delete record from upgrade progress table failed. RC=(*cm\_result\_code*)**

**Explanation**

An error occurred while deleting a record from the upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0927E CM-UpgradeManager: Committing delete record from upgrade progress table failed. RC=(*cm\_result\_code*)****Explanation**

An error occurred while committing delete record from upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0928E CM-UpgradeManager: Destroy upgrade progress table failed. RC=(*cm\_result\_code*)****Explanation**

An error occurred while destroying the upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0929E CM-UpgradeManager: Commit destroy upgrade progress table failed. RC=(*cm\_result\_code*)****Explanation**

An error occurred while committing destroy upgrade progress table.

**Action**

Contact Technical Support.

---

**HSTCM0930I CM-UpgradeManager: Upgrade progress table destroyed.****Explanation**

The temporary table created to track the upgrade process is now destroyed.

**Action**

No action required.

---

**HSTCM0931E CM-UpgradeManager: Upgrade fileset message send failed. NodeId=(*cm\_result\_code*), RC=(*cm\_result\_code*)****Explanation**

An error occurred while sending an upgrade fileset message.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Check operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0932E CM-UpgradeManager: Error returned by subordinate as a response. RC=(*cm\_result\_code*)**

### Explanation

Subordinate server failed to upgrade the fileset.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Check operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTSC0522E Fileset anchor record old symlink root field is not correct for fileset *sc\_fileset\_name* (*sc\_fileset\_id*). oldSymlinkRoot: *0xsc\_anchor\_old\_symlink\_root***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTWA0043I The calculated tailUSN pageNo is not equal to pageHdrUSN pageNo. Volume ID = *wal\_volume\_id*, tailUSN pageNo = *wal\_tail\_usn*, pageHdrUSN pageNo = *wal\_page\_header\_usn***

### Explanation

During log recovery, the calculated USN from the page header does not equal the USN stored in the checkpoint record. This is an indication that the end of the log has been reached.

### Action

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

**HSTTM0142E Name contains characters which are not supported by SAN File System: *name\_string*.**

**Explanation**

The name contains lowercase non-ASCII characters which are not supported in the initial release of SAN File System. The unsupported characters are lowercase characters which are not in the ASCII character set.

**Action**

Replace the lowercase non-ASCII characters in the name with uppercase characters.

---

**HSTSC0523E Salvage SC file attributes segment failure: LocateRoot failed for segment table <*sc\_fileset\_name* (*sc\_fileset\_id*).*sc\_object\_id*> failed. RC = *sc\_result\_code*.**

**Explanation**

The metadata checker was unable to find the root of the segments in a file.

**Action**

Delete the file and recover it from backup.

---

**HSTSC0524I File Attributes salvaged for file <*sc\_fileset\_name* (*sc\_fileset\_id*.*sc\_object\_id*)>**

**Explanation**

The file attributes for the specified file were salvaged.

**Action**

No action is required.

---

**HSTSC0525E OBSOLETE Fileset file object segment table count *sc\_segment\_count* but segment table root NULL.**

**Explanation**

The metadata checker discovered a problem with the segments in a file.

**Action**

Run the metadata checker in repair mode to salvage the file. Then recover the file from backup.

---

**HSTSC0526E Fileset file object segment table count  
*sc\_segment\_count* but should be *sc\_segment\_count***

**Explanation**

The metadata checker discovered a problem with the segments in a file.

**Action**

Run the metadata checker in repair mode to salvage the file. Then recover the file from backup.

---

**HSTCM0933W checkmetadata: Disabling default storage pool**

**Explanation**

The metadata checker could not validate the identity of the default storage pool. The default storage pool has been disabled.

**Action**

Run the setdefaultpool command to reassign the default storage pool.

---

**HSTCM0934W checkmetadata: DiskId *diskID* might be invalid.**

**Explanation**

The diskID has an invalid format, but the metadata checker cannot confirm that it is corrupt.

**Action**

Use the lsln command to verify that there is a volume with this label. If no such volume exists, then you can remove the volume from the metadata server's tables by issuing the rmvol command.

---

**HSTCM0935W No storage pool has been assigned to file '*filename*' in fileset *fileset\_id* (*fileset\_name*) because no policy rule applied and there is no default storage pool.**

**Explanation**

The active policy set does not have any rules that apply to the file, and the default storage pool was disabled so no storage pool could be assigned to the specified file.

**Action**

Update your policy set rules to specify an explicit default, or issue the setdefaultpool command to specify a default storage pool.

---

**HSTSC0527E Unable to create file '*filename*' in fileset *fileset\_id* (*fileset\_name*) because it was not assigned to a storage pool.**

**Explanation**

The file could not be created because it was not assigned to a storage pool.

**Action**

Update your policy set rules to specify an explicit default or issue the `setdefaultpool` command to specify a default storage pool.

---

**HSTCM0936E Master server failed to stop the master workload. RC = *cm\_return\_code*.**

**Explanation**

During cluster formation, the master metadata server is not able to stop the master workload because of an error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0040E Master-BufferWriter: I/O error. RC = *db\_result\_code*.**

**Explanation**

Master buffer writer failed to flush data buffers.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0041E Sub-BufferWriter: I/O error. RC = *db\_result\_code*.**

**Explanation**

Subordinate buffer writer failed to flush data buffers.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0042E Master-BufferWriter: Write-ahead log truncate failed.**  
**TruncUSN = *db\_log\_usn*, RC = *db\_result\_code*.**

**Explanation**

Master buffer writer failed to truncate the write-ahead log to specified USN.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0043E Sub-BufferWriter: Write-ahead log truncate failed.**  
**TruncUSN = *db\_log\_usn*, RC = *db\_result\_code*.**

**Explanation**

Subordinate buffer writer failed to truncate the write-ahead log to specified USN.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0044E Master-BufferWriter: Write-ahead log flush failed.**  
**FlushUSN = *db\_log\_usn*, RC = *db\_result\_code*.**

**Explanation**

Master buffer writer failed to flush the write-ahead log to specified USN.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTDB0045E Sub-BufferWriter: Write-ahead log flush failed.**  
**FlushUSN = *db\_log\_usn*, RC = *db\_result\_code*.**

**Explanation**

Subordinate buffer writer failed to flush the write-ahead log to specified USN.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

## **HSTWA0044E Write-ahead log writer failed to write checkpoint.**

**Ckpt USN = *db\_log\_usn*, RC = *db\_result\_code*.**

### **Explanation**

Write-ahead log writer failed to write checkpoint record due to IO failure.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

## **HSTGS0222E CM state manager failed to shut down server gracefully.**

**RC = *db\_result\_code*. Exiting...**

### **Explanation**

CM state manager failed to perform a graceful shutdown.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

## **HSTGS0223I metadata server *server* is beginning to reform the group.**

**Manual on-demand reform.**

### **Explanation**

A cluster reformation has been manually initiated using the internal legacy reformcluster command.

### **Action**

No action is required. This command is mainly for test, but might be used by service in the field to force a cluster transition on-demand.



---

**HSTGS0224E Attempted to execute an on-demand group reformation on a subordinate node.**

**Explanation**

An on-demand cluster reformation was attempted on a subordinate metadata server using the internal legacy reformcluster command.

**Action**

Execute the command on the master metadata server. This internal command is mainly for test, but might be used by service in the field to force a cluster transition on-demand.

---

**HSTSC0529E Fileset STSD hash table object has invalid hash value. Object ID = *sc\_objectId*, Birth epoch = *sc\_birthEpoch*, STSD length = *sc\_stsdLength*, Hash value = *sc\_hashVal*.**

**Explanation**

The hash value of the data row being scanned does not match the hash value to the corresponding entry in the data table.

**Action**

The data is automatically salvaged if the salvage option was selected. If not, the integrity lost flag is raised.

---

**HSTFS0071E Unable to apply salvage *fs\_result\_code* filesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

Unable to apply the salvage operation to the disk and write it to the log.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTFS0072E Fileset free space map index, index id is not correct. Fileset=*fs\_fileset\_id* FS Map root page=*fs\_page\_number* Index id is *fs\_index\_id* but should be *fs\_index\_id***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0937E Get write-ahead log List: Upgrade of WAL Volume table failed. RC = *cm\_result\_code*.**

**Explanation**

The upgrade of the WAL Volume table in the master DBSpace failed. The WAL Volume table upgrade will be attempted at the next cluster reformation.

**Action**

Contact Technical Support if the error keeps recurring.

---

**HSTCM0938I Fileset *filesetname* (FilesetId = *cm\_fileset\_id*) was successfully removed from the workload of Server *servername* (NodeId = *cm\_node\_id*)**

**Explanation**

The metadata server master subtracts the fileset from a server's workload for load balancing during a cluster reformation or on behalf of an administrator command for creating/updating/deleting a fileset.

**Action**

No action required.

---

**HSTCM0939I Fileset *filesetname* (FilesetId = *cm\_fileset\_id*) was successfully added to the workload of server *servername* (NodeId = *cm\_node\_id*)**

**Explanation**

The metadata server master adds the fileset to a the workload of a server for load balancing during a cluster reformation or on behalf of an administrator command for creating/updating/deleting a fileset.

**Action**

No action required.

---

**HSTCM0940I Fileset *filesetname* (FilesetId = *cm\_fileset\_id*) was successfully failed over to the workload of Server *servername* (NodeId = *cm\_node\_id*)**

**Explanation**

The metadata server master fails over the fileset to a server's workload during a cluster reformation if the originally serving server fails or is shutdown.

**Action**

No action required.

---

**HSTCM0941I Fileset *filesetname* (FilesetId = *cm\_fileset\_id*) will not be failed over because server *servername* (NodeId = *cm\_node\_id*) was determined to be Not In Group (Rogue).**

**Explanation**

The metadata server master cannot fail over the fileset to another server's workload during a cluster reformation because the originally serving server has failed and declared rogue as it could not be shutdown.

**Action**

The rogue server will have to be manually shutdown and a stopserver command with (TODO) option should be issued to force a failover of its filesets.

---

**HSTCM0942W WARNING : WAL Volume *wal\_volume\_id* that was previously assigned to server *servername* (NodeId = *cm\_node\_id*) will not be cleaned and its filesets will not be failed over because the server was flagged Not In Group (possibly rogue).**

**Explanation**

The metadata server master cannot fail over the fileset to another server during a cluster reformation. This is because the original master server has failed, been declared rogue, and could not be shutdown.

**Action**

The rogue server will have to be manually shutdown and a stopserver command with (TODO) option should be issued to force a failover of its filesets.

---

**HSTCM0943E Error updating write-ahead log version while cleaning write-ahead log previously assigned to *cm\_node\_id***

**Explanation**

An unexpected error occurred while attempting to update the write-ahead log version after cleaning the write-ahead log.

**Action**

Contact Technical Support.

---

**HSTCM0944E Error updating write-ahead log record to remove node association while decommissioning or stopping a server.**

**Explanation**

An unexpected error occurred while attempting to update write-ahead log record while decommissioning or stopping a server.

**Action**

Contact Technical Support.

---

**HSTCM0945E Start cluster: Failover failed. Cluster Manager master state is incorrect.****Explanation**

The Cluster Manager master was in an unexpected state while attempting failover. Cluster transition will be initiated again.

**Action**

Contact Technical Support.

---

**HSTCM0946E Rebalance of workloads (after create/update/delete of fileset) failed. RC = *cm\_result\_code*.****Explanation**

Rebalancing of workload had an unexpected failure.

**Action**

Contact Technical Support.

---

**HSTPG0078I Starting the cluster master failover callback.****Explanation**

Informational message that the cluster master has initiated fileset failover.

**Action**

No action required.

---

**HSTSC0531I Fileset object *<sc\_fileset\_name (sc\_fileset\_id.sc\_object\_id)>* moved to the lost+found directory.****Explanation**

The file was lost because it was not reachable in the directory hierarchy. The file was moved to the lost+found directory.

**Action**

Move the object back to the correct directory.

---

**HSTSC0532E Should salvage directory entry *sc\_object\_id* by removing entry *sc\_object\_id***

**Explanation**

The metadata checker found a directory that needs to be salvaged. The directory is corrupt and needs to be salvaged to solve or prevent errors. There should be a message before this one describing the problem.

**Action**

Notify users of the objects in the directory.

---

**HSTSC0533S The root directory object is missing in *sc\_fileset\_name* *sc\_fileset\_id* epoch *sc\_epoch\_id***

**Explanation**

The metadata checker found that the root directory is missing.

**Action**

Run the metadata checker in salvage mode to create the root directory.

---

**HSTSC0534E The root directory object was created in *sc\_fileset\_name* *sc\_fileset\_id* epoch *sc\_epoch\_id***

**Explanation**

The metadata checker created the root directory.

**Action**

No action is required.

---

**HSTSC0535S The *.flashcopy* directory object is missing in *sc\_fileset\_name* *sc\_fileset\_id* epoch *sc\_epoch\_id***

**Explanation**

The metadata checker found that the *.flashcopy* directory is missing.

**Action**

Run the metadata checker in salvage mode to create the *.flashcopy* directory.

---

**HSTSC0536E The *.flashcopy* directory object was created in *sc\_fileset\_name* *sc\_fileset\_id* epoch *sc\_epoch\_id***

**Explanation**

The metadata checker created the *.flashcopy* directory.

### Action

No action is required.

---

**HSTSC0537I The lost+found directory object is missing in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

### Explanation

The metadata checker found that the lost+found directory is missing.

### Action

After upgrade is complete, the metadata checker will create the lost+found directory in salvage mode.

---

**HSTSC0538I The lost+found directory object was created in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

### Explanation

The metadata checker created the lost+found directory.

### Action

No action is required.

---

**HSTSC0539S The .flashcopy directory entry is missing in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

### Explanation

The metadata checker found that the .flashcopy directory entry is missing.

### Action

Run the metadata checker in salvage mode to create the .flashcopy directory entry.

---

**HSTSC0540E The .flashcopy directory entry was created in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

### Explanation

The metadata checker created the .flashcopy directory entry.

### Action

No action is required.

---

**HSTSC0541I The lost+found directory entry is missing in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

**Explanation**

The metadata checker found that the lost+found directory entry is missing.

**Action**

Run the metadata checker in salvage mode to create the lost+found directory entry.

---

**HSTSC0542I The lost+found directory entry was created in**  
*sc\_fileset\_name sc\_fileset\_id epoch sc\_epoch\_id*

**Explanation**

The metadata checker created the lost+found directory entry.

**Action**

No action is required.

---

**HSTSC0543E Metadata check could not move an orphaned directory to the lost+found directory error code *sc\_result\_code*) object**  
*sc\_fileset\_name sc\_fileset\_id sc\_object\_id*

**Explanation**

The metadata checker could not move a directory to the lost+found directory entry.

**Action**

Resolve the error and run the metadata check again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTSC0544I Directory entry loops back on itself *sc\_fileset\_name***  
*sc\_fileset\_id sc\_object\_id*

**Explanation**

The directory is corrupt because an entry references the directory.

**Action**

To salvage the object, run the metadata checker in salvage mode.

---

**HSTSC0545I Root directory parent object is incorrect**

*sc\_fileset\_name sc\_fileset\_id sc\_epoch\_id. It is sc\_object\_id and should be sc\_object\_id.*

**Explanation**

The directory is corrupt because its parent is incorrect.

**Action**

To salvage the object run the metadata checker in salvage mode.

---

**HSTSC0546I .flashcopy directory parent object is incorrect**

*sc\_fileset\_name sc\_fileset\_id sc\_epoch\_id. It is sc\_object\_id and should be sc\_object\_id.*

**Explanation**

The directory is corrupt because its parent is incorrect.

**Action**

To salvage the object, run the metadata checker in salvage mode.

---

**HSTSC0547I lost+found directory parent object is incorrect**

*sc\_fileset\_name sc\_fileset\_id sc\_epoch\_id. It is sc\_object\_id and should be sc\_object\_id.*

**Explanation**

The directory is corrupt because its parent is incorrect.

**Action**

To salvage the object, run the metadata checker in salvage mode.

---

**HSTSC0548I Directory parent object salvaged *sc\_fileset\_name***

*sc\_fileset\_id sc\_epoch\_id.*

**Explanation**

The parent object mentioned in the preceding message has been fixed.

**Action**

No action is required.



---

**HSTSC0549I Attempt to put *sc\_object\_id* in lost+found directory failed. *sc\_fileset\_name sc\_fileset\_id***

**Explanation**

The metadata checker found that one of the root or .flashcopy or lost+found directories is orphaned.

**Action**

To salvage the object run the metadata checker in salvage mode.

---

**HSTSC0550E Fileset object common attributes basic miscellaneous is incorrect. *sc\_fileset\_name sc\_fileset\_id sc\_object\_id***

**Explanation**

The object is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the object.

---

**HSTWA0045E I/O error detected while setting the new write-ahead log checkpoint version, RC= *wal\_return\_code*.**

**Explanation**

Error detected while setting the new version in write-ahead log checkpoint area.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0947I Salvaging redo record with key *cm\_redo\_key*.**

**Explanation**

The redo action was successfully salvaged.

**Action**

No action is required.

---

**HSTCM0948I Cluster Manager volumes table *mkvol attempts* should be *mkvol\_attempts*.**

**Explanation**

The redo action record was successfully salvaged.

**Action**

No action is required.

---

**HSTCM0949W Invalid redo action type (*redo\_action\_type*) for volume with diskId *diskId*.**

**Explanation**

The redo action was successfully salvaged.

**Action**

No action is required.

---

**HSTCM0950E Cluster Manager volumes table lunid length is not valid.**

**Explanation**

The lunid length was not consistent with other fields in the volume record.

**Action**

Run the metadata checker in repair mode to correct the problem.

---

**HSTCM0951E Cluster Manager volumes table redo action not found for volume *cm\_volume\_name*.**

**Explanation**

The lunid length was not consistent with other fields in the volume record.

**Action**

Run the metadata checker in repair mode to correct the problem.

---

**HSTTM0143I Changing default response timeout for remote transactions from *timeout* to *timeout*.**

**Explanation**

The default timeout period for remote transactions has been changed.

**Action**

No action is required.

---

**HSTCM0952E** Client *client\_name* has incorrect volume size for volume *volume\_name* in storage pool *pool\_name*. Client volume size *volume\_size\_bytes*, expected volume size *volume\_size\_bytes*.

**Explanation**

The client reported a volume size that was less than the recorded size for the volume. This means that the client will not be able to access all data blocks stored on the volume. If the client accesses a file with data blocks stored on the volume beyond the access of the client, application errors might occur, including data loss or file corruption.

Note that the expected volume size is the size of the volume rounded down to a multiple of the partition size, so the value reported here might not exactly match the true volume size.

**Action**

Issue the `rediscoverluns` command and then verify the size with the `lslun` command using the `-client` option. Some storage hardware and some client operating systems do not support dynamic resizing of volumes. If the size is still incorrect after issuing the `rediscoverluns` command, try restarting the client. If the problem persists, contact your service representative.

---

**HSTVC0037I** VCM: Upgrade cluster to software version *vcm\_version\_string* succeeded. Data conversion is complete.

**Explanation**

The cluster has been successfully updated to the new software version. Data conversion is complete.

**Action**

No action is required.

---

**HSTGS0225W** The master is attempting to shut down rogue metadata server *server*.

**Explanation**

The master metadata server encountered a rogue server during group reformation and is attempting to shut down that rogue server using a shutdown message.

**Action**

View the cluster logs. This might be an indication of a network partition.

---

**HSTGS0226W The master metadata server received a shutdown response. Metadata server *server* is no longer in service.**

**Explanation**

The master metadata server encountered a rogue server during group reformation and is attempting to shut down that rogue server.

**Action**

View the cluster logs. This might be an indication of a network partition.

---

**HSTGS0227I Fileset failover actions complete.**

**Explanation**

The master completed all required fileset failover actions.

**Action**

No action is required.

---

**HSTLV0200W Long running message reply failed. RC=*lvm\_result\_code*.**

**Explanation**

Reply to the ping message failed. This failure could occur due to the transient network failure or because the receiver server is not ready to receive messages.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0953E Commit transaction failed. RC=*cm\_result\_code*.**

**Explanation**

Master failed to commit the transaction.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0954W Client *clientName* does not have access to volume *volumeName* with diskId *diskId* in storage pool *stgPoolName*.**

**Explanation**

The specified client can access some volumes in the specified storage pool, but cannot access the specified volume.

Applications running on the client might receive I/O errors while accessing part or all of a file. If the application does not handle these errors gracefully, data loss or data corruption could result.

**Action**

This might be a transient SAN problem. If the error persists, then it is likely that either the client or the SAN is misconfigured. Verify that the client and SAN are correctly configured.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0551W ALERT: No storage pool assigned during file creation in fileset *fileset\_id* (*fileset\_name*), error occurred *count* time(s) since the last alert.**

**Explanation**

The policy set rules did not assign a storage pool to one or more newly created files in the specified fileset. This message is a summary alert. A different error message was created for each incident.

**Action**

Verify that the policy set rules are correct.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0144I Client *client\_name* (client ID *client\_id*) is using NLS converter *ip\_address*.**

**Explanation**

Print client's National Language Support information.

**Action**

This is an informative message. No action is required.

---

**HSTSC0553E Arena extension did not result in the addition of new capacity for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

Internal error while extending the arena.

**Action**

Run the metadata check command to determine the cause and fix the problem.

---

**HSTCM0955E Delete Redo Action - supported Action.**

**Action=*cm\_action\_code*.**

**Explanation**

Internal Error: The action is not supported for this operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0956E Not a supported Action for a Gap Reused partition**

**<filesetId=*cm\_fileset\_id*,stgPoolId=*cm\_pool\_id*>,**

**lpNo=*cm\_partition\_id*, Action=*cm\_action\_code*.**

**Explanation**

Internal Error: The action is not supported for this operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM0957E OBSOLETE Error *cm\_result\_code* sending**

**ChgGapReuseLPTState message.**

**Explanation**

Could not send the message to the master node. This failure could occur due to the transient network failure or the receiver server is not ready to receive messages.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTCM0958E Error *cm\_result\_code* sending cmChgGapReuseLPTStateMsg message.**

**Explanation**

The message from the subordinate to the master node could not be sent.

**Action**

Check the network connections. Contact Technical Support.

---

**HSTCM0959E Error *cm\_result\_code* processing changeGapReuseLptState.**

**Explanation**

Error while changing the LPT state of the reused partition.

**Action**

View the log for more information for main error source.

---

**HSTCM0960E Commit transaction failed while undoing reuse Lpt with error = *cm\_result\_code*.**

**Explanation**

This message indicates an internal error. An error occurred while committing transaction.

**Action**

Contact your service representative.

---

**HSTCM0961E Commit transaction failed while committing reuse Lpt with error = *cm\_result\_code*.**

**Explanation**

This message indicates an internal error. An error occurred while committing transaction.

**Action**

Contact your service representative.

---

**HSTGS0228E Addserver request rejected. Server being added failed to write Tank.Config or Tank.Bootstrap file.****Explanation**

The metadata server that is being added to the cluster failed to write the Tank.Bootstrap or Tank.Config file.

**Action**

View the cluster log on the metadata server being added for details. Verify that the TANKDIR directory is writable on the metadata server that is being added.

---

**HSTGS0229E Addserver request rejected. Server being added has invalid network.****Explanation**

The metadata server being added to the cluster has an invalid network configuration.

**Action**

View the cluster log on the metadata server being added for details. Verify that the network configuration is correct on the metadata server being added.

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact Technical Support.

---

**HSTGS0230E Addserver request rejected. Server being added has incompatible software version.****Explanation**

The metadata server that is being added is running a software version that is incompatible with the version of software that the cluster is running.

**Action**

View the cluster log on the metadata server being added for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact Technical Support.

---

**HSTGS0231W Addserver request rejected. Server being added has mismatched configuration parameters.****Explanation**

The metadata server that is being added has disruptive configuration settings that are not synchronized with the current cluster settings. The server being added should have applied the current cluster settings and restarted to make the disruptive configuration changes take effect.



### Action

View the cluster log on the metadata server being added for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact Technical Support.

---

## **HSTGS0232I Server *name* accepted addserver request.**

### Explanation

The metadata server being added accepted a request to be added to the cluster definition. It should join the active group in the next group transition that is executed as part of the addserver operation.

### Action

No action is required.

---

## **HSTOP0034W Disruptive configuration parameter *param* local setting (*l\_val*) does not match the cluster setting (*c\_val*).**

### Explanation

A local setting for a cluster scoped disruptive configuration value was found to be not synchronized with the current cluster setting. Local values of cluster scoped configuration settings are compared to the current cluster values during group transitions. If the local setting does not match the cluster setting, the local value is updated to the cluster setting. The local metadata server must then restart for the disruptive setting to take effect.

### Action

The local server that has detected disruptive parameters will exit. If the administrative agent watchdog is enabled, the metadata server will restart and rejoin the cluster.

---

## **HSTOP0035W Failed to set dynamic configuration parameter *param* local setting (*l\_val*) does not match the cluster setting (*c\_val*).**

### Explanation

A failure occurred while attempting to set a dynamic configuration parameter.

### Action

The local server was unable to apply a cluster scoped dynamic parameter setting. Check the cluster log on the metadata server that failed to update the setting for details. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact Technical Support.

---

**HSTSC0554E Fileset file object inline segment incorrect**

*sc\_fileset\_name sc\_object\_id*

**Explanation**

The metadata checker discovered a problem with the inline segment in a file.

**Action**

Run the metadata checker in repair mode to salvage the file. Then recover the file from backup.

---

**HSTPC0074E Policy set must start with VERSION.****Explanation**

A policy set was missing the VERSION statement.

**Action**

Policy sets must start with a VERSION statement. Currently only VERSION 1 is supported.

---

**HSTCM0962W Error *cm\_result\_code* sending reset policy statistics message.****Explanation**

An error occurred while resetting the policy set statistics.

**Action**

The policy set statistics might not be synchronized on all servers. Issue the USEPOLICY command to reactivate the current policy set.

---

**HSTGS0233E An invalid pointer was passed into diskUnicast.****Explanation**

An invalid pointer was passed into diskUnicast.

**Action**

View the server logs.

---

**HSTGS0234E Rogue server *node\_name* cannot be found in diskmsg array.****Explanation**

Rogue server is not in group.

### Action

View the server logs.

---

**HSTSC0555E Object ID on data table object OID = *sc\_stsd\_objectId*, BirthEpochId = *sc\_stsd\_birthEpoch*, SegmentNum = *sc\_stsd\_segmentNum* is incorrect. Should not be equal to previous OID *sc\_stsd\_prev\_objectId*.**

### Explanation

The object ID of the first segment of an STSD data entry is equal to the previous entry instead of being a unique value.

### Action

If salvage is enabled, the data is automatically salvaged. If salvage is not enabled, the integrity lost flag is raised.

---

**HSTSC0556E Object ID on data table object OID = *sc\_stsd\_objectId*, BirthEpochId = *sc\_stsd\_birthEpoch*, SegmentNum = *sc\_stsd\_segmentNum* is incorrect. Should be *sc\_stsd\_correct\_objectId*.**

### Explanation

The object ID of a subsequent segment of an STSD data entry is not equal to the previous entry.

### Action

If salvage is enabled, the data is automatically salvaged. If salvage is not enabled, the integrity lost flag is raised.

---

**HSTSC0557E Birth epoch id on data table object OID = *sc\_stsd\_objectId*, BirthEpochId = *sc\_stsd\_birthEpoch*, SegmentNum = *sc\_stsd\_segmentNum* is incorrect. Should be *sc\_stsd\_correct\_birthEpoch*,**

### Explanation

The birth epoch ID of a subsequent segment of an STSD data entry is not equal to the previous entry.

### Action

If salvage is enabled, the data is automatically salvaged. If salvage is not enabled, the integrity lost flag is raised.

---

**HSTSC0558E Segment number on data table object OID = *sc\_stsd\_objectId*, BirthEpochId = *sc\_stsd\_birthEpoch*, SegmentNum = *sc\_stsd\_segmentNum* is incorrect. Should be *sc\_stsd\_correct\_segmentNum*.**

**Explanation**

The segment number of an STSD data table entry is not equal to one more than the previous segment, or 0 for the first segment.

**Action**

If salvage is enabled, the data is automatically salvaged. If salvage is not enabled, the integrity lost flag is raised.

---

**HSTSC0559E Number of segments on data table object OID = *sc\_stsd\_objectId*, BirthEpochId = *sc\_stsd\_birthEpoch*, SegmentNum = *sc\_stsd\_segmentNum* is too big.**

**Explanation**

An end of scan was reached before all segments of the last STSD object were read. This could be because the numSegments entry is too big or that one of the records is missing.

**Action**

If salvage is enabled, the data is automatically salvaged. If salvage is not enabled, the integrity lost flag is raised.

---

**HSTGS0235I OBSOLETE Unable to fork server startup script execution thread.**

**Explanation**

The High Availability Manager was unable to create a thread to execute the server restart script.

**Action**

View the server logs.

---

**HSTGS0236W The master metadata server is ignoring a notification from a peer that a peer metadata server has failed.**

**Explanation**

When the master is not in an appropriate state to handle a peer failure notification, it ignores these requests. This can happen when the master is in the process of group formation and receives a notification that a peer has failed.

### Action

View the cluster logs. The cluster might have been handling another fault at the time of the failure notification.

---

**HSTGS0237I OBSOLETE A script launched successfully to start engine *engine*. View `/usr/tank/server/log/log.stopengine` for results.**

### Explanation

When a metadata server powers off a peer metadata server while handling faults, it attempts to restart that server.

### Action

No action required. View `log.stopengine` and `log.std.` or `/var/log/messages` to verify the startengine actions.

---

**HSTGS0238E OBSOLETE Executing the startengine script to start server *engine* failed with return code *return\_code* Look in `/usr/tank/server/log/log.stopengine` or `/var/log/messages` for more details.**

### Explanation

A failure occurred while executing a script to start a peer engine.

### Action

View the cluster logs and `/usr/tank/server/log/log.stopengine` for details.

---

**HSTGS0239I OBSOLETE Launching startengine script: *start\_engine\_cmdline***

### Explanation

When a metadata server powers off another metadata server, it attempts to restart it when it verifies that the power is off.

### Action

No action required. View server and cluster logs to see if the startengine action was successful.

---

**HSTCM0963E Command failed for fileset *cm\_fileset\_name* with error *cm\_result\_code***

### Explanation

Error processing control data access while detaching the fileset.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

**HSTGS0240E Internal logic error (inconsistency in asserting lock over cluster mastership). My node name is: *my\_nodename*, this node name is: *nodename*,**

### Explanation

There is another node writing into master diskhb sector while master is alive.

### Action

If this error appears many times, verify that there are not two masters running simultaneously.

---

**HSTGS0241E I am the master, but I received a ballot to vote for node *candidate*, in a leadership election. *last\_group= group\_id***

### Explanation

Current alive master received a ballot to vote from another node. This situation might have been caused by a subordinate that timed out in some temporary state.

### Action

If this log message appears many times, check for node hangs.

---

**HSTCM0964W Unable to verify the size of the user volume with diskId *diskId* because no clients with access to the volume have been active.**

### Explanation

The metadata server does not have access to user volumes and therefore relies on clients to verify the actual size of user volumes. In this case, no clients with access to the specified volume had been active, so the metadata server does not know the actual volume size.

### Action

Issue the `lsvol` command to determine the name of the volume and then issue the `reportclients` command to list all clients with access to the volume. It is recommended that you make at least one of these clients active on the master metadata server before checking metadata.

---

**HSTCM0965I Allocations from user volume *diskId* are suspended.****Explanation**

Allocations from the volume have been suspended. Either allocations from the volume were already suspended, or the metadata repair operation suspended allocations from the volume. This could be because it found the size of the volume to be inconsistent and could not verify the actual size of the volume.

**Action**

Verify that the volume size is correct and then issue the `chvol` command to resume allocations from the volume. If the salvaged volume size is incorrect, make sure a client with access to the volume is active on the metadata server and then issue the `checkmetadata` command again.

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTCM0966E An improperly formatted *message\_name* message was received from client *client\_name*.****Explanation**

An incorrectly formatted message was received from the client. This might be due to a network error or is caused by an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

If the problem persists, contact your service representative.

---

**HSTCM0967E An improperly formatted *message\_name* message was received from client *client\_name*.****Explanation**

An incorrectly formatted message was received from the client. This message might be due to a network error or caused by an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

If the problem persists, contact your service representative.

---

**HSTCM0968E** *cm\_function\_name*: **Error** *cm\_result\_code* **subtracting capacity from fileset** *cm\_fileset\_name* (*cm\_fileset\_id*)

**Explanation**

Could not subtract the capacity of an arena from that of the fileset.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0969E** *cm\_function\_name*: **Error** *cm\_result\_code* **occurred while releasing the reference to fileset** *cm\_fileset\_name* (*cm\_fileset\_id*)

**Explanation**

Could not release the reference to the fileset.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0970E** **Error** *cm\_result\_code* **occurred while determining which server is serving fileset** *cm\_fileset\_name* (*cm\_fileset\_id*).

**Explanation**

A problem occurred while searching for the server of the specified fileset.

**Action**

Run the command again. If the error continues, contact your service representative.

---

**HSTCM0971E** **CM master:** *cm\_caller()* - **arena locker unknown.**  
**filesetID=** (*cm\_fileset\_id*), **stgpoolID=** (*cm\_pool\_id*) **Current locker**  
**node id=** (*cm\_locker\_id*) **Requestor node id=** (*cm\_locker\_id*).

**Explanation**

Arena operation detected that this arena is not locked or is locked by another node. This is an internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.



---

**HSTCM0972E CM master: *cm\_caller()* - arena is already locked. filesetID= (*cm\_fileset\_id*), stgpoolID= (*cm\_pool\_id*) Current locker node id= (*cm\_locker\_id*) Requestor node id= (*cm\_locker\_id*).**

**Explanation**

Arena operation detected that the arena is already locked by another node. This is a internal error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0973E CM master: *cm\_caller()* - fetch arena failed. Return code= (*cm\_result\_code*), filesetID= (*cm\_fileset\_id*), stgpoolID= (*cm\_pool\_id*) Requestor node id= (*cm\_locker\_id*).**

**Explanation**

Failure occurred while retrieving record from arena table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0974E CM master: *cm\_caller()* - commit operation error. Return code= (*cm\_result\_code*), filesetID= (*cm\_fileset\_id*), stgpoolID= (*cm\_pool\_id*) Requestor node id= (*cm\_locker\_id*).**

**Explanation**

Failure occurred while committing arena transaction.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0975E CM master: *cm\_caller()* - replace record error. Table name= *cm\_caller()* - Return code= (*cm\_result\_code*), filesetID= (*cm\_fileset\_id*), stgpoolID= (*cm\_pool\_id*)**

**Explanation**

Failure occurred while replacing record from the table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0976E CM master: *cm\_caller()* - index replace record error.**  
**Table name= *cm\_caller()* - Return code= (*cm\_result\_code*), stgpoolID=**  
**(*cm\_pool\_id*)**

**Explanation**

Failure occurred while replacing record from the table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0977W WARNING:Error *cm\_result\_code* sending scan disks**  
**message to node *cm\_node\_id* with scan flag: (*cm\_scan\_flag*)**

**Explanation**

Server communication error occurred while sending scan disk message. This is possible even with transient slow I/O.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM0978E Error *cm\_result\_code* occurred while enabling disk scan.**  
**'*cm\_command*' command failed for volume: '*cm\_volume\_name*'.**

**Explanation**

Server failed to enable disk scan on a node.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTSM0021I The Administration Session Manager has been stopped.**

**Explanation**

The Administration Session Manager was shutdown during a stopserver operation.

**Action**

No action is required.

---

**HSTSM0022W Stopping the Administration Session Manager timed out.****Explanation**

The Administration Session Manager was unable to shut down within the allowed time during a stopserver operation. Other administrative sessions might have been forcefully terminated.

**Action**

No action is required. View the administrative and metadata server logs.

---

**HSTPG0079W PGM : Stop As Master found PGM in invalid state.****Explanation**

LVM Master stop found that it was not in a normally expected state. This might happen if cluster reformation was attempted again internally.

**Action**

Subsequent cluster reformation attempts should succeed. If not, contact your service representative.

---

**HSTCM0979W CM Master: Stop found CM Master in invalid state.****Explanation**

CM Master stop found that it was not in a normally expected state. This might happen if cluster reformation was attempted again internally.

**Action**

Subsequent cluster reformation attempts should succeed. If not, contact your service representative.

---

**HSTLV0201W LVM Master: Stop found LVM Master in invalid state.****Explanation**

LVM Master stop found that it was not in a normally expected state. This might happen if cluster reformation was attempted again internally.

**Action**

Subsequent cluster reformation attempts should succeed. If not, contact your service representative.

---

**HSTEV0004E Cannot find the machine serial number. SNMP traps will not have the serial number.****Explanation**

Failure occurred while reading the machine serial number from the system BIOS.

### Action

Contact Technical Support.

---

**HSTEV0005I** The machine's serial number is *serial\_number*. The model number of this machine is *model\_number*.

### Explanation

This message contains the machine serial and model numbers.

### Action

No action is required.

---

**HSTTM0145I** Ending lock grace period on fileset *tm\_fileset\_name* (*tm\_fileset\_id*)

### Explanation

The lock grace period on the fileset has expired. The fileset will now allow new lock requests from clients. During the grace period, only old lock reassertions were allowed from clients.

### Action

No action required.

---

**HSTNE0009E** NET: Addr *net\_ip\_address:net\_port\_id* Failed to get acknowledgment for message: *net\_msg\_number* after: *net\_msg\_attempts* attempts. Maximum attempts: *net\_msg\_attempts*.

### Explanation

A network message was not acknowledged.

### Action

Check the network interface to ensure it is operational. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0146E** TM receiver error : client at IP address *tm\_ip\_address* Error: *tm\_result\_code(tm\_scket\_err)* receiving datagram.

### Explanation

A network error occurred while receiving data from a client.

### Action

Check the network interface to ensure it is operational. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0242E The IP address *ip\_adr* is not bound to any interface.****Explanation**

The IP address specified for the SAN File System metadata server is not bound to any configured interface on the metadata server.

**Action**

Verify that the IP address is correct for the given metadata server. Consult the "Maintenance and Problem Determination Guide". Contact Technical Support.

---

**HSTTM0147I Grace period restarted after cluster transition for fileset= (*fileset\_id*).****Explanation**

Fileset grace period restarted after cluster transition.

**Action**

No action is required.

---

**HSTTM0148I Grace period extended for fileset= (*fileset\_id*) by (*tm\_time*) seconds.****Explanation**

The fileset grace period was extended for clients to reassert their locks.

**Action**

No action is required.

---

**HSTTM0149I Published load unit to all clients. FilesetId= (*fileset\_id*).****Explanation**

Publish new server for fileset to all clients.

**Action**

No action is required.

---

**HSTTM0150I Fileset Id= (*fileset\_id*) opened with access mode= (*fileset\_id*).****Explanation**

Fileset opened on current server for access.

### Action

No action is required.

---

**HSTTM0151I New cluster information published to client. ClientId=**  
*(client\_id)*.

### Explanation

New cluster image published to client after cluster transition.

### Action

No action is required.

---

**HSTCM0980E Cluster Manager volumes table partition count for**  
**Volume Disk Id *cm\_disk\_id* is *cm\_partition\_count* should be**  
*cm\_partition\_count*.

### Explanation

The metadata checker has found a problem in the volume table. The error provides the corrected information.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM0981E Cluster Manager volumes table vector size for Volume**  
**Disk Id *cm\_disk\_id* is *cm\_vector\_size* should be *cm\_vector\_size***

### Explanation

The metadata checker found a problem in the volume table. The error provides the corrected information.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear but the problem will be corrected.

---

**HSTCM0982E Cluster Manager volumes partition size for Volume Disk**  
**Id *cm\_disk\_id* is *cm\_partition\_size* should be *cm\_partition\_size*.**

### Explanation

The metadata checker found a problem in the volume table. The error provides the correct information.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTCM0983E Cluster Manager volumes table segment count for Volume Disk Id *cm\_disk\_id* is *cm\_segment\_count* should be *cm\_segment\_count***

### Explanation

The metadata checker found a problem in the volumes table. The error provides the correct information.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

## **HSTTM0152E Server is stopping clean shutdown because client activity cannot be stopped.**

### Explanation

The metadata server waited more than 15 minutes for client activity to stop. There could be a software, hardware, or operating system defect which does not allow the client thread to complete its work.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

View the operating system log on the server machine. Check your SAN configuration for problems. Contact Technical Support.

---

## **HSTCM0984I CM subordinate workload pause started.**

### Explanation

CM subordinate workload pause is started. This is initiated by the group services as a part of cluster transition.

### Action

No action is required.

---

## **HSTCM0985I CM subordinate workload is now paused.**

### Explanation

CM subordinate workload is paused. This pause is initiated by the group services as a part of cluster transition.

### Action

No action is required.

---

**HSTCM0986E** CM master: *cm\_caller()* - fetch from table (*cm\_result\_code*), failed. Return code= (*cm\_result\_code*), filesetID= (*cm\_fileset\_id*), stgpoolID= (*cm\_pool\_id*).

### Explanation

Failure occurred while retrieving record from specified table.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTSC0560E** The **.flashcopy** directory is missing an image reference  
*sc\_fileset\_name sc\_object\_id sc\_image\_name epoch sc\_epoch\_id*

### Explanation

The **.flashcopy** directory is corrupt and needs to be salvaged to create a missing directory entry for a FlashCopy image.

### Action

To salvage the **.flashcopy** directory, run the metadata checker in salvage mode.

---

**HSTSC0561E** The metadata checker created an entry in the **.flashcopy** directory for the missing FlashCopy image *<sc\_image\_name>*

### Explanation

The metadata checker created an entry for a missing entry in the **.flashcopy** directory.

### Action

No action is required.

---

**HSTSC0562E** The metadata checker failed to create an entry in the **.flashcopy** directory for the missing FlashCopy image *<sc\_image\_name>*  
Error code *sc\_return\_code*

### Explanation

The metadata checker failed to create an entry for a missing entry in the **.flashcopy** directory.

### Action

Resolve the error. Then run the metadata checker again.



---

**HSTSC0563E** The metadata checker deleted an entry in the `.flashcopy` directory for the FlashCopy image `<sc_image_name>`

**Explanation**

The metadata checker deleted an entry for a nonexistent image in the `.flashcopy` directory.

**Action**

No action is required.

---

**HSTSC0564E** The metadata checker fixed an entry in the `.flashcopy` directory for the FlashCopy image `<sc_image_name>`

**Explanation**

The metadata checker fixed an entry in the `.flashcopy` directory.

**Action**

No action is required.

---

**HSTSC0565S** A `.flashcopy` directory already exists `sc_fileset_name` `sc_fileset_id` epoch `sc_epoch_id` remove it before running the metadata checker.

**Explanation**

The metadata checker found a `.flashcopy` directory with the wrong object ID.

**Action**

Before running the metadata checker on the fileset, remove the `.flashcopy` directory. Then run the metadata checker in salvage mode to create the `.flashcopy` directory entry.

---

**HSTSC0566S** A `lost+found` directory already exists `sc_fileset_name` `sc_fileset_id` epoch `sc_epoch_id` remove it before running the metadata checker.

**Explanation**

The metadata checker found a `lost+found` directory with the wrong object ID.

**Action**

Before running the metadata checker on the fileset, remove the `lost+found` directory. Then run the metadata checker in salvage mode to create the `lost+found` directory entry.

---

**HSTCM0987E Check upgrade cluster failed. Old release client is still active with master server.**

**Explanation**

Check upgrade cluster detected that there is at least one old release client active with master server.

**Action**

Retry the command after shutting down all the old release clients.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0153I Expiring lease for client with non supported STP version. ClientId= (*tm\_client\_id*).**

**Explanation**

Expiring client with non supported STP protocol version.

**Action**

Destroy the unsupported client. Upgrade client to appropriate STP version and start again.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM0988E Unable to replace master record, failed with error: *cm\_result\_code*.**

**Explanation**

A problem occurred while updating the cluster manager master record.

**Action**

If the error occurred when an administrative command was issued, repeat the command. If the error occurred as a result of some other operation, the operation will be retried. If this error continues to occur, contact your service representative.

---

**HSTCM0989E Unable to store Cluster Manager master record, failed with error: *cm\_result\_code*.**

**Explanation**

A problem occurred while creating the cluster manager master record during installation.

**Action**

Verify that the hardware is configured correctly and reinstall.

---

**HSTCM0990W Cluster Manager master record update progress table should exist.**

**Explanation**

The metadata check found an invalid value for the upgrade progress field in the cluster manager master record.

**Action**

If the metadata check was run in scan mode, rerun in repair mode to repair the tables. Once the tables are repaired, the upgrade thread will continue if necessary. The table will be recreated if necessary.

---

**HSTCM0991E CM-UpgradeManager: Fetch from fileset table failed. RC=( *cm\_result\_code* )**

**Explanation**

An error occurred while retrieving a record from the fileset table.

**Action**

Contact Technical Support.

---

**HSTGS0243E Failed to send a disk based request from node *from\_nodename* to node *to\_nodename* with nodeid *toNodeId* . The msg is *msgtype\_name*.**

**Explanation**

Write to shared partition failed.

**Action**

Check to determine if you have any I/O problems.

---

**HSTGS0244E Failed to send a disk based response from node *from\_nodename* to node *to\_nodename* with nodeid *toNodeId*. The msg type is *msgtype\_name*.**

**Explanation**

Write to shared partition failed.

**Action**

Check to determine if you have any I/O problems.

---

**HSTGS0245E Shared part access failed. Return code is: *return\_code***

**Explanation**

Server is experiencing I/O access problems.

**Action**

View the server logs.

---

**HSTGS0246E Shared part access failed. We got a return code: *return\_code***

**Explanation**

Access shared part failed. You might have I/O problems.

**Action**

View the server logs.

---

**HSTGI0013W Host Lun Discovery library function *function* return unknown error code *return\_code*.**

**Explanation**

The Host LUN Discovery library returned an unknown error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

If this error persists, contact your service representative.

---

**HSTGS0247E Subordinate has been added to the static cluster but did not join the active group.**

**Explanation**

A subordinate node that is being added to the cluster successfully concluded the addserver process and is expecting a group transition to follow. The group transition has not occurred, and so the subordinate node is stopping.

**Action**

View the server log on the master metadata server for problems.

Consult the "Maintenance and Problem Determination Guide".

---

**HSTGS0248S A cluster reformation operation has hung. The metadata server is stopping.**

**Explanation**

A cluster reformation is hung and is unable to finish. The server will stop. This is an indication of an internal server error. After the server stops, the cluster should recover.

**Action**

Contact Technical Support.

---

**HSTGS0249S An critical service thread has hung. The metadata server is stopping.**

**Explanation**

A critical thread in group services has hung. The server will stop. This is an indication of an internal server error. After the server stops, the cluster should recover.

**Action**

Contact Technical Support.

---

**HSTCM0992E Error *cm\_result\_code* processing list files on volume.**

**Explanation**

The master metadata server received an error from the subordinate metadata server while retrieving the file names allocated on a given volume.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

Check your cluster configuration and retry this command. If the problem persists, contact your service representative.

---

**HSTCM0993E CM Master: *cm\_caller()* - Bind fileset to wal failed. filesetID= (*cm\_fileset\_id*), WAL volid= (*cm\_volume\_id*), Return code= (*cm\_result\_code*).**

**Explanation**

CM Master failed to bind fileset to new write-ahead log.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Check your cluster configuration and retry this command. If the problem persists, contact your service representative.

---

**HSTCM0994E CM Master: *cm\_caller()* - Commit bind fileset to wal failed. filesetID= (*cm\_fileset\_id*), WAL volid= (*cm\_volume\_id*), Return code= (*cm\_result\_code*).**

**Explanation**

CM Master detected error while committing bind fileset to the write-ahead log.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

Check your cluster configuration and retry this command. If the problem persists, contact your service representative.

---

**HSTCM0995S CM Master: Internal error detected while distributing dynamic filesets. Total number of filesets to balance(count)= *cm\_fileset\_count()*, Total number of wals used for distribution(count)= *cm\_wal\_count()*, Fileset not distributed(count)= *cm\_fileset\_count()*, Wals with extra filesets after distribution(count)= *cm\_wal\_count()*,**

**Explanation**

CM Master failed to distribute dynamic filesets due to the internal error.

**Action**

Contact your service representative.

---

**HSTSC0567E Error fetching fileset STSD table data object from the hash table. Object ID = *sc\_objectId*, Birth epoch = *sc\_birthEpoch*. return code = *sc\_return\_code*.**

**Explanation**

The hash value of the data row being scanned was not found in the STSD hash table. This situation could be from an incorrect length or corruption within the data.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTSC0568E Error fetching fileset STSD hash table object from the data table. Object ID = *sc\_objectId*, Birth epoch = *sc\_birthEpoch*, STSD length = *sc\_stsdLength*, Hash value = *sc\_hashVal*. return code = *sc\_return\_code*.**

**Explanation**

The STSD object referenced by this row in the hash table was not found in the STSD data table.

**Action**

If salvage is enabled, the data is automatically salvaged. If not, the integrity lost flag is raised.

---

**HSTFS0073E Unable to apply salvage RC= *fs\_result\_code* filesetId=*fs\_container\_id* FS Map page=*fs\_page\_number***

**Explanation**

Unable to apply the salvage operation to disk and write to the log.

**Action**

Resolve the error code and run the metadata checker again. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact IBM Technical Support.

---

**HSTFS0074S Free Space Map too small filesetId=*fs\_container\_id* FS Map root page=*fs\_page\_number* capacity *fs\_capacity* should be *fs\_capacity***

**Explanation**

The free space is smaller than the space allocated to it. In salvage mode the metadata checker will extend it to correct the problem.

**Action**

Run the metadata checker in salvage mode to correct the problem.

---

**HSTCK0028I Finished checking metadata fileset *fsck\_fileset\_name* result code *fsck\_result\_code***

**Explanation**

The metadata checker finished checking the fileset.

**Action**

Examine the other log messages to determine what the metadata checker found.

---

**HSTCM0996E Error *cm\_result\_code* sending MoveFile message to node *cm\_node\_id***

**Explanation**

The master server was unable to send a MoveFile message to a subordinate server.

**Action**

Verify that all servers are operational and communicating.

---

**HSTCM0997E Error *cm\_result\_code* in MoveFile message response**

**Explanation**

An error occurred on a MoveFile message sent to a subordinate server.

**Action**

Verify that the file path specified in the MoveFile command is correct and that the file exists. If this error persists, examine the log for other errors or contact your service representative.

---

**HSTCM0998E cmMoveFileAction send failed. RC = *cm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM0999E cmMoveFileAction - long running process send failed. RC = *cm\_result\_code***

**Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTSC0569E Key in MoveData table is not valid.**

**Explanation**

No additional information is available for this message.



### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTSC0570E Record found in MoveData table for objectId *sc\_object\_id* is not valid.**

#### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

### **HSTSC0571E Unexpected index error *sc\_result\_code* loading MoveData table for fileset *sc\_fileset\_name* (*sc\_fileset\_id*)**

#### **Explanation**

Internal error while loading the MoveData table.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

### **HSTSC0572E Fileset MoveData table data does not agree with the anchor record.**

#### **Explanation**

The fileset data did not agree with the metadata table's memory copy.

### **Action**

You might have to restart the server of the fileset to fix this problem.

---

### **HSTSC0573E Fileset MoveData table version *sc\_data\_version* should be *sc\_data\_version***

#### **Explanation**

The fileset MoveData table is corrupt and needs to be salvaged.

### **Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0574E Fileset MoveData table checksum is incorrect.****Explanation**

The fileset MoveData table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0575E Fileset MoveData table key object ID is incorrect.****Explanation**

The fileset MoveData table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0576E Fileset MoveData table data source object ID is incorrect.****Explanation**

The fileset MoveData table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.

---

**HSTSC0577E Unexpected index error *sc\_result\_code* inserting MoveData table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), Objectid *sc\_object\_id*****Explanation**

The MoveData record cannot be inserted into the MoveData table due to the indicated error.

**Action**

Retry the operation.

---

**HSTSC0578E Unexpected index error *sc\_result\_code* deleting MoveData table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), Objectid *sc\_object\_id*****Explanation**

The MoveData record could not be deleted from the MoveData table due to the indicated error.

### Action

MoveData record exists. Retry the operation.

---

**HSTSC0579E Unexpected index error *sc\_result\_code* replacing MoveData table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), Objectid *sc\_object\_id***

### Explanation

The MoveData record could not be replaced in the MoveData table due to the indicated error.

### Action

MoveData record exists. Retry the operation.

---

**HSTSC0580E Unexpected index error *sc\_result\_code* fetching MoveData table record for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), Objectid *sc\_object\_id***

### Explanation

The MoveData record could not be retrieved from the MoveData table due to the indicated error.

### Action

MoveData record cannot be read, modified, or deleted.

---

**HSTCM1000E Record found in MoveData table for objectid *sc\_object\_id* is not valid.**

### Explanation

The fileset MoveData table is corrupt and needs to be salvaged.

### Action

Run metadata checker in salvage mode to salvage the table.

---

**HSTSC0581E MoveData image table error: objectId mismatch - e: *sc\_object\_id*, entry: *sc\_object\_id***

### Explanation

The fileset MoveData table is corrupt and needs to be salvaged.

### Action

Run metadata checker in salvage mode to salvage the table.

---

**HSTCM1001E Extent copy failed: source diskId: *diskId*, block: *block*, target diskId: *diskId*, block: *block*, expected blocks: *count*, actual blocks: *count*, rc: *result\_code*.**

**Explanation**

An error occurred while copying an extent from one location to another.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0154E mvfile: preparation to move file *filename* failed with rc *result\_code*.**

**Explanation**

An error occurred while preparing to perform an mvfile operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0155E mvfile: error *result\_code* starting move data producer thread while moving file *filename*.**

**Explanation**

An error occurred while starting a new thread for the mvfile operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0156E mvfile: error *result\_code* updating metadata while moving data for file *filename*.**

**Explanation**

An error occurred while updating the file metadata during a move data operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0157E mvfile: error *result\_code* while moving extents for file *filename*.**

**Explanation**

An error occurred while moving extents of the file from one location to another.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0158E mvfile: error *result\_code* sending a copy data request to client *client\_name*, while moving file *filename*.**

**Explanation**

An error occurred sending a message to the specified client.

**Action**

The client might not be running, or there could be network connectivity problems.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0159E mvfile: error *result\_code* waiting for a copy data reply from client *client\_name*.**

**Explanation**

An error occurred while receiving a response from the specified client.

**Action**

The client might not be running, or there could be network connectivity problems.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0160E mvfile: Extent copy failed: source diskId: *diskId*, block: *block*, target diskId: *diskId*, block: *block*, expected blocks: *count*, actual blocks: *count*, rc: *result\_code*.**

**Explanation**

An error occurred while copying an extent from one location to another.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0161E mvfile: error *result\_code* activating exclusive lock filter for file *filename*.**

**Explanation**

An error occurred while revoking data locks from the clients.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0162E mvfile: error *result\_code* finalizing the move data operation for file *filename*.**

**Explanation**

An error occurred while finalizing the move data operation.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1002I CM master: listFilesInFileset() returned RC = *cm\_result\_code***

**Explanation**

An error occurred while retrieving the names of files allocated on a given storage pool.

**Action**

Repeat the reportpoolfiles command. If the error persists, contact your service representative.

---

**HSTCM1003E Cannot allocate memory for FOPIteratorFetch data buffer**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while allocating a memory buffer.

**Action**

Retry the operation. If the problem persists, consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM1004I F0PIteratorFetch: no data in the state buffer****Explanation**

The subordinate metadata server indicated that there should be additional data in the response buffer, but lower levels were unable to allocate memory for the data.

**Action**

Retry the operation. If the problem persists, consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM1005I F0PIteratorFetch: garbled message received from master****Explanation**

A cmF0PIteratorFetchMsg is inconsistent.

**Action**

Retry the operation. If the problem persists, consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM1006E Error *cm\_result\_code* processing list files on pool.****Explanation**

Master received an error from the subordinate while retrieving the file names allocated on a specific pool.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

Check your cluster configuration and retry this command. If the problem persists, contact your service representative.

---

**HSTCM1007E Error *cm\_result\_code* sending RemoveObject message to node *cm\_node\_id*****Explanation**

The master metadata server was unable to send a RemoveObject message to a subordinate metadata server.

**Action**

Verify that all metadata servers are operational and communicating.

---

**HSTCM1008E Error *cm\_result\_code* in RemoveObject message response****Explanation**

An error occurred on a RemoveObject message sent to a subordinate metadata server.

**Action**

Verify that the file path specified in the RmFile command is correct and that the file exists. If this error persists, examine the log for other errors or contact your service representative.

---

**HSTCM1009E cmRemoveObjectAction send failed. RC = *cm\_result\_code*****Explanation**

The subordinate metadata server received an error while attempting to send the immediate response to the master metadata server.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1010E cmRemoveObjectAction - long running process send failed. RC = *cm\_result\_code*****Explanation**

The subordinate metadata server received an error while attempting to send a long process response to the master metadata server.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0582E Fileset MoveData table data target object ID *sc\_fileset\_id.sc\_object\_id.\** is missing.****Explanation**

The fileset MoveData table is corrupt and needs to be salvaged.

**Action**

Run the metadata checker in salvage mode to salvage the table.



---

**HSTSC0583I Salvage fileset MoveData table record *sc\_fileset\_id*.  
*sc\_object\_id*.\* removed successfully.**

**Explanation**

The metadata checker encountered a problem while attempting to salvage the movedata table in the fileset.

**Action**

No action is required.

---

**HSTCM1011I CM Master: destroying user map record for domain:  
*cm\_domain\_id* user id: *cm\_user\_id* to domain: *cm\_domain\_id***

**Explanation**

The metadata checker is destroying a corrupted record in the User Map table.

**Action**

List the User Map and verify that all user mappings are correct and none are missing.

---

**HSTCM1012E CM Master: destroy user map record for domain:  
*cm\_domain\_id* user id: *cm\_domain\_id* to domain: *cm\_domain\_id* failed  
with RC = *cm\_result\_code***

**Explanation**

A failure occurred while the metadata checker was destroying corrupted records.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1013E Error fetching domain map entry *cm\_domain\_name*: failed  
with RC = *cm\_result\_code***

**Explanation**

A failure occurred while retrieving an entry from the Domain Map table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1014E Error fetching domain map entry: *cm\_domain\_id* failed with RC = *cm\_result\_code***

**Explanation**

A failure occurred while retrieving an entry from the Domain Map table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1015E CM Master: User Map key length *cm\_key\_len* is too short.**

**Explanation**

The metadata checker found a record in the User Map table with a key that is too short.

**Action**

Records with invalid key lengths cannot be repaired. The metadata must be restored from backup. Contact your service representative.

---

**HSTCM1016E CM Master: User Map key length *cm\_key\_len* should have been *cm\_key\_len*.**

**Explanation**

The metadata checker found a record in the User Map table with a key that was the wrong length.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1017E CM Master: Fetch of User Map domain map entry *cm\_domain\_id* failed with error *cm\_result\_code***

**Explanation**

The metadata checker was unable to find a domain map entry because of an error.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1018E CM Master: User Map source domain map entry  
*cm\_domain\_id* was not found.**

**Explanation**

The metadata checker was unable to find a domain map entry.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1019E CM Master: User Map target domain map entry  
*cm\_domain\_id* was not found.**

**Explanation**

The metadata checker was unable to find a domain map entry.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1020E CM Master: User Map entry has the same domain type for  
source and target: *cm\_domain\_type*.**

**Explanation**

The metadata checker found an invalid User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1021E OBSOLETE CM Master: salvage user map record for domain:  
*cm\_domain\_id* user id: *cm\_user\_id* to domain: *cm\_domain\_id* user id:  
*cm\_user\_id* failed with RC = *cm\_result\_code***

**Explanation**

A failure occurred while the metadata checker was salvaging a corrupted user map record.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1022I OBSOLETE CM Master: salvage user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **user id:**  
*cm\_user\_id*

**Explanation**

The metadata checker is salvaging a record in the User Map table.

**Action**

When the metadata check is complete, examine the User Map for errors.

---

**HSTCM1023E Check CM Failure: user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **Record**  
**length** *cm\_rec\_len* **was less than minimum length.**

**Explanation**

The metadata checker has found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1024E Check CM Failure: user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **Record**  
**length** *cm\_record\_length* **should have been** *cm\_record\_length*.

**Explanation**

The metadata checker has found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1025E Check CM Failure: user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **Equivalent**  
**ID length** *cm\_record\_length* **should have been less than**  
*cm\_record\_length*.

**Explanation**

The metadata checker has found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1026E Check CM Failure: user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **version**  
*cm\_version* **is invalid.**

**Explanation**

The metadata checker found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1027E Check CM Failure: user map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **checksum=0x**  
*cm\_user\_id* **is invalid.**

**Explanation**

The metadata checker found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1028E Check CM Failure: User map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **user id:**  
*cm\_user\_id* **does not have a reverse mapping.**

**Explanation**

The metadata checker found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1029E Check CM Failure: User map record for domain:**  
*cm\_domain\_id* **user id:** *cm\_user\_id* **to domain:** *cm\_domain\_id* **user id:**  
*cm\_user\_id* **has a reverse mapping to domain:** *cm\_domain\_id* **user id:**  
*cm\_user\_id* **and is invalid.**

**Explanation**

The metadata checker found a corrupted User Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1030E CM Master: Domain Map key length *cm\_key\_len* is too short.**

**Explanation**

The metadata checker found a record in the Domain Map table with a key that is too short.

**Action**

Records with invalid key lengths cannot be repaired. The metadata must be restored from backup. Contact your service representative.

---

**HSTCM1031E CM Master: Domain Map key length *cm\_key\_len* should have been *cm\_key\_len*.**

**Explanation**

The metadata checker found a record in the Domain Map table with a key that was the wrong length.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1032E Check CM Failure: domain map record for *cm\_domain\_name*: Record length *cm\_record\_length* should have been *cm\_record\_length*.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1033E Check CM Failure: domain map record for *cm\_domain\_name*: version *cm\_version* is invalid.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1034E Check CM Failure: domain map record for *cm\_domain\_name*: domain id *cm\_domain\_id* is a duplicate.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1035E Check CM Failure: domain map record for *cm\_domain\_name*: domain id *cm\_domain\_id* is invalid.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1036E Check CM Failure: domain map record for *cm\_domain\_name*: domain type *cm\_domain\_type* is invalid.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1037E Check CM Failure: domain map record for *cm\_domain\_name*: domain sub-type *cm\_domain\_subtype* is invalid.**

**Explanation**

The metadata checker found a corrupted Domain Map record.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1038I CM Master: destroying domain map record: *cm\_domain\_name***

**Explanation**

The metadata checker is destroying a corrupted record in the User Map table.

### Action

List the User Map and verify all user mappings are correct and that none are missing.

---

**HSTCM1039E CM Master: destroy domain map record *cm\_domain\_name*: failed with RC = *cm\_result\_code***

### Explanation

A failure occurred while the metadata checker was destroying corrupted records.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1040S Unable to create Domain Map table because system pool is out of space.**

### Explanation

The system pool is out of space. The Domain Map tables have not been created.

### Action

When space is available in the system pool, run the metadata checker to repair the system, or add security domains.

---

**HSTCM1041S Unable to create User Map table because system pool is out of space.**

### Explanation

The system pool is out of space. The User Map tables have not been created.

### Action

When space is available in the system pool, run the metadata checker to repair the system or add user mappings.

---

**HSTCM1042S Error *cm\_result\_code* while upgrading Cluster Manager Master Record.**

### Explanation

A severe error occurred while upgrading the Cluster Manager Master Record.

### Action

Restart the system. If the error recurs, contact your service representative.



---

**HSTCM1043E Error *cm\_result\_code* while creating User Map tables.****Explanation**

An error occurred while creating User Map tables.

**Action**

Repeat the command that caused the error. If the error occurs again, contact your service representative.

---

**HSTCM1044E Cluster Manager Master Record next domain ID is *cm\_domain\_id* should be *cm\_domain\_id*****Explanation**

The metadata checker found a problem in the Cluster Manager Master Record. The error provides the corrected information.

**Action**

If the metadata checker was run in scan mode, run again in salvage mode. This error will still appear in salvage mode, but the problem will be corrected.

---

**HSTCM1045E Failed to find domain *cm\_domain\_name* in domain map. Error code is *cm\_result\_code*.****Explanation**

The given domain could not be found in the user map.

**Action**

Verify that the given domain exists and retry the operation.

---

**HSTCM1046E Insert to user map failed because domains *cm\_domain\_name* and *cm\_domain\_name* are the same type.****Explanation**

The two domains specified are the same type.

**Action**

User mapping must be done between different domain types. Correct the problem and issue the command again.

---

**HSTCM1047E Modify of user map failed because domains *cm\_domain\_name* and *cm\_domain\_name* are the same type.****Explanation**

The two domains specified are the same type.

### Action

User mapping must be done between different domain types. Correct the problem and issue the command again.

---

**HSTCM1048E Insert to user map failed because *cm\_domain\_name* user *cm\_user\_name* already exists.**

### Explanation

The user already exists in the user map.

### Action

User mapping must be done between unique users. Correct the problem and issue the command again.

---

**HSTCM1049E Insert to user map failed with unexpected error *cm\_result\_code*.**

### Explanation

An unexpected error occurred.

### Action

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1050E OBSOLETE Delete from user map failed with unexpected error *cm\_result\_code*.**

### Explanation

An unexpected error occurred.

### Action

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1051E Error Attempt to broadcast invalidation to node *cm\_node\_name* failed with error *cm\_result\_code*.**

### Explanation

An error occurred while invalidating the user map cache.

### Action

Repeat the command.

---

**HSTCM1052E** Error *cm\_result\_code* occurred while inserting user map for *cm\_domain\_name* user *cm\_user\_name* to *cm\_domain\_name* user *cm\_user\_name*

**Explanation**

An error occurred while inserting a new record into the user map.

**Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1053E** The domain *cm\_domain\_name* was not found.

**Explanation**

An invalid domain name was supplied with a user map command.

**Action**

Repeat the command with a valid domain name. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1054E** The domain *cm\_domain\_id* was not found.

**Explanation**

An invalid domain ID was supplied with a user map command.

**Action**

Verify that the domain ID is valid and retry the operation. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1055E** A user map was not found for *cm\_domain\_name* user *cm\_user\_name* to *cm\_domain\_name*.

**Explanation**

An invalid user was supplied with a user map command.

**Action**

Repeat the command with a valid user. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1056E** OBSOLETE A user was not found for *cm\_domain\_name* user *cm\_user\_name*

**Explanation**

An invalid user was supplied with a user map command.

### **Action**

Repeat the command with a valid user. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1057E Error *cm\_result\_code* occurred while fetching user map entry for *cm\_domain\_name* user *cm\_user\_name* to *cm\_domain\_name*.**

### **Explanation**

An error occurred while retrieving a user map entry.

### **Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1058E Error *cm\_result\_code* occurred while removing user map entry for *cm\_domain\_name* user *cm\_user\_name* to *cm\_domain\_name*.**

### **Explanation**

An error occurred while removing a user map entry.

### **Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1059E Error *cm\_result\_code* occurred while modifying user map entry for *cm\_domain\_name* user *cm\_user\_name* to *cm\_domain\_name*, new user: *cm\_domain\_name* user *cm\_user\_name***

### **Explanation**

An error occurred while modifying a user map entry.

### **Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1060E Error *cm\_result\_code* occurred while extracting users.**

### **Explanation**

An error occurred while extracting system metadata.

### **Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1061E Error *cm\_result\_code* occurred while fetching users.****Explanation**

An error occurred while extracting system metadata.

**Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1062E Error *cm\_result\_code* occurred while extracting domains.****Explanation**

An error occurred while extracting system metadata.

**Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1063E Error *cm\_result\_code* occurred while fetching domains.****Explanation**

An error occurred while extracting system metadata.

**Action**

Repeat the command. If the error occurs again, run a metadata check to verify the system tables.

---

**HSTCM1064E Error *cm\_result\_code* broadcasting invalidation.****Explanation**

An error occurred while invalidating the user map cache.

**Action**

Repeat the command.

---

**HSTCM1065E Error *cm\_result\_code* inserting domain map entry for *cm\_domain\_name*.****Explanation**

An error occurred while inserting a domain map entry.

**Action**

Repeat the command.

---

**HSTCM1066E** Error *cm\_result\_code* deleting domain map entry for.  
*cm\_domain\_name*.

**Explanation**

An error occurred while deleting a domain map entry.

**Action**

Repeat the command.

---

**HSTCM1067E** Error *cm\_result\_code* modifying domain map entry for.  
*cm\_domain\_name*.

**Explanation**

An error occurred while modifying a domain map entry.

**Action**

Repeat the command.

---

**HSTCM1068E** Domain map entry *cm\_domain\_name* does not exist.

**Explanation**

The specified domain map entry did not exist.

**Action**

Repeat the command with a valid domain name.

---

**HSTCM1069E** Attempt to validate pending delete of domain  
*cm\_domain\_name* failed with error *cm\_rc*.

**Explanation**

The domain cannot be deleted due to the given error, probably because of a dependency violation (the domain is referenced by entries in the user map).

**Action**

If the domain really needs to be deleted, retry the operation with the force flag. Note that this operation renders any dependent user map entries useless.

---

**HSTCM1070E** Domain map entry *cm\_domain\_name* already exists.

**Explanation**

The specified domain map entry already exists.

### Action

Repeat the command with a new domain name or use the modify command to change the existing domain map entry.

---

**HSTCM1071E Domain map entry *cm\_domain\_name* would be a duplicate UNIX domain, the existing domain is *cm\_domain\_name*.**

### Explanation

A UNIX domain already exists.

### Action

Repeat the command with a new domain type or use the modify command to change the existing domain map entry.

---

**HSTCM1072E Domain map entry *cm\_domain\_name* would be a duplicate Windows domain, the existing domain is *cm\_domain\_name*.**

### Explanation

A Windows domain already exists.

### Action

Repeat the command with a new domain type or use the modify command to change the existing domain map entry.

---

**HSTCM1073E User map entry for ID *cm\_user\_id* is too long, length was *cm\_user\_id\_len*.**

### Explanation

The metadata might be corrupted. A user map entry has a user ID that is too long.

### Action

Run the metadata checker to verify and repair the system metadata.

---

**HSTTM0163W *dropCount* World Wide Port Names were dropped for *lunid='lun\_format' :='lun\_id'***

### Explanation

The metadata server supports a maximum of 16 world-wide port names. The client returned more than 16.

### Action

Contact your service representative.

---

**HSTTM0164I Object *tm\_object\_passed* was passed in, but object *tm\_object\_removed* is being removed. The object name is &3**

**Explanation**

An rfile was issued to the master node. Before the subordinate could process the request, the original file was moved or deleted and a new file with the same name was created.

**Action**

None.

---

**HSTCM1074E Cannot allocate memory for a usermap action.**

**Explanation**

The metadata server has encountered an unexpected out-of-memory error while allocating a memory buffer during a user map action.

**Action**

Wait until memory is available and retry the operation.

---

**HSTCM1075E OBSOLETE No usermap threads available for function *cm\_usermap\_function\_name*.**

**Explanation**

The quota of threads used to process user map actions has been exceeded.

**Action**

Wait for one or more user map actions to complete and retry the operation.

---

**HSTCM1076E Cannot initialize user *cm\_user\_id* because ID is too long. Given length is *cm\_user\_id\_len* and maximum length is *cm\_max\_user\_id\_len*.**

**Explanation**

A new user is being created, either to insert into the user map table or for temporary use. The length of the user's ID cannot exceed the given maximum length.

**Action**

Retry the operation with a shorter ID.



---

**HSTCM1077E Attempt to send a request to fetch usermap entry for user *cm\_user* failed with error *cm\_result\_code*.**

**Explanation**

The requested user map entry was not in the subordinate's cache, and a communication error occurred with the master attempting to update the cache.

**Action**

Verify that the master server is running properly and retry the operation.

---

**HSTCM1078E Master attempt to find usermap entry for user *cm\_user* failed with error *cm\_result\_code*.**

**Explanation**

The requested user map entry was not in the subordinate's cache or in the master's persistent copy.

**Action**

Verify that the requested entry is in the user map and retry the operation.

---

**HSTCM1079E Attempt to send a request to fetch domainmap failed with error *cm\_result\_code*.**

**Explanation**

The requested domainmap entry was not in the subordinate's cache, and a communication error occurred with the master attempting to update the cache.

**Action**

Verify that the master server is running properly and retry the operation.

---

**HSTCM1080E Master server failed to fetch domainmap with error *cm\_result\_code***

**Explanation**

The requested domainmap entry was not in the subordinate's cache, and the master encountered the given error trying to access the updated entries. This situation might mean that the metadata is corrupted.

**Action**

Run the metadata checker to verify and repair the system metadata and retry the operation.

---

**HSTCM1081E** User supplied ID *cm\_user\_id* is not a legitimate *cm\_domain\_type* ID.

**Explanation**

A non-numeric value was used for a UNIX user ID or an invalid SID was user for a Windows user SID with the ID:nnnn format for user names.

**Action**

Retry the operation with a valid user name or user ID.

---

**HSTCM1082E** UNIX directory service attempt to lookup user *cm\_user\_name* failed with error *cm\_result\_code* (*cm\_error\_string*).

**Explanation**

The directory service returned the error trying to look up the user. This situation might be an out-of-memory problem.

**Action**

Verify that the directory service is running properly and retry the operation.

---

**HSTCM1083E** UNIX directory service could not find user *cm\_user\_name*.

**Explanation**

The directory service could not find the given user.

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1084E** Active Directory attempt to lookup user *cm\_user\_name* failed with nss error *cm\_nss\_status*.

**Explanation**

The directory service returned the error trying to look up the user. This situation might be that the user does not exist(status 0).

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1085E Active Directory attempt to translate local user ID *cm\_user\_id* failed with nss status *cm\_nss\_status*.**

**Explanation**

The directory service returned the given error trying to look up the given user. This is most likely a user does not exist error (status 0).

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1086E Directory service attempt to get user *cm\_user* @ *cm\_domain\_name* from directory service failed with error *cm\_return\_code*.**

**Explanation**

The user was not found by the directory service or the directory service encountered an error setting the user information.

**Action**

Verify that the directory service is correctly configured and that the user exists. Then retry the operation.

---

**HSTCM1087E Attempt to lookup domain *cm\_domain\_id* failed with error *cm\_result\_code***

**Explanation**

The server encountered an error looking up the domain in the domain map. This error might be a not found error.

**Action**

Verify that domain is in the domain map and retry the operation.

---

**HSTCM1088E UNIX directory service attempt to lookup user *cm\_user\_id* failed with error *cm\_result\_code* (*cm\_error\_string*).**

**Explanation**

The directory service returned the error trying to look up the user. This situation might be an out-of-memory problem.

**Action**

Verify that the directory service is running properly and retry the operation.

---

**HSTCM1089E UNIX directory service could not find user *cm\_user\_id*.****Explanation**

The directory service could not find the user.

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1090E UNIX directory service attempt to initialize group list for user *cm\_user\_name* failed with error *cm\_result\_code* (*cm\_error\_string*).****Explanation**

The directory service returned the error trying to initialize the group list for the user.

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1091E UNIX directory service attempt to get group list for user *cm\_user\_name* and primary group *cm\_user\_pgid* failed with error *cm\_result\_code* (*cm\_error\_string*).****Explanation**

The directory service returned the error trying to get the group list for the user.

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1092E AD directory service attempt to lookup groups sids for user *cm\_user\_name* failed with nss status *cm\_nss\_status*.****Explanation**

The directory service returned the error trying to look up the user. This situation might be that the user does not exist (status 0).

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1093E Active Directory attempt to lookup credentials for user *cm\_user\_name* failed with error *cm\_return\_code*.**

**Explanation**

The directory service returned the error trying to look up the user. This situation might be that the user does not exist.

**Action**

Verify that the user is registered with the directory service and retry the operation.

---

**HSTCM1094E Attempt to load library *cm\_lib\_path* failed with error *cm\_error\_string*.**

**Explanation**

The server failed to load the library needed to interact with the directory service.

**Action**

Make sure that the library is available to load, and retry the operation.

---

**HSTCM1095E Attempt to load dynamic function *cm\_func\_name* failed with error *cm\_error\_string*.**

**Explanation**

The server failed to load the function needed to interact with the directory service.

**Action**

Make sure that the library and function are available to load, and retry the operation.

---

**HSTTM0165E Fatal error. Unix domain value *cm\_domain\_id* does not match stp UNIX domain ID *stp\_domain\_id*.**

**Explanation**

The UNIX domain ID defined by the CM component is not the same as the UNIX ID defined by STP. This is an early run-time check and indicates a problem with TM/STP consistency.

**Action**

This is an internal error and should not be encountered at a customer site.

---

**HSTTM0166E Fatal error. Windows domain value *cm\_domain\_id* does not match stp Windows domain ID *stp\_domain\_id*.**

**Explanation**

The Windows domain ID defined by the CM component is not the same as the Windows ID defined by STP. This is an early run-time check and indicates a problem with TM/STP consistency.

**Action**

This is an internal error and should not be encountered at a customer site.

---

**HSTTM0167I Client name *client\_name* has gracefully terminated its operations with server. Client ID *client\_id* IP address *ip\_address*, port *port\_number*.**

**Explanation**

Client has terminated operations with the server, and is no longer using its data cache and locks.

**Action**

None.

---

**HSTCM1096S Unable to access master DB space, error code *cm\_result\_code*.**

**Explanation**

The metadata server was unable to access the master database space. The system volume might not be available.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1097S Error *cm\_result\_code*. Cluster Manager master could not find its master directory.**

**Explanation**

The metadata server was unable to access the cluster master record.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1098E Unable to create Cluster Manager master index, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create the cluster manager master index.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1099E Unable to create Cluster Manager master index, invalid root page *db\_page\_number*.**

**Explanation**

The metadata server was unable to create the cluster manager master index; the root page number was invalid.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1100S Unable to create Cluster Manager master database, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create the cluster manager indices.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1101S Unable to create root fileset, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create the root fileset.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1102S Unable to create default service class, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create the default service class.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1103S Unable to create default storage pool, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create the default storage pool.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1104S Unable to create the Write Ahead Log logical volume for the master workload, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create a logical volume for use as a Write-Ahead Log for the master workload.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1105S Unable to create the logical volume for the master metadata space, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to create a logical volume to contain the cluster master metadata.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1106S Unable to add subordinate write-ahead log volume ID to persistent table, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to add a volume ID to the persistent table of the subordinate workload volumes.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1107S Unable to add subordinate workload to persistent map, error *cm\_result\_code*.**

**Explanation**

The metadata server was unable to add the subordinate workload.



**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1108S Error *cm\_result\_code* committing creation of the Cluster Manager master record.****Explanation**

The metadata server was unable to commit the creation of the cluster manager master record.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCM1109S Unable to create default policy set, error *cm\_result\_code*****Explanation**

The metadata server was unable to create the default policy set.

**Action**

Verify that the system volumes are available and operational.

---

**HSTCK0029I Starting checking metadata****Explanation**

The metadata checker is starting.

**Action**

Examine the other log messages to determine what the metadata checker found.

---

**HSTGS0250I The subordinate is ending reformation of group (*gs\_group\_id*) and cluster (*gs\_cluster\_id*). OK.****Explanation**

No additional information is available for this message.

**Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM1110E Extend arena failed to access fileset control block.**  
Return code= (*cm\_result\_code*), filesetID= (*cm\_fileset\_id*),  
stgpoolID= (*cm\_pool\_id*) Requestor node id= (*cm\_locker\_id*).

**Explanation**

Failure occurred while accessing the fileset control block.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTSC0584E Error *sc\_result\_code* while extending arena for fileset *sc\_fileset\_name* (*sc\_fileset\_id*), storage pool *sc\_pool\_name* (*sc\_pool\_id*)**

**Explanation**

Either you have run out of disk space or there is a network error.

**Action**

Free disk space by archiving and removing unused files or add more disk space. Check the network connection.

Make sure that you have enough resources on your system. If the problem persists, contact Technical Support.

---

**HSTCM1111E CM master: extendArena() - Find Deleted Logical Partition failed with error *cm\_result\_code*.**

**Explanation**

An error occurred while searching for a deleted logical partition.

**Action**

Run the metadata checker to verify data integrity. If the problem persists, contact Technical Support.

---

**HSTCM1112E CM master: extendArena() - Inserting Logical Partition failed with error *cm\_result\_code*.**

**Explanation**

An error occurred while inserting a logical partition record.

**Action**

Run the metadata checker to verify data integrity. If the problem persists, contact Technical Support.

---

**HSTCM1113E CM master: extendArena() - Testing Capacity failed with error *cm\_result\_code*.**

**Explanation**

An error occurred while testing the capacity of the fileset.

**Action**

Run the metadata checker to verify data integrity. If the problem persists, contact Technical Support.

---

**HSTTM0168E Transaction manager failed to allocate memory.**

*tm\_function: tm\_line*

**Explanation**

The metadata server has encountered an unexpected out-of-memory error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTCM1114E CM Master: Fetch record failed. Caller=(*cm\_caller*), Line=(*cm\_line\_number*), Return code=(*cm\_return\_code*).**

**Explanation**

Failure occurred while retrieving a record from the table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1115E CM Master: Insert redo action failed.**

**Caller=(*cm\_caller*), Line=(*cm\_line\_number*), Return code=(*cm\_return\_code*).**

**Explanation**

Failure occurred while inserting the redo action in the table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1116E CM Master: Insert record failed. Caller=(*cm\_caller*), Line=(*cm\_line\_number*), Return code=(*cm\_return\_code*).**

**Explanation**

Failure occurred while inserting the redo action in the table.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1117E CM Master: Delete redo action failed. Caller=(*cm\_caller*), Line=(*cm\_line\_number*), Return code=(*cm\_return\_code*).**

**Explanation**

Failure occurred while deleting the redo action entry.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTCM1118E CM Master: Apply redo action failed. Caller=(*cm\_caller*), Line=(*cm\_line\_number*), Return code=(*cm\_return\_code*).**

**Explanation**

Failure occurred while applying the redo action entry.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. Contact Technical Support.

---

**HSTGS0251S Failed to reload the group with error code *rc*. This node is aborting.**

**Explanation**

A subordinate metadata server failed to reload the group definition after failing to acquire the cluster quorum. Either an I/O error has occurred or the cluster has been reinstalled.

**Action**

Check the log files. If there are SAN faults, address them and then restart the metadata server. If this error is a result of a cluster reinstall and stale cluster configuration, contact Technical Support. Reinstalling the cluster is not supported while cluster nodes are running.

---

**HSTGS0252S Failed to reload the group with return code *rc*. This node is aborting.**

**Explanation**

A subordinate node attempted to rejoin the group, but failed because it was unable to reread the current group definition from the SAN.

**Action**

Check log files. If there are indications of SAN access errors, resolve the SAN issues and restart this metadata server. Contact IBM Technical Support.

---

**HSTTM0169E The storeSegmentRange() function failed in line *tm\_line\_number* of file *tm\_file\_name*. RC = *tm\_result\_code*.**

**Explanation**

Server is not able to retrieve object segment range from the schema manager.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTAD0044I List files on storage pool started for pool *pool\_name***

**Explanation**

This is an informational message that the reportpoolfiles command has been initiated.

**Action**

None.

---

**HSTAD0045I List files on storage pool finished for pool *pool\_name***

**Explanation**

This is an informational message that the reportpoolfiles command has completed.

**Action**

None.

---

**HSTDB0046S Unable to allocate a workload control block.**

**Explanation**

An out-of-memory condition occurred while attempting to allocate a Workload Control Block.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine.

---

**HSTDB0047E Flush buffer pool failed for function (*db\_func*):**  
**Error=*wal\_object\_id*.**

### Explanation

Flush of the metadata buffer pool to disk failed for specified function.

### Action

View metadata server logs for cause of the failure.

---

**HSTCM1119E Error *cm\_result\_code* sending lookup fileset message for**  
***cm\_fileset\_name*.**

### Explanation

Could not send a lookup fileset request to the master node.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1120E Error *cm\_result\_code* processing lookup fileset for**  
***cm\_fileset\_name*.**

### Explanation

The master node could not process a lookup fileset request.

### Action

Make sure the master node is up and running. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTGS0253E Network heartbeats lost from server *failed\_name* with IP**  
***failed\_ip* and heartbeat port *failed\_port*.**

### Explanation

A metadata server has detected the loss of network heartbeats from a peer server. The detecting nodes will report the failure to the master server, or broadcast the failure to all reachable peer nodes if the master is unreachable.

### Action

No action is required for the cluster to recover. The master will reform the cluster and eject the failed server. If the master is unreachable, the peers select a new

master. Check the server logs on all cluster nodes and determine the cause of the lost hearbeats from the peer server.

---

**HSTHA0076W** *percent percent of maximum missed heartbeats have been missed from peer failed\_ip: failed\_port.*

**Explanation**

**Action**

---

**HSTCM1121E** Cluster Manager failed to check partition empty. NodeId= (*cm\_node\_id*), CommandType= (*cm\_command\_type*), FilesetId= (*cm\_fileset\_id*), StgPoolID= (*cm\_stgpool\_id*), Logical partition number= (*cm\_lp\_no*), Return code= (*cm\_return\_code*).

**Explanation**

The cluster manager received an error when finding an empty partition.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine.

---

**HSTLV0202W** LUN of size (*sys\_size*) bytes is less than 2GB.

**Explanation**

The user documentation specifies using a minimum of 2GB per system LUN.

**Action**

Use LUNS 2GB or larger.

---

**HSTCM1122I** Node *&1* has down-level write ahead log: VolId=*&2*, Master version=*&3*, subordinate version=*&4* or is on nodeId=*&5*

**Explanation**

This is an informational message about write-ahead-log assignment.

**Action**

None.

---

**HSTCM1123E** Error Inject: write ahead log version mismatch/write ahead log not server by node.

**Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

**HSTCM1124E OBSOLETE Error *cm\_result\_code* trying to remove redo action while attaching fileset *cm\_fileset\_name*.**

### Explanation

An error occurred while trying to clean up after an error while attaching a fileset.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTCM1125E Check Cluster Manager failure: Cluster Manager filesets table record name *cm\_fileset\_name* is invalid.**

### Explanation

The metadata checker found a record in the filesets table that has an invalid name.

### Action

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1126E Check Cluster Manager failure: Cluster Manager attach points table record/key too short, length *cm\_key\_len* should be at least *cm\_key\_len*.**

### Explanation

The metadata checker found a record in the attach points table that is invalid.

### Action

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1127E Attempting to attach fileset *cm\_fileset\_name* to *cm\_attachpt\_name*. The destination attach point already exists for this fileset, but was not expected to exist.**

### Explanation

A metadata inconsistency occurred.



### Action

Run the metadata checker in scan mode to analyze the problem. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1128E Attempting to attach fileset *cm\_fileset\_name* to directory *cm\_path\_name* with attach point *cm\_attachpt\_name*. A file already exists in the directory with this attach point name.**

### Explanation

An attempt was made to attach a fileset and the attach point name already exists in the specified directory.

### Action

Delete the existing file or attach the fileset using a different attach point name.

---

**HSTCM1129E Attempting to attach fileset *cm\_fileset\_name* to *cm\_attachpt\_name*. The fileset was already attached.**

### Explanation

An attempt was made to attach a fileset at the same attach point it was already attached to. The attach command was unnecessary.

### Action

No action necessary.

---

**HSTCM1130E Attempting to attach a fileset to *cm\_attachpt\_name*. An attach point for fileset *cm\_fileset\_name* already exists with that name.**

### Explanation

An attempt was made to attach a fileset to a directory and the specified attach point is an attach point for a different fileset.

### Action

Detach the existing fileset or attach the fileset in a different path or with a different name.

---

**HSTCM1131E Attempting to attach a fileset to *cm\_attach\_path*, and it is not a directory.**

### Explanation

An attempt was made to attach a fileset and a problem exists with the parent's path.

### Action

Attach the fileset to a valid directory.

---

**HSTCM1132E Attempting to attach a fileset to *cm\_attach\_path*, and the fileset is already part of the path so a cycle needs to be created.**

### Explanation

An attempt was made to attach a fileset and the path includes the root directory of the fileset, which means a cycle will be created.

### Action

Attach the fileset to a valid directory.

---

**HSTCM1133E Error *cm\_result\_code*, removing a wormhole redo action.**

### Explanation

An attempt was made to remove a redo action and an error occurred.

### Action

Examine the log for other errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1134W Check Cluster Manager warning: Fileset *cm\_fileset\_name* attachpoint *cm\_path\_name* could not be verified. Assuming attach point is valid.**

### Explanation

The metadata checker was unable to verify the correctness of an attach point for a fileset. The attach point is assumed to be valid.

### Action

If the cluster has not been upgraded to release 2.2, run the metadata checker again after the upgrade is complete. If this error occurs after the upgrade, verify that all servers are operational and run the metadata checker again.

---

**HSTCM1135W Check Cluster Manager warning: Fileset *cm\_fileset\_name* attachpoint *cm\_path\_name*, wormhole is put in doubt.**

### Explanation

The status of the wormhole corresponding to the attach point is being put in doubt. This action only occurs if there is another issue with the fileset record requiring repair.

## Action

If the cluster has not been upgraded to release 2.2, run the metadata checker again after the upgrade is complete. If this error occurs after the upgrade, verify that all servers are operational and run the metadata checker again.

Optionally, you can attach the fileset again to the same location to validate that the wormhole is correct.

---

### **HSTCM1136E Check Cluster Manager error: Fileset *cm\_fileset\_name* attachpoint *cm\_path\_name* is invalid.**

#### **Explanation**

The metadata checker found an invalid attach point.

#### **Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

### **HSTCM1137E Check Cluster Manager error: Fileset *cm\_fileset\_name* wormhole flag value *cm\_wormhole\_flag* is invalid.**

#### **Explanation**

The metadata checker found an invalid wormhole flag value.

#### **Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

### **HSTCM1138E Check Cluster Manager error: Fileset *cm\_fileset\_name* attachpoint *cm\_path\_name* was not found.**

#### **Explanation**

The metadata checker did not find the expected attach point record.

#### **Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1139E Check Cluster Manager failure: Cluster Manager attach points table key fileset ID *cm\_fileset\_id* was not found in filesets table.**

**Explanation**

The metadata checker found a record in the attach points table that does not reference a valid fileset.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1140W Verify wormhole is not supported.**

**Explanation**

The cluster has not been upgraded to release 2.2.

**Action**

Run the metadata checker again after the upgrade is complete. If this warning occurs after the upgrade, verify that all servers are operational and run the metadata checker again.

---

**HSTCM1141E The node serving fileset *cm\_fileset\_name* was not found.**

**Explanation**

There is a problem with the workload assignment for this fileset.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error might still appear, but the problem will be corrected.

---

**HSTCM1142E The node *cm\_node\_name* (*cm\_node\_id*) serving fileset *cm\_fileset\_name* was not found. The error code was *cm\_result\_code*.**

**Explanation**

There is a problem with the workload assignment for this fileset.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error might still appear, but the problem will be corrected.

---

**HSTCM1143E** The attach point *cm\_attach\_point* in fileset *cm\_fileset\_name* is not a wormhole.

**Explanation**

There is a problem with the attach point table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error might still appear, but the problem will be corrected.

---

**HSTCM1144E** An error while looking up the attach point *cm\_attach\_point* in fileset *cm\_fileset\_name* occurred. The error is *cm\_result\_code*.

**Explanation**

There is a problem with the attach point table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error might still appear, but the problem will be corrected.

---

**HSTCM1145W** Unable to verify the attach point *cm\_attach\_point* in fileset *cm\_fileset\_name*.

**Explanation**

The metadata checker was unable to verify the validity of an attach point. The metadata checker will continue.

**Action**

Examine the server logs for the causes of this problem. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1146E** The attach point *cm\_attach\_point* for fileset *cm\_fileset\_name* does not have the same parent as the fileset.

**Explanation**

There is a problem with the attach point table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error might still appear, but the problem will be corrected.

---

**HSTCM1147E Check Cluster Manager failure: Cluster Manager attach points table record fileset ID *cm\_fileset\_id* was not found in filesets table.**

**Explanation**

The metadata checker found a record in the attach points table that references a fileset that does not exist.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM1148E Check Cluster Manager failure: Cluster Manager attach points table record fileset *cm\_fileset\_name (cm\_fileset\_id)* is not attached.**

**Explanation**

The metadata checker found a record in the attach points table that references a fileset that is not attached.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM1149E Check Cluster Manager failure: Cluster Manager attach points table record fileset *cm\_fileset\_name (cm\_fileset\_id)* has the wrong parent. Parent fileset *cm\_fileset\_name (cm\_fileset\_id)* should be *cm\_fileset\_name (cm\_fileset\_id)*. Parent object ID *cm\_object\_id* should be *cm\_object\_id*.**

**Explanation**

The metadata checker found a record in the attach points table that does not match the fileset record.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected.

---

**HSTCM1150W Check Cluster Manager failure: Cluster Manager attach points table record fileset *cm\_fileset\_name* (*cm\_fileset\_id*) Attach point *cm\_attach\_name* was invalid but no longer exists.**

**Explanation**

The metadata checker found a record in the attach points table that was invalid. When the metadata checker attempted to repair the record, it discovered that the record no longer existed.

**Action**

No action necessary. The problem was resolved.

---

**HSTCM1151W Check Cluster Manager failure: Cluster Manager attach points table record fileset *cm\_fileset\_name* (*cm\_fileset\_id*) Attach point *cm\_attach\_name* was invalid but is now valid.**

**Explanation**

The metadata checker found a record in the attach points table that was invalid. When the metadata checker attempted to repair the record, it discovered that the record is now valid.

**Action**

No action necessary. The problem was resolved.

---

**HSTCM1152W Check Cluster Manager failure: Cluster Manager fileset table record fileset *cm\_fileset\_name* (*cm\_fileset\_id*) was invalid but is now valid.**

**Explanation**

The metadata checker found a record in the fileset table that was invalid. When the metadata checker attempted to repair the record, it discovered that the record is now valid.

**Action**

No action necessary. The problem was resolved.

---

**HSTCM1153E Attach point *cm\_attach\_name* needed to be removed, but the server was not available (result code *cm\_result\_code*).**

**Explanation**

The metadata checker found a record in the attach points table that was invalid. When the metadata checker attempted to remove the attach point, there was a problem with the subordinate server.

## Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems, and then run the metadata checker again to correct the problem.

---

### **HSTCM1154E Attach point *cm\_attach\_name* needed to be removed, but an error occurred (result code *cm\_result\_code*).**

#### Explanation

The metadata checker found a record in the attach points table that was invalid. When the metadata checker attempted to remove the attach point, an error occurred.

#### Action

The attach point record will be removed.

---

### **HSTCM1155I Attach point *cm\_attach\_name* record is being removed.**

#### Explanation

The metadata checker found a record in the attach points table that was invalid. The record is being removed.

#### Action

The attach point record is being removed. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM1156I Attach point *cm\_attach\_name* record is being repaired.**

#### Explanation

The metadata checker found a record in the attach points table that was invalid. The record is being repaired.

#### Action

The attach point record is being repaired. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM1157I The *cm\_attach\_name* attach entry is being recreated in the global root directory.**

#### Explanation

The metadata checker found a record in the attach points table that was invalid. The record is being repaired.



### **Action**

The attach point record is being repaired. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTCM1158I The *cm\_attach\_name* attach entry is being recreated in the root fileset.**

#### **Explanation**

The metadata checker found a record in the attach points table that was invalid. The record is being recreated.

#### **Action**

The attach point record is being recreated. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

### **HSTSC0585E Fileset directory object search wormhole lookup for *sc\_fileset\_name* does not match an attach point.**

#### **Explanation**

The metadata checker found a wormhole directory entry that does not match an attach point. A fileset was attached at this point at one time, and is no longer attached.

#### **Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

### **HSTSC0586E Fileset directory object search wormhole lookup for *sc\_fileset\_name* resulted in error RC = *sc\_result\_code*.**

#### **Explanation**

An error occurred when the metadata checker attempted to verify a wormhole directory entry for a fileset attach point.

#### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems and then run the metadata checker again to correct the problem.

---

**HSTCM1159E Check Cluster Manager failure: Cluster Manager attach points table global root attach record incorrect. Attached fileset ID was *cm\_fileset\_name (cm\_fileset\_id)* and was expected to be *cm\_fileset\_name (cm\_fileset\_id)* Attached object ID was *cm\_object\_id* and was expected to be *cm\_object\_id*.**

**Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1160E Check Cluster Manager failure: Cluster Manager attach points table global root attach record: Key (*cm\_fileset\_name (cm\_fileset\_id), cm\_object\_id, cm\_object\_name*) Data (*cm\_fileset\_name (cm\_fileset\_id), cm\_object\_id*) is not valid.**

**Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1161E Check Cluster Manager failure: Cluster Manager attach points table global root attach record: Key (*cm\_fileset\_name (cm\_fileset\_id), cm\_object\_id, cm\_object\_name*) Data (*cm\_fileset\_name (cm\_fileset\_id), cm\_object\_id*) is missing.**

**Explanation**

The metadata checker determined that a record is missing from the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1162I The record will be replaced.****Explanation**

The metadata checker found an invalid or missing record in the attach points table, and is replacing the record.

**Action**

This is an informational message. Examine the log for the error preceding this message.

---

**HSTCM1163E Check Cluster Manager failure: Cluster Manager attach points table record has non-root object identifier: *cm\_object\_id*.****Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1164E Check Cluster Manager error: Fileset *cm\_fileset\_name* attachpoint *cm\_path\_name* did not have the correct fileset ID. Instead, it had ID *cm\_fileset\_id*.****Explanation**

The metadata checker found an attach point record for the specified attach point, but the attached fileset was incorrect.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1165E Check Cluster Manager failure: The record for fileset *cm\_fileset\_id* is invalid. The attach point will be corrected.****Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1166E Check Cluster Manager failure: The record for fileset *cm\_fileset\_id* was not found. The attach point will be corrected.**

**Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1167E Check Cluster Manager failure: The record for fileset *cm\_fileset\_name* (ID *cm\_fileset\_id*) was not attached as *cm\_attach\_name* and the attach point will be corrected.**

**Explanation**

The metadata checker found an invalid record in the attach points table.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1168E Check Cluster Manager failure: The record for fileset *cm\_fileset\_name* (ID *cm\_fileset\_id*) will be marked as detached and fileset *cm\_fileset\_name* (ID *cm\_fileset\_id*) will remain attached as *cm\_attach\_name*.**

**Explanation**

The metadata checker found a fileset that appeared to be attached at the same location as another fileset. The second fileset appears to be correctly attached, so the first fileset is being detached.

**Action**

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1169E Check Cluster Manager failure: The parent attach point for fileset *cm\_fileset\_name* (ID *cm\_fileset\_id*) is *cm\_object\_id* and should be *cm\_object\_id*.**

**Explanation**

The metadata checker found that the parent attach point for a fileset has the wrong object identifier.

### Action

If the metadata checker was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error still appears, but the problem will be corrected.

---

**HSTCM1170I** The record for fileset *cm\_fileset\_name* (ID *cm\_fileset\_id*) will be replaced.

### Explanation

The metadata checker found an invalid record in the fileset table, and is replacing the record.

### Action

This is an informational message. Examine the log for the error preceding this message.

---

**HSTCM1171E** Attach point *cm\_attach\_name* in fileset *cm\_fileset\_name* was not found.

### Explanation

A subordinate node attempted to resolve an attach point, but cannot find the attach point. This error can occur because of directory corruption in the specified fileset.

### Action

If a fileset was intended to be attached with the specified attach point, reissue the attach command to repair the corruption. If this was not intended, run the metadata checker on the specified fileset. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1172E** Metadata check of a fileset attach point record failed with error *cm\_result\_code*.

### Explanation

The metadata check of a fileset attach point record failed with an error.

### Action

Examine the log for other errors. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTDP0011I DSP Dynamic Worker thread exiting.**  
**ThreadID=(*dsp\_thread\_id*). Total actions executed by this thread=**  
**(*dsp\_thread\_act*).**

**Explanation**

Dynamic worker thread was created to server actions when all the worker threads are used up. This dynamic thread is no more required.

**Action**

No action required. This is an informational message.

---

**HSTDP0012I DSP Dynamic Worker thread started. ThreadID=**  
**(*dsp\_thread\_id*).**

**Explanation**

The server is using all the worker threads. SAN File System is starting a dynamic worker thread to process new actions.

**Action**

No action required. This is an informational message.

---

**HSTDP0013E Server failed to start dynamic worker thread as server**  
**is out of memory.**

**Explanation**

The server cannot allocate memory for the new worker thread.

**Action**

No action required. The server continues to retry the operation.

---

**HSTDP0014E Server failed to start dynamic worker thread.**

**Explanation**

The server cannot start the dynamic worker thread.

**Action**

No action required. The server continues to retry the operation.

---

**HSTDP0015E OBSOLETE Dispatcher startup failed. Could not start the**  
**required number of ping priority threads.**

**Explanation**

The server failed to start the required number of ping priority threads.

### **Action**

Make sure you have enough resources on your system. Check server logs to determine the exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTDP0016E OBSOLETE Dispatcher startup failed. Could not start the required number of Master priority threads.**

### **Explanation**

The server failed to start the required number of master priority threads.

### **Action**

Make sure you have enough resources on your system. Check server logs to determine exact cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTDP0017E OBSOLETE Dispatcher startup failed. Could not start the required number of medium priority threads.**

### **Explanation**

The server failed to start the required number of medium priority threads.

### **Action**

Make sure you have enough resources on your system. Check server logs to determine exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTHA0077I Injected a High priority processing delay in *ham\_worker\_thread***

### **Explanation**

No additional information is available for this message.

### **Action**

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0078I Injected a Master priority processing delay in *ham\_worker\_thread***

### **Explanation**

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTHA0079I Injected a Medium Priority processing delay in *ham\_worker\_thread***

### Explanation

No additional information is available for this message.

### Action

Consult the Maintenance and Problem Determination Guide for suggestions for assessing system health.

---

## **HSTDP0018E Dispatcher startup failed. Could not start the required number of dispatcher threads. Priority=*dsp\_priority\_name***

### Explanation

An error occurred while starting the dispatcher thread.

### Action

Make sure you have enough resources on your system. Check server logs to determine the exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTDP0019W Server failed to schedule dynamic worker thread as server is out of memory.**

### Explanation

The server cannot allocate memory for the new worker thread.

### Action

No action required. The server continues to retry the operation.

---

## **HSTDP0020W Server failed to start worker thread.**

### Explanation

The server cannot start the worker thread.

### Action

No action required. The server continues to retry the operation.



---

**HSTCK0030E Warning. A metadata check command was issued to a subordinate node or the cluster is in reformation. This command must be issued to the master node and the cluster must not be in reformation.**

**Explanation**

You must start the metadata checker on the master node and the cluster must not be in reformation.

**Action**

Wait for the cluster reformation to end before running the metadata check. Then, run the metadata checker again on the master node.

---

**HSTGS0254E Subordinate server could not shutdown the old master server while becoming the new master.**

**Explanation**

An attempt to shutdown the original master failed while a subordinate server was becoming the new master server. This is a critical cluster error because the cluster will remain without a master server and all filesets will be unavailable until the cluster has selected a new master server. A subordinate server cannot become the new master server until it first verifies that the old master is down using the RSA network.

**Action**

Verify that the RSA cards on all servers are configured correctly and that the cards and the RSA network is functional. Contact IBM technical support.

---

**HSTWA0046I Write ahead log unique sequence number was reset to high start value. WAL volume = *wal\_volume\_id*, USN = *wal\_usn***

**Explanation**

The metadata server has reset the unique sequence number for the write-ahead log to the specified high value. The metadata server resets the unique sequence number for WAL volumes having lesser unique sequence number values and for newly installed write-ahead logs.

**Action**

No action required.

---

**HSTCM1173E Upgrade commit of WAL checkpoint record structures failed. RC = *cm\_result\_code*.**

**Explanation**

The upgrade commit of the WAL checkpoint record structures failed. The upgrade commit will be attempted at the next cluster reformation.

### **Action**

If the error keeps recurring, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0170E Corrupt string received as part of STP message of type=*h\_msgType*, client=*tm\_client\_id*.**

### **Explanation**

Client sent a message to the server whose contents are invalid.

### **Action**

View the server logs to determine the cause of the error.

Contact your IBM service representative with detailed information of this problem.

---

**HSTTM0171E Corrupt string received as part of client identify from addr=*tmpIp*, port=*netPort*.**

### **Explanation**

Client sent a message to the server whose contents are invalid.

### **Action**

View the server logs to determine the cause of the error.

Contact your IBM service representative with detailed information of this problem.

---

**HSTTM0172E DeferredDowngradeDataLock: corrupt string in STSD Data: client=*tm\_client\_id*.**

### **Explanation**

STSD data received from the client contains a corrupt string.

### **Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTPG0080S License failure error *cm\_result\_code*.**

### **Explanation**

There was a problem verifying the software license.

### Action

Verify that the proper installation procedures were followed. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTLM0032W WARNING : Lock manager is not able to destroy object while object count upper limit is reached. Total objects scanned so far= *lm\_scan\_count*, Total objects skipped due to waiters= *lm\_skip\_count*, Total objects skipped due to object become interested= *lm\_skip\_count*,**

### Explanation

The lock manager table is full. An attempt was made to remove an entry so that a new entry could be inserted, but this failed since none of the existing entries were eligible for removal.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0587E Fileset symbolic link table data length for key = *sc\_object\_id* is not valid. The invalid length is *scSymLinkTable\_Length* , but valid length is *scSymLinkTable\_Length*.**

### Explanation

The metadata checker found the length field in a symlink table entry to be invalid.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTSC0588E Fileset file object segment table count zero but segment table root not NULL.**

### Explanation

The metadata checker discovered a problem with the segments in a file.

### Action

Run the metadata checker in repair mode to salvage the file. Then recover the file from backup.

---

**HSTCM1174E Error *cm\_result\_code* occurred attempting to initialize usage of arena (*cm\_container\_id:cm\_stg\_pool\_id*).**

**Explanation**

An error occurred attempting to initialize the count of blocks allocated by the given arena.

**Action**

View the server logs to determine the cause of the error.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1175E Error *cm\_result\_code* occurred attempting to get arena usages.**

**Explanation**

An error occurred attempting to get the usage of the server's arena.

**Action**

View the server logs to determine the specific cause of the error.

Verify that the system is in a valid state and retry the operation.

---

**HSTPC0075E New policy set syntax not supported until upgradecluster is issued.**

**Explanation**

During the rolling upgrade period before upgradecluster is issued and there may be servers running previous software releases, new policy set syntax is not supported.

**Action**

Complete the upgrade by upgrading all servers and issuing the upgradecluster command.

---

**HSTCM1176E Error *cm\_result\_code* processing assign pre-allocation.**

**Explanation**

There was some problem assigning pre-allocation to a file.

**Action**

If you are unsure of what is causing this message, consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTCM1177W No storage pool has been assigned to file '*filename*' in fileset *fileset\_id* (*fileset\_name*) based on rule *sql\_rule\_name*. because there is no default storage pool.**

**Explanation**

The specified rule assigns the default storage pool to the file, however the default storage pool was disabled so no storage pool could be assigned to the specified file.

**Action**

Update your policy set rules to specify an explicit storage pool, or issue the `setdefaultpool` command to specify a default storage pool.

---

**HSTCM1178E Cluster Manager policy pre-allocation rule table reclaim *cm\_reclaim* was invalid (should have been 0 or 1).**

**Explanation**

The metadata checker found an invalid reclaim value in the policy pre-allocation rule table.

**Action**

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. In repair mode, this error will still appear, but the problem will be corrected by reactivating the policy set. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1179E Cluster Manager drain *cm\_table\_name* table failed with *cm\_result\_code*.**

**Explanation**

The cluster manager was attempting to destroy a table and the drain table failed with the specified error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1180E Cluster Manager destroy *cm\_table\_name* table failed with *cm\_result\_code*.**

**Explanation**

The cluster manager was attempting to destroy a table and it failed with the specified error.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1181E Cluster Manager destroy *cm\_table\_name* table failed with *cm\_result\_code* while replacing the master record.**

### Explanation

The cluster manager was attempting to destroy a table and it failed with the specified error while replacing the master record.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1182E Cluster Manager destroy *cm\_table\_name* table failed with *cm\_result\_code* while committing the transaction.**

### Explanation

The cluster manager was attempting to destroy a table and it failed with the specified error while committing the transaction.

### Action

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTCM1183E Cluster Manager policy set pre-allocation rule table: Rule name *cm\_name* is not valid.**

### Explanation

The metadata checker found a problem with a policy set pre-allocation rule name.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM1184E Cluster Manager policy set text table: Policy set *cm\_policy\_name* (*cm\_policy\_id*) text segment count *cm\_seg\_count* should have been *cm\_seg\_count***

### Explanation

The metadata checker found a problem with a policy set text.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM1185E Cluster Manager policy set text table: Policy set *cm\_policy\_name* (*cm\_policy\_id*) text length *cm\_policy\_text\_len* should have been *cm\_policy\_text\_len***

### Explanation

The metadata checker found a problem with a policy set text.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTCM1186E OBSOLETE Cluster Manager policy set *cm\_table\_name* table is missing.**

### Explanation

The metadata checker found a missing policy set table.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTPC0076E The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting an interval.**

### Explanation

A non-interval expression was used where an interval expression was expected.

### Action

Correct the policy set and resubmit it.

---

**HSTPC0077E The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting an interval of type YEAR, MONTH, or YEAR to MONTH.**

### Explanation

A non-interval expression was used where an interval expression was expected, or the interval was not an interval of months and/or years.

### Action

Correct the policy set and resubmit it.

---

**HSTPC0078E** The SQL data type of expression *sql\_expression* is *sql\_data\_type*; expecting an interval of type SECOND, MINUTE, HOUR, DAY, or a combination of those.

### Explanation

A non-interval expression was used where an interval expression was expected, or the interval was not an interval of seconds, minutes, hours, days, or a combination of those.

### Action

Correct the policy set and resubmit it.

---

**HSTCM1187E** Cluster Manager policy set service class availability table should not exist.

### Explanation

The metadata checker found a service class applicability table when it expected there not to be one.

### Action

If the metadata check was run only in scan mode, run the metadata checker in repair mode to correct the problem. This error will still appear in repair mode, but the problem will be corrected.

---

**HSTGS0255I** Executing power off script: *power\_script\_cmdline*

### Explanation

When a metadata server detects the loss of another cluster metadata server, it may attempt to power off the lost peer by executing a script that uses the peer nodes systems management processor to remotely control the peer node power.

### Action

No action is required. Review the server and cluster logs to determine if the power management action was successful. The action will vary depending on whether the lost node was the master server or a subordinate.

---

**HSTGS0256I** Executing power on script: *power\_script\_cmdline*

### Explanation

When a metadata server powers off a peer it will attempt to power it back on using the remote power management interface of the peer node.



### Action

No action is required. Review the server and cluster logs to determine if the power management action was successful.

---

## **HSTGS0257E The metadata server is unable to execute the power management script *power\_script\_cmdline*.**

### Explanation

The metadataserver was unable to execute the power management script.

### Action

Check the installation and verify that the power management script is located in the metadata server bin directory. Check the permissions of the script. Consult the "Maintenance and Problem Determination Guide".

---

## **HSTGS0258I Power off of server *servername* succeeded.**

### Explanation

A metadataserver was powered off during cluster reformation. This may happen in situations when a metadataserver becomes unreachable via both the IP network and the SAN. For example, if the the operating system hangs or panics on a metadataserver it may be powered off during the cluster reformation to eject it from the cluster.

### Action

No action is required. Investigate the fault that led to the need to power off the peer metadata server.

---

## **HSTGS0259I Server *servername* has been successfully powered on.**

### Explanation

The metadataserver successfully powered on a peer MDS.

### Action

No action is required. Investigate the fault that led to the need to power cycle the peer metadata server.

---

## **HSTGS0260E Execution of the power management script failed with unexpected error code *error\_code*.**

### Explanation

Execution of the power management script failed.

### Action

Check the installation and verify that the power management script is located in the metadata server bin directory. Check the permissions of the script. Consult the

**HSTGS0261E The servername is invalid for the remote power management request. *servername*.**

**Explanation**

The servername specified in the remote power management request is invalid. This is usually caused by an invalid configuration of the remote service processor name. The service processor name must be the same as the metadata server servername property.

**Action**

Check the configuration of the RSA card or blade service processor to verify that the name is correctly set to the metadata server servername. Consult the "Maintenance and Problem Determination Guide".

---

**HSTGS0262E The power management request failed to logon to the local service processor.**

**Explanation**

The power management script failed to log onto the local service processor. This is usually caused by an invalid configuration or problems with the ibmasm driver software, or due to an invalid username or password.

**Action**

Check the configuration of the ibmasm driver software. Use the MPCLI tool to verify the ability to logon to the local service processor using the userid and password configured for this SAN.FS cluster. Consult the "Maintenance and Problem Determination Guide".

---

**HSTGS0263E The power management request failed to logon to the server *server* with system management ip *ip*.**

**Explanation**

The power management script failed to log onto the remote target via the IP network. This may be caused by an invalid configuration of the IP address, username, or password on the remote service processor. It may also be a result of invalid configuration of the SAN.FS cluster rsouser rsapassword configuration parameters. It may also be a result of network faults.

**Action**

Check the configuration of the SAN.FS configuration parameters and of the service processor configuration. Validate correct configuration by manually using the MPCLI tool to log on to the remote service processor via its IP interface. Consult the "Maintenance and Problem Determination Guide".

---

**HSTGS0264E** The power management request failed to logon to the server *server* over the RS-485 network.

**Explanation**

The power management script failed to log onto the remote target via the RS-485 network.

**Action**

Check the SAN.FS configuration parameters and the service processor configuration. Validate correct configuration by manually using the MPCLI tool to log on to the remote service processor via its the RS-485 network. Consult the "Maintenance and Problem Determination Guide".

---

**HSTGS0265E** The power management request failed to access blade *server* from the blade center management module.

**Explanation**

The power management script failed to log onto a blade by name via the from the BladeCenter management module.

**Action**

Check the configuration of the blade and verify the service processor name for the target blade is the same as the SAN.FS metadata server name for that blade. Validate correct configuration by manually using the MPCLI tool to log on to the BladeCenter and check the blade configuration. Consult the "Maintenance and Problem Determination Guide".

---

**HSTDI0059E** Failed to rename file *dio\_tmp\_name* to *dio\_file\_name*.

**Explanation**

A rename operation failed for a local file.

**Action**

Inspect the metadataserver log files for the name of the source and target filenames. Failure of the rename operation could indicate a problem with the local filesystem. Check the local filesystem on the metadata server engine.

---

**HSTTM0173W** CreateFileWithPolicy: Response not delivered, ToClient *tm\_client\_id*, TxnId *tm\_txn\_id*, Parent Directory *tm\_directory\_name*, Created File *tm\_object\_id* (*tm\_file\_name*)

**Explanation**

Response for the create file request is not delivered to the requesting client due to network error or invalid client.

### Action

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTTM0174E GetObjExtendedAttrTxn: Invalid extended attribute flag received. ClientId *tm\_client\_id*, TxnId *tm\_txn\_id*, Object Id *tm\_directory\_name*, ExtendedAttribute flag *0xtm\_extd\_attr***

### Explanation

Server received invalid extended attribute flag from client or message might be corrupted.

### Action

Make sure that your network and client are healthy.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTTM0175E TM: Mismatch on ExtendedObjAttrFlags enumeration.**

### Explanation

The consistency check for extended attribute flag values between STP and object manager failed. This message indicates a server internal error.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0176E TM: Server internal error detected. Function *tm\_function\_name*, Line *tm\_line\_no*,**

### Explanation

Server has detected an internal error.

### Action

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTFS0075W Destroy fsmap ignoring index pointer to leaf page ( Fileset=*fs\_fileset\_id* , PageNo=*fs\_page\_number* ) as it is found to be already unallocated.**

**Explanation**

While destroying a shadow free space map, an index page had a pointer to a leaf page that is not in allocated state. This may happen if there was a failure or server crash during a previous attempt to destroy the same free space map.

**Action**

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

**HSTFS0076W Destroy fsmap ignoring index pointer to leaf page ( Fileset=*fs\_fileset\_id* , PageNo=*fs\_page\_number* ) as it is found to be of unexpected page type PageType=0x*fs\_page\_type\_value*.**

**Explanation**

While destroying a shadow free space map, an index page had a pointer to a leaf page that is not of the right page type. This may happen if there was a failure or server crash during a previous attempt to destroy the same free space map and the page may have been reused elsewhere after being unallocated.

**Action**

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

**HSTFS0077W Destroy fsmap ignoring index pointer to leaf page ( Fileset=*fs\_fileset\_id* , PageNo=*fs\_page\_number* ) as it is found to contain unexpected positional information. Expected-LowBit=*fs\_exp\_bitno*, Actual-LowBit=*fs\_act\_bitno*, Expected-LeftSibling=*fs\_exp\_lsib*, Actual-LeftSibling=*fs\_act\_lsib*, Expected-RightSibling=*fs\_exp\_rsib*, Actual-RightSibling=*fs\_act\_rsib*.**

**Explanation**

While destroying a shadow free space map, an index page had a pointer to a leaf page that has unexpected positional information. This may happen if there was a failure or server crash during a previous attempt to destroy the same free space map and the page may have been reused elsewhere after being unallocated.

**Action**

This is an informational message only, and the metadata server has internally corrected the problem. The server log information should be retained and supplied to your service representative.

---

**HSTFS0078W WARNING: Server failed to apply lock partition updates due to the invalid start block number. StartBlockNo=*fs\_bit\_no* BlockCount=*fs\_bit\_count* PartitionState=*fs\_range\_state* RangeLowBlockNo=*fs\_bit\_no* RangeHighBlockNo=*fs\_bit\_no***

**Explanation**

The metadata server failed to apply partition updates. This failure is caused due to the out of range block number.

**Action**

View the logs on the specified server to view details of the metadata corruption and repair. Run metadata checker after system upgrade is done to validate the system metadata.

---

**HSTSC0589W Policy attribute's installation id does not match with current system installation id. Policy Attributes= *sc\_policy\_attr*.**

**Explanation**

Restoring data from previous installation will generate this message. Because of the installation mismatch, server will use all other attributes except storage pool id from the policy attribute. Server will internally evaluate storage pool for this object.

**Action**

Make sure that you are restoring from correct backup. If your purpose is to restore from old installation then ignore this message.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your SAN configuration for problems.

---

**HSTCM1188W Fileset workload distribution which was previously balanced is now out of balance.**

**Explanation**

There were changes in the server or fileset configuration that caused the fileset workloads which were previously balanced to be now out of balance. This SNMP alert gets generated only the first time the workload gets unbalanced. It will not be generated if the degree of unbalance changes.

**Action**

Run the rebalancefileset command with the -report option to preview the fileset movement actions required to rebalance the workload. Run the rebalancefilesets command to rebalance the fileset workloads.

---

**HSTCM1189W Fileset workload distribution is out of balance.**  
Previous required fileset movements for rebalance = *cm\_prev\_movts*.  
New required fileset movements for rebalance = *cm\_new\_movts*.

**Explanation**

There were changes in the server or fileset configuration that caused the fileset workloads to get into or still remain in an out of balance state.

**Action**

Run the `rebalancefileset` command with the `-report` option to preview the fileset movement actions required to rebalance the workload. Run the `rebalancefilesets` command to rebalance the fileset workloads.

---

**HSTCM1190I Fileset workload distribution is now balanced. Previous required fileset movements for rebalance = *cm\_prev\_movts*.**

**Explanation**

The filesets workload distribution that was previously out of balance is now in balanced state.

**Action**

None.

---

**HSTGS0266W *local\_name* cannot access the RSA card on *target\_name* at ip *target\_ip* (rc= rc).**

**Explanation**

Each metadata server in a cluster does a periodic check of the reachability of all remote power off functions on all peer metadata servers. This SNMP alert and log message is raised when a metadata server is unable to access the power off function on a peer metadata server. Certain faults may not be handled automatically by the cluster when peer nodes cannot access each others remote power off function. The cause of this problem is normally related to either an issue with the RSA configuration on the unreachable peer, but may also be due to network faults.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health. View the operating system log on the server machine. Check your network health and RSA configuration and health on all metadata servers.

---

**HSTTM0177I A dynamic lease period update has committed. Old lease period= *lp*, new lease period= *pending\_lp*.**

**Explanation**

The metadata server has committed a dynamic lease period update. The lease period is committed on the server side when it is certain that no client is currently identified with this server that has a lease period less greater than the pending server side lease period.

**Action**

No action is required. This message is informational only to verify a system wide change in lease period.

---

**HSTTM0178I FlashCopy cleaner: finished processing fileset *cm\_fileset\_name*, run time: *run\_time* seconds, objects cleaned: *count* (*count* updates, *count* deletes).**

**Explanation**

The FlashCopy cleaner has finished cleaning the specified fileset.

**Action**

No action is required.

---

**HSTTM0179I FlashCopy cleaner: *percent* percent done processing objects in fileset *fileset\_name*.**

**Explanation**

The FlashCopy cleaner is reporting an estimation of the progress made in cleaning the specified fileset.

**Action**

No action is required.

---

**HSTTM0180E TM: Mismatch on BkupRestoreFlags enumeration.**

**Explanation**

The consistency check for backup/restore flag values between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

**HSTTM0181E TM: Mismatch on stp and object manager policy attribute struct size.****Explanation**

The consistency check for policy attribute structure between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTTM0182E TM: Mismatch on stp and object manager policy based object create flags.****Explanation**

The consistency check for policy based object create flags between STP and object manager failed. This message indicates a server internal error.

**Action**

Examine the server logs for other messages from the same time period to determine the cause of the fault.

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTDB0048E CleanWorkload: WAL Size estimation failed with Error=*db\_result\_code*.****Explanation**

An error occurred while estimating Write Ahead Log size before recovery by doing binomial search of valid Write Ahead Log pages.

**Action**

View metadata server logs for cause of the failure. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTDB0049S Database management layer failed to allocate memory.  
*db\_function: db\_line*****Explanation**

The metadata server has encountered an unexpected out-of-memory error.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

## **HSTDB0050S Unable to create thread *db\_thread\_name***

### **Explanation**

An error occurred while starting a new server thread.

### **Action**

Make sure that you have enough resources on your system. Check server logs to determine exact cause of the fault. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

## **HSTDB0051E CleanWorkload: Commit transaction failed.**

**RC=*db\_result\_code*.**

### **Explanation**

Failed to commit the transaction during workload recovery.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

## **HSTDB0052E CleanWorkload: Lock Page failed. SpaceId=*db\_space\_id*, PageNo=*db\_page\_number*, RC=*db\_result\_code*.**

### **Explanation**

Failed to lock a dbspace page during workload recovery.

### **Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

## **HSTDB0053S USN mismatch. SpaceId=*db\_space\_id*, PageNo=*db\_page\_number*, PageUSN=*db\_page\_usn*, prevUpdateUSN=*db\_previous\_usn*, scanUSN=*db\_scan\_usn*, pageEpoch=*db\_page\_epoch*, walEpoch=*db\_wal\_epoch*.**

### **Explanation**

The unique sequence number on the page does not match the expected unique sequence number in the write ahead log record during workload recovery. The metadata server will abort.

## Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

### **HSTGS0267I Power off of *servername* requested with power already off. No action is required.**

## Explanation

An attempt was made to power off a peer metadataserver while the power of that peer was already off. Power off attempts happen when a metadataserver becomes unreachable via both the IP network and the SAN. For example, if the the operating system hangs or panics on a metadataserver it may be powered off during the cluster reformation to eject it from the cluster. If the power is already off when the power off request is executed, no action is required and the operation is treated as a success.

## Action

No action is required. Investigate the fault that led to the need to power off the peer metadata server.

---

### **HSTSC0590S Invalid gap length detected while allocating blocks for a Fixed Allocation Policy file. Fileset : &1, Storage Pool : &2, File : &3. &4, Segment : &5, Gap Start RBN : &6, Gap Length : &7, Allocation Unit : &8.**

## Explanation

An invalid gap length was detected while trying to allocate blocks for a Fixed Allocation Policy file (the gap length should always be a multiple of the allocation unit). This indicates metadata corruption.

## Action

Run the metadata checker to verify the integrity of the system. Based on the results, run the metadata checker in repair mode or consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

### **HSTSC0591S Invalid blocks allocated for a Fixed Allocation Policy file. Fileset : &1, Storage Pool : &2, File : &3. &4, Segment : &5, Gap Start RBN : &6, Gap Length : &7, Alloc Start Block : &8, Blocks Allocated : &9, Allocation Unit : &10.**

## Explanation

An invalid number of blocks were allocated (the number of blocks allocated should always be a multiple of the allocation unit) OR the blocks were allocated at an invalid block number (the block number of the first allocated block should always be a multiple of the allocation unit).

## Action

Run the metadata checker to verify the integrity of the system. Based on the results, run the metadata checker in repair mode or consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTDP0021E Dispatcher failed to schedule 'dsp\_action\_desc' action. Failure is in file (dsp\_file\_name: dsp\_line\_number). ReturnCode= dsp\_return\_code.**

## Explanation

Metadata server dispatcher failed to schedule action. This is a server internal error.

## Action

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health. Contact your service representative for additional assistance.

---

**HSTCM1191E Cluster manager failed to send reliable message to nodeId= (cm\_node\_id). Message type= (cm\_msg\_type), Long Process Id= (cm\_long\_proc\_id), CommandType= (cm\_cmd\_type), CommandStatus= (cm\_cmd\_status), DataLength= (cm\_data\_length), NumberOfRetries= (cm\_num\_retry), ReturnCode= (cm\_return\_code).**

## Explanation

The metadata server cluster manager failed to send a message to the target node. This failure can occur if a cluster transition has been initiated by group services or if there is a problem with network connectivity between this node and the target node.

## Action

This error can be caused if there is a problem with network connectivity between this node and the target node. Check the operating system log on both hosts for networking errors. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTLV0203E Local volume manager failed to send reliable message to nodeId= (lvm\_node\_id). Message type= (lvm\_msg\_type), Long Process Id= (lvm\_long\_proc\_id), CommandType= (lvm\_cmd\_type), CommandStatus= (lvm\_cmd\_status), DataLength= (lvm\_data\_length), NumberOfRetries= (lvm\_num\_retry), ReturnCode= (lvm\_return\_code).**

## Explanation

The metadata server logical volume manager failed to send a message to the target node. This failure can occur if a cluster transition has been initiated by group

services or if there is a problem with network connectivity between this node and the target node.

### **Action**

This error can be caused if there is a problem with network connectivity between this node and the target node. Check the operating system log on both hosts for networking errors. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTLM0033I SessionLockImplicitSteal Failed: objId = *lm\_object\_id*,  
clientId = *lm\_client\_id*, RC = *lm\_rc*.**

### **Explanation**

The implicit steal of session lock failed due to either fileset is offline offline is in progress.

### **Action**

No action is required.

---

**HSTLM0034I DataLockImplicitSteal Failed: objId = *lm\_object\_id*,  
clientId = *lm\_client\_id*, RC = *lm\_rc*.**

### **Explanation**

The implicit steal of data lock failed due to either fileset is offline or offline is in progress.

### **Action**

No action is required.

---

**HSTCM1192E mkvol: Failed to get host name. Error = *cm\_result\_code*.**

### **Explanation**

During mkvol, could not get hostname because gethostname or gethostbyname had a failure.

### **Action**

Make sure that networking and DNS settings are proper on the MDS server. Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

Check your cluster configuration and retry this command.

---

**HSTPG0081W Warning. Could not set process file size resource limit. Resource limit value remains (*pgm\_resource\_limit*).**

**Explanation**

Metadata server failed to set process file size resource limit.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTPG0082W Warning. Could not set process file descriptor resource limit. Resource limit value remains (*pgm\_resource\_limit*).**

**Explanation**

Metadata server failed to set process file descriptor resource limit.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTDI0060E DI0: *dio\_command\_name* failed for disk *dio\_disk\_name* at offset *dio\_offset* and count *dio\_count* on file descriptor *dio\_file\_descriptor*: errno *dio\_result\_code*.**

**Explanation**

A read or write i/o operation failed with the specified error.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTDI0061E DI0: *dio\_command\_name* failed for disk *dio\_disk\_name* at offset *dio\_offset* on file descriptor *dio\_file\_descriptor* attempted count *dio\_byte\_count* actual count *dio\_byte\_count*.**

**Explanation**

A read or write i/o operation failed with a short count.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions on assessing system health.

---

**HSTSC0592E Assigned object id: *AssignedObjectId* is invalid. Last assigned Object ID: *LastObjectId* for fileset *fileset\_name***

**Explanation**

The metadata server assigned an invalid object ID. Therefore, the object was not created.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0593E The global record *hwmOID* ( *hwmOID* ) is invalid. Assigned Object ID: *NewObjectId* for fileset *fileset\_name***

**Explanation**

The new high water mark for assigned object ids is less than the new object id.

**Action**

Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.

---

**HSTSC0594E Fileset object ID is zero for fileset *filesetName* CID = *filesetId***

**Explanation**

The object's id is invalid. It is corrupt and needs to be repaired.

**Action**

Run the metadata checker in repair mode to repair the object.

---

**HSTGS0268W The network connectivity check detected that the ethernet bonding interface *name* (*ip*) is not fully functional and may have lost network redundancy.**

**Explanation**

The network connectivity check has determined that one or more ethernet bonding slave network interfaces are inactive. As a result, the engine may have no network redundancy or no network connectivity.

**Action**

Check the SAN File System engine network components for correct connectivity.

---

**HSTCM1193W Warning. Attempt to unload library *cm\_lib\_path* failed with error *cm\_error\_string*.**

**Explanation**

The server failed to unload the library used to interact with the directory service.

**Action**

No action is required.

---

**HSTGS0269W Ethernet bonding is not being used. IP address *gs\_ip\_address* is bound to a interface *gs\_nic\_name* which does not have ethernet bonding.**

**Explanation**

The IP address specified in the metadata server configuration is not bound to an ethernet bonding network interface.

**Action**

This is a warning that the metadata server is not using ethernet bonding which is important to provide network redundancy at the link level for high availability. To configure ethernet bonding, refer to the "Installation and Configuration Guide". If ethernet bonding was configured on this system, check the network configuration to make sure it is correct.

---

**HSTLV0204E LVM: Failed to find the master disk.**

**Explanation**

Verification of system volume failed because no master disk found.

**Action**

Make sure that the SAN is functioning correctly and that all expected disks are available.

---

**HSTLV0205W Warning. LVM: *verify\_volumes*: Number of LVM disks (*DiskTableCount*), != number of GIO disks (*SystemDiskCount*).**

**Explanation**

The server did not find the correct number of system disks. The log message indicates the number that it expects (LVM disks) and the number that it actually found (GIO disks).

**Action**

Make sure that the SAN is functioning correctly and that all expected disks are available.



---

**HSTLV0206E LVM: verify\_volumes: An unexpected user disk was found: disk ID = *diskID*, Volume Name= *volumeName*.**

**Explanation**

The server expected to find a system disk, but found one that is labeled as a user disk.

**Action**

Make sure that the reported disk is available and is the correct type.

---

**HSTLV0207E LVM: verify\_volumes: The server did not find the system disk with the disk ID of *diskID* and volume name is '*volumeName*'.**

**Explanation**

The server expected to find a system disk that was not found on the SAN.

**Action**

Make sure that the reported disk is available.

---

**HSTLV0208W Warning. LVM: verify\_volumes: Server found a partially removed system disk. DiskId = *diskID* and volume name = '*volumeName*'.**

**Explanation**

The metadata server found a volume in the system table but it was not found during the disk scan. This volume metadata indicates the volume is not being used and that allocations have been suspended. If this volume was recently removed and the remove failed, this condition is normal.

**Action**

Check server logs to determine exact cause of the fault. If a previous remove volume operation on the volume failed, then removing the volume again should fix this problem. Consult the "Maintenance and Problem Determination Guide" for suggestions for assessing system health.



---

## Chapter 184. System metadata messages

This section provides the messages that can be generated by system metadata on SAN File System clients.

---

### **HSTRE0001E Fatal error: getopt() failed. ARGV = *ARGV\_value***

#### **Explanation**

The command line had incorrect arguments or syntax. The original argument values are listed as ARGV = arguments.

#### **Action**

Run the command again using only the arguments and syntax specified by the usage example that is printed with the above error message.

---

### **HSTRE0002E Cannot open file *input\_filename* for reading.**

#### **Explanation**

The file specified for input could not be opened for reading. The input file is either the file specified using the option `--input=index_dump_file` or the default input file:

```
/usr/tank/server/DR/Index_Dump_File
```

#### **Action**

Check the following settings, and make the necessary corrections before executing the script again:

1. Check for the correct input filename specified with `--input=index_dump_file`
2. Check for the correct permissions on the input file to allow read privileges by the user invoking the script.
3. Check to make sure that the script is being invoked by a user who is intended to have read permissions for the input file.

Run the script again.

---

### **HSTRE0003E Cannot open file *output\_filename* for writing.**

#### **Explanation**

The file specified for output could not be opened for writing. The output filepath is constructed using the option to specify the output directory `--output=output_directory` and one of three output filenames.

The three output filepaths using the optional output directory are:

```
output_directory/TankSysCLI.auto  
output_directory/TankSysCLI.volume  
output_directory/TankSysCLI.attachpoint
```

The three default output filepaths are:  
/usr/tank/server/DR/TankSysCLI.auto  
/usr/tank/server/DR/TankSysCLI.volume  
/usr/tank/server/DR/TankSysCLI.attachpoint

### Action

Check the following settings, and make the necessary corrections before executing the script again:

1. Check for the correct output directory specified with `--output=output_directory`
2. Check for the correct permissions on the output directory to allow write privileges by the user invoking the script. The output directory permissions must allow the user to create a file for writing in the output directory.
3. Check to make sure that the script is being invoked by a user who is intended to have write permissions in the output directory.

Run the script again.

---

## HSTRE0004E Unknown index type = *index\_type* found

### Explanation

The input file used as the `Index_Dump_File` contained a line in which the first field did not match one of the valid index types. The latest valid index types can be determined by referring to the script. The current valid index types are:

AttachPoint  
ClusterId  
Date  
DiskEpoch  
Fileset  
InstallId  
MasterNode  
PolicySet  
StgPool  
SvcClass  
Version  
Volume

### Action

Check the input file used for the `Index_Dump_File` and determine the line and index type that are incorrect.

Run the `"fscli startmetadatacheck"` command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

## HSTRE0005E Unknown line type was found. The incorrect input line is '*line\_contents*'

### Explanation

The input file used as the `Index_Dump_File` contained a line which is not a valid Index Header Line (first field followed by one colon :) or a valid Index Data Line (first field followed by two colons ::). Therefore the line does not match the required format. The complete incorrect input line is printed after the error message above.

## Action

Check the input file used for the Index\_Dump\_File and determine which line is incorrect. The incorrect line is printed in the error message. The line does not have exactly one or two colons after the first field, which is the Index Type field.

Run the "sfscli startmetadatabasecheck" command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

## HSTRE0006E Cannot find Root Fileset AttachPoint entry in dump file *dump\_file*

### Explanation

The input file used as the Index\_Dump\_File is missing a line which has the index type AttachPoint and identifies the root fileset attach point.

Here is the syntax of the line with index type AttachPoint:

```
[AttachPoint]: filesetId, localOID, parentFilesetId, parentObjectId, attachPointName, attachPath
```

Note that the line with the root fileset attach point must have these values:

```
parentFilesetId = 0  
parentObjectId = 0  
attachPath = (empty)
```

Here is an example of what this line should look like:

```
[AttachPoint]::3,1,0,0,SANFS,
```

### Action

Check the input file used for the Index\_Dump\_File and determine which line is incorrect or missing. This should be the first line with the index type AttachPoint.

Run the "sfscli startmetadatabasecheck" command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

## HSTRE0007E Cannot find SMDR Version in dump file *dump\_file*

### Explanation

The input file used as the Index\_Dump\_File is missing a line which has the index type Version. Here is an example line:

```
[Version]::1.0.0-st1_0323
```

### Action

Check the input file used for the Index\_Dump\_File and determine which line is incorrect or missing. There should be exactly one line with the index type Version.

Run the "sfscli startmetadatabasecheck" command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

**HSTRE0008E** rename ( *filename.tmp* , *filename* ) failed: ERRNO = *error\_number*

### Explanation

The perl script function rename could not rename the temporary file filename.tmp to filename.

### Action

Check the current file permissions on the output directory and filename to verify that the file is not readonly. The file should allow rename to overwrite the previous contents if the file exists, or create a new file if it does not exist.

Run the script again after making the necessary corrections.

---

**HSTRE0009E** mkpool parameter *-partsize part\_size* for pool *pool\_name* is not valid.

### Explanation

The input file used as the Index\_Dump\_File has a line which has the index type StgPool and contains a partSize that is not valid.

Here is the syntax of the line with index type StgPool:

```
[StgPool]: ID, Name, lastAlloc, blockSize, allocSize, partSize, volCount, isDefault, alertPct, alloc
```

Here is an example of a line with index type StgPool:

```
[StgPool]::3,testpool0,0,4096,0,16777216,0,0,80,16552,pool0 description
```

Note that the mkpool parameter *-partsize* value must be either 16, 64, or 256 megabytes. The Index\_Dump\_file value of the field *partSize* is in bytes. To calculate the *-partsize* value, we normalize by  $2^{20}$  so we divide *partSize* in bytes by 1048567 and round down to an integer. In the above [StgPool] example the *-partsize* value is 16 because `'int ( 16777216 / 1048567 )'` is equal to 16.

When the Index\_Dump\_file has the correct *partSize* values, then the resulting TankSysCLI.auto output file created by `sys_metadata_dr.pl` will have mkpool commands that have *-partsize* values of 16, 64, or 256. Here are some examples of valid mkpool commands:

```
mkpool -partsize 16 -thresh 80 testpool1
mkpool -partsize 64 -thresh 80 testpool2
mkpool -partsize 256 -thresh 80 testpool3
```

### Action

Check the input file used for the Index\_Dump\_File and determine the StgPool line that is incorrect and has a *partSize* that is not valid. Under normal operation the *partSize* should always have a valid value.

Run the `"sfscli startmetadatabasecheck"` command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

## HSTRE0010E mkpool parameter `-allocsize alloc_size` for pool `pool_name` is not valid.

### Explanation

The input file used as the Index\_Dump\_File has a line which has the index type StgPool and contains an allocSize that is not valid.

Here is the syntax of the line with index type StgPool:

```
[StgPool]: ID, Name, lastAlloc, blockSize, allocSize, partSize, volCount, isDefault, alertPct, all
```

Here are examples of lines with index type StgPool:

```
[StgPool]::8,testpool5,0,4096,1,16777216,0,0,80,13164,pool5 description  
[StgPool]::9,testpool6,0,4096,32,16777216,0,0,80,25965,pool6 description
```

The Index\_Dump\_file value of the field allocSize is in 4K byte blocks. Note the values of allocSize in the example lines above are 1 and 32. Note that the mkpool parameter -allocsize value when used must be either 4 or 128 kilobytes. To calculate the -allocsize value we multiply allocSize by 4. In the above [StgPool] examples, the -allocsize values are  $1*4=4$  and  $32*4=128$ .

The resulting TankSysCLI.auto output file created by sys\_metadata\_dr.pl should then have mkpool commands that have -allocsize values of 4 or 128 if the input file allocSize is nonzero (1 or 32).

Here are the corresponding examples of the valid mkpool commands:

```
mkpool -partsize 16 -allocsize 4 -thresh 80 testpool5  
mkpool -partsize 16 -allocsize 128 -thresh 80 testpool6
```

### Action

Check the input file used for the Index\_Dump\_File and determine which StgPool line that is incorrect and has a partSize that is not valid. Under normal operation, the allocSize should always have a valid value.

Run the "sfscli startmetadatabasecheck" command to check for any metadata corruptions. Then consult with IBM Service on how to proceed.

---

## HSTRE0011E `script_name`: Caught SIGsignal\_number. Removing temporary files and shutting down

### Explanation

The signal handler has been called to handle an incoming signal. Typically the user or another process has sent a INT or QUIT signal. The current temporary files are removed. The perl script is exited.

### Action

The perl script was interrupted by an incoming signal. You might want to determine what caused the signal.

Run the script again when ready.





---

## Chapter 185. TMVT messages

This section provides the TMVT messages.

---

**HSTPV0001E** *tmvt: terminated due to a fatal error: error\_message.*

### Explanation

The tmvt program failed due to the error\_message displayed. The error\_message might be the errno string if no internal error\_message was provided.

### Action

Review the error\_message displayed to determine the appropriate action to correct the error.

---

**HSTPV0002E** *tmvt: terminated due to a fatal error: error\_message: error\_message2.*

### Explanation

The tmvt program failed due to the error\_message displayed. The error\_message might be the errno string if no internal error\_message was provided. An additional error\_message2 is also displayed to provide additional information.

### Action

Review the error\_message and error\_message2 displayed to determine the appropriate action to correct the error.

---

**HSTPV0003E** *tmvt: timeout value (timeout\_value) must be an integer from 1 to maximum\_timeout\_value*

### Explanation

The timeout value specified on the command line was not within the allowed range.

### Action

Run the tmvt command again and specify a timeout value within the allowed range.

---

**HSTPV0004E** *tmvt: unexpected command line argument(s):*

### Explanation

The unexpected command line arguments are displayed at the end of this error message.

## Action

Check the `tmvt` usage statement for the correct command line arguments and compare with the unexpected command line arguments. Run the `tmvt` command again with the correct command line arguments.

---

## Chapter 186. HSTPV0005E *tmvt*: could not open report file *report\_filename: error\_message*.

### Explanation

The report file could not be opened for writing. The errno string is displayed as the final *error\_message*.

### Action

Check the *error\_message* for the reason the report file could not be opened. Check the report filepath and parent directories and permissions. Check to be sure the filepath can be opened for writing. Run the *tmvt* command again after creating the missing directories or correcting the directory or file permissions.



---

## **Chapter 187. HSTPV0006E INVALID: machine name could not be determined. It must be configured.**

### **Explanation**

The tmvt program failed to fetch and report the name of the UNIX host. The machine name was not set or could not be retrieved using uname.

### **Action**

Check the machine name settings on the machine. Run the command 'uname -n' to determine which machine name is output.



---

**Chapter 188. HSTPV0007E Machine: *machine\_name* FAILS TO COMPLY with requirements of *component\_name* release *version\_regular\_expression*, build *version\_level*.**

**Explanation**

An error occurred when evaluating the system, indicating that the system is not compliant with the required recipe. This is a summary message indicating that other failures have been detected.

**Action**

Investigate the error messages and report to determine what is required to make the system compliant.





---

## Chapter 189. HSTPV0008E Machine Name: *machine\_name* evaluation stopped due to a fatal error.

### Explanation

The evaluation report could not be completed due to a fatal error.

### Action

Review the error messages and attempt to correct the problem before running the `tmvt` command again.



---

## Chapter 190. HSTPV0009E The *group\_name* group fails to comply with the requirements of the recipe.

### Explanation

The named component group does not comply with the recipe.

### Action

Check the other error messages and report to determine why this component group does not comply. Correct the system or the recipe before running tmvt again.



---

## Chapter 191. HSTPV0010E *group\_name*: stopped due to a fatal error.

### Explanation

The named component group failed the validation test.

### Action

Check the error messages to identify the system problem. Correct the system or the recipe before running tmvt again.



---

## Chapter 192. HSTPV0011E *error\_type: component\_description: remedy.*

### **Explanation**

The error message displayed is composed of the error type that occurred, followed by the component description and the remedy.

### **Action**

Correct the system based on the error message remedy, then run tmvt again.





---

**Chapter 193. HSTPV0012E MISSING: any combination of at least *number\_required* of the following items must be installed or configured (*number\_installed* were located):**

**Explanation**

The tmvt detected a missing item required in a combination.

**Action**

Install the missing items and run tmvt again.



---

## Chapter 194. HSTPV0013E INVALID: A machine architecture type of *machine\_type* was expected.

### Explanation

The machine architecture type was determined, and it did not match the machine architecture type that was expected.

### Action

Check to be sure that the machine architecture type of the machine you are installing is supported by the SAN File System.



---

**Chapter 195. HSTPV0014E INVALID: The machine architecture type could not be determined. A machine architecture type of *machine\_type* was expected.**

**Explanation**

The machine architecture type could not be determined, and could not be compared to the machine architecture type that was expected.

**Action**

Check to be sure that the machine architecture type of the machine you are installing is supported by the SAN File System.



---

## Chapter 196. HSTPV0015E FORBIDDEN: The machine architecture type *machine\_type* is not supported.

### Explanation

The machine architecture type *machine\_type* is not one of the architecture types supported by SAN File System.

### Action

Check the SAN File System documentation for the list of machine types that are supported by SAN File System.





---

**Chapter 197. HSTPV0016E Not enough memory is installed in the machine. A minimum of *memory\_size* Kilobytes must be installed.**

**Explanation**

The machine does not have enough memory to run the SAN File System.

**Action**

Install the minimum required memory before attempting to install the SAN File System.



---

**Chapter 198. HSTPV0017E INVALID: The amount of memory installed in the machine could not be determined. A minimum of *memory\_size* Kilobytes must be installed.**

**Explanation**

The amount of memory installed in the machine could not be determined, so it is not known if there is enough memory to install and run the SAN File System.

**Action**

Verify that the machine has the minimum amount of memory required before attempting to install the SAN File System. This might require installing more memory.



---

**Chapter 199. HSTPV0018E INVALID: Operating System.**  
**Expected:** *os\_value*, **release** *release\_value*.

**Explanation**

The Operating System detected was not a supported type or version.

**Action**

Upgrade the Operating System to match the expected type and version that is printed in the error message.



---

## Chapter 200. HSTPV0019E FORBIDDEN: Operating System is not supported: *os\_value*, release *release\_value*.

### Explanation

The Operating System is not supported by SAN File System.

### Action

Upgrade the Operating System to match the required release level, or select a machine that already has the supported Operating System and release level before installing SAN File System. Check the SAN File System documentation for a list of supported Operating Systems and release levels.





---

## Chapter 201. HSTPV0020E INVALID: Expected *value*.

### **Explanation**

Invalid condition is detected. The expected value is included as part of the error message.

### **Action**

Check to determine why the expected value was not detected.



---

## Chapter 202. HSTPV0021E MISSING: Install and configure a Remote Supervisor Adapter II card, revision *revision\_value*, firmware level *firmware\_value*, driver *driver\_value*, and its RS-485 network.

### Explanation

The required Remote Supervisor Adapter II card could not be located by examining the table of USB devices provided by the operating system.

### Action

Install and configure a Remote Supervisor Adapter II card. If one has already been installed, perform diagnostics as described in the Remote Supervisor Adapter II manuals or in the SAN File System "Maintenance and Problem Determination Guide".



---

**Chapter 203. HSTPV0022E FORBIDDEN: A service processor of type *service\_processor\_type* is not supported.**

**Explanation**

The current installed service processor is not compatible with SAN File System.

**Action**

Remove the currently installed service processor, and install a service processor that is compatible with SAN File System.



---

## Chapter 204. HSTPV0023E MISSING: *value*: A minimum of *number* must be installed and configured.

### Explanation

A controller of type *value* is missing. The number indicated gives the amount which must be installed and configured.

### Action

Install and configure the required controller or controllers. If the required number have been installed, perform diagnostics as described in the documentation.





---

**Chapter 205. HSTPV0024E FORBIDDEN: *FCHBA\_vendor*  
*FCHBA\_model* Fibre Channel Host Bus Adapters are not supported.**

**Explanation**

The specified Fibre Channel Host Bus Adapters are not supported by SAN File System.

**Action**

Remove the specified Fibre Channel Host Bus Adapters before attempting to install SAN File System.



---

## **Chapter 206. HSTPV0025E FORBIDDEN:**

*Ethernet\_Controller\_vendor Ethernet\_Controller\_model*

**Ethernet controllers are not supported.**

### **Explanation**

The listed vendor and model of Ethernet controllers are not supported by the SAN File System.

### **Action**

The marked Ethernet controllers must be removed from the machine on which you will be using the SAN File System.



---

## **Chapter 207. HSTPV0026E MISSING: There does not appear to be a connection to an IP network.**

### **Explanation**

An IP network must be enabled and configured for SAN File System.

### **Action**

Follow the operating system procedures for configuring your network controllers for TCP/IP.



---

## **Chapter 208. HSTPV0027E FORBIDDEN: TCP/IP must not be enabled; use ifconfig to remove its configuration.**

### **Explanation**

This message will not be displayed by SAN File System 2.1.

### **Action**

If you receive this message when running SAN File System 2.1 contact your service representative.





---

## **Chapter 209. HSTPV0028E INVALID: The product is not supported for the current machine.**

### **Explanation**

The Machine Type/Model of the machine on which you are running SAN File System is not supported.

### **Action**

Check the supported product matrix in the SAN File System documentation for the supported Machine Types and Models.



---

## Chapter 210. HSTPV0029E INVALID: Expected *BIOS\_level*. Update the machine BIOS to this level.

### Explanation

The BIOS level detected on the machine is either out-of-date or a future version which is not yet supported by SAN File System.

### Action

Install a BIOS level supported by SAN File System. Check the SAN File System documentation for the supported BIOS versions.



---

## **Chapter 211. HSTPV0030E MISSING: The machine type and model could not be retrieved.**

### **Explanation**

The machine did not respond correctly to the request for the Machine Type/Model.

### **Action**

- Ensure the Remote Supervisor Adapter II card is installed and functioning.
- Ensure that the mpcli module is installed correctly.



---

## **Chapter 212. HSTPV0031E The machine name, kernel version, or architecture could not be determined.**

### **Explanation**

The tool requires the operating system version and the architecture in order to select the correct recipe for validation. The machine name is also used for reporting purposes.

### **Action**

For Linux machines, ensure that the "uname" command returns correctly.





---

## Chapter 213. HSTPV0032E The software package *package\_name* could not be located on the system.

### Explanation

The package named could not be located on the system using the software installation mechanism provided with the operating system.

### Action

Locate the package required and install it. The package version will be described within the recipe file.



---

## Chapter 214. HSTPV0033E The software package *package\_name* is at version *version\_id* which is not supported.

### Explanation

The software package *package\_name* is installed on your system at level *version\_id*. This version is not supported.

### Action

Locate the version required and install it. The package version will be described within the recipe file. Note that this may require you to backlevel the software to fit within the recipe.



---

## Chapter 215. HSTPV0034W The software package *package\_name* is not known.

### Explanation

The software package *package\_name* is not defined within the software recipe. This package might not be compatible with SAN File System.

### Action

Note which packages fall into this category. If you encounter a problem while running SAN File System, IBM technical support might ask you to remove these packages.



---

**Chapter 216. HSTPV0035I Machine *machine\_name* complies with requirements of SAN File System version *version\_id*, build *build\_level*.**

**Explanation**

The machine met the requirements set forth in the recipe pertaining to this kernel version and architecture.

**Action**

No action is required. This is an informational message.





---

**Chapter 217. HSTPV0036E Unexpected *unexpected\_string* found on line *line\_number*. Expected: *token\_list***

**Explanation**

The recipe file has a syntax error on line *line\_number*.

**Action**

If you have edited the recipe file manually, verify that your changes are correct. If you have not edited the recipe file manually, contact your service representative.



---

## Chapter 218. HSTPV0037E Reading the recipe file encountered an error near line *line\_number*.

### Explanation

The recipe file has a syntax error on line *line\_number*.

### Action

If you have edited the recipe file manually, verify that your changes are correct. If you have not edited the recipe file manually, contact your service representative.



---

## Chapter 219. HSTPV0038W An extra *initial keyword* keyword was found on line *line\_number*. This line will be discarded.

### Explanation

The MEMORY, DISKSPACE, and RSA2 tokens only support one entry per recipe. Any extra lines with these tokens will be discarded.

The MEMORY and DISKSPACE lines describe a single type of fixed resource, so only one value makes sense. The RSA2 token describes supported firmware levels on a single type of card.

### Action

If you have edited the recipe file manually, verify that your changes are correct. If you have not edited the recipe file manually, contact your service representative.



---

## **Chapter 220. HSTPV0039E Due to failures reading and processing the recipe file, no checks will be performed.**

### **Explanation**

This is a summary message indicating earlier errors related to reading the recipe file.

### **Action**

Take action as prescribed by earlier messages.





---

**Chapter 221. HSTPV0040E No software recipe was found for kernel version *kernel\_version* on an architecture of *architecture\_type*. This combination is not supported.**

**Explanation**

The recipe file does not list an acceptable recipe for the kernel version and architecture discovered by the machine. Because no recipe can be found, this is not a supported kernel version.

**Action**

Examine the recipe file and locate lines beginning with the keyword "KERNEL" for the supported combinations. Then, select an appropriate combination and install SAN File System after modifying the kernel or selecting a new machine.



---

## **Chapter 222. HSTPV0118E An IP address was specified, but not the user name or password.**

### **Explanation**

When specifying the IP address of the RSA card, the user must also specify the user name and password for the RSA card.

### **Action**

Check the tmvt usage statement for the correct command line arguments and compare with the unexpected command line arguments. Run the tmvt command again with the correct command line arguments.



---

## Chapter 223. HSTPV0119E You must run tmvt as the root user to use -V or --VPD

### Explanation

The -V or --VPD option was specified by a non root user.

### Action

Check the tmvt usage statement for the correct command line arguments and compare with the unexpected command line arguments. Run same tmvt command again as the root user or run the tmvt command with the correct command line arguments



---

## Chapter 224. HSTPV0121I Password:

### **Explanation**

This allows the password prompt to be displayed in the proper language.

### **Action**

Enter the password when prompted.





---

## Chapter 225. HSTPV0123E You must run tmvt as the root user to use -L or --local

### Explanation

The -L or --local option was specified by a non root user.

### Action

Check the tmvt usage statement for the correct command line arguments and compare with the unexpected command line arguments. Run same tmvt command again as the root user or run the tmvt command with the correct command line arguments



---

## Appendix A. Accessibility

This topic provides information about the accessibility features of SAN File System and its accompanying documentation.

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully.

### Features

These are the major accessibility features in SAN File System:

- You can use screen-reader software and a digital speech synthesizer to hear what is displayed on the screen.

**Note:** The SAN File System Information Center and its related publications are accessibility-enabled for the IBM Home Page Reader.

- You can operate all features using the keyboard instead of the mouse.

### Navigating by keyboard

You can use keys or key combinations to perform operations and initiate many menu actions that can also be done with a mouse. You can navigate the SAN File System console and help system from the keyboard by using the following key combinations:

- To traverse to the next link, button or topic, press Tab inside a frame (page).
- To expand or collapse a tree node, press Right Arrow or Left Arrow, respectively.
- To move to the next topic node, press Down Arrow or Tab.
- To move to the previous topic node, press Up Arrow or Shift+Tab.
- To scroll all the way up or down, press Home or End, respectively.
- To go back, press Alt+Left Arrow
- To go forward, press Alt+Right Arrow.
- To go to the next frame, press Ctrl+Tab. There are quite a number of frames in the help system.
- To move to the previous frame, press Shift+Ctrl+Tab.
- To print the current page or active frame, press Ctrl+P.



---

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## Readers' Comments — We'd Like to Hear from You

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(based on IBM Storage Tank technology)  
Messages Reference  
Version 2 Release 2.2

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