IBM Sterling Control Center

Release Notes

Version 5.3

Copyright

This edition applies to the 5.3 Version of IBM Sterling Control Center and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in *Notices* on page 31.

Contents

Requirements

Your use of IBM® Sterling Control Center version 5.3 has the following requirements.

Hardware

Sterling Control Center supports the following hardware.

Component or Functionality	Hardware	Minimum Memory	Minimum Disk Space
Sterling Control Center engine (with or without console)	HP 9000	512 MB (>2 GB optimum)	140 MB
	HP Itanium (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	IBM System p (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	Linux Intel (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	zLinux	512 MB (>1 GB optimum)	140 MB
	Sun SPARC (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	Solaris Intel (64-bit)	512 MB (>2 GB optimum)	140 MB
	Solaris AMD (64-bit)	512 MB (>2 GB optimum)	140 MB
	Microsoft Windows Intel (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	Microsoft Windows AMD (32-bit or 64-bit)	512 MB (>2 GB optimum)	140 MB
	VMWare	512 MB (>2 GB optimum)	140 MB
Sterling Control Center console	HP 9000	256 MB (>1 GB optimum)	140 MB
	HP Itanium (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB
	IBM System p (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB
	Linux Intel (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB
	zLinux	256 MB (>1 GB optimum)	140 MB
	Sun SPARC (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB
	Solaris Intel (64-bit)	256 MB (>1 GB optimum)	140 MB
	Solaris AMD (64-bit)	256 MB (>1 GB optimum)	140 MB
	Microsoft Windows Intel (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB

Component or Functionality	Hardware	Minimum Memory	Minimum Disk Space
	Microsoft Windows AMD (32-bit or 64-bit)	256 MB (>1 GB optimum)	140 MB
Sterling Control Center production and staging databases	See the appropriate database documentation.		
Sample reports (Crystal Reports format)	See the documentation included with Crystal Reports.		
Automated reports	Video card for graphics		

See *IBM Sterling Control Center Getting Started Guide* to determine platform configurations for the Sterling Control Center engine.

Software

The following table summarizes the software requirements for Sterling Control Center.

> **Note:** Sterling Control Center is compatible with all supported versions of managed server software except as indicated in this table. The versions listed are supported at the publication date of this document. See the Product Status Summary on Customer Center for the most up-to-date list of supported versions. Some Sterling Control Center functionality applies only to specific server types.
>
> For example, the Guided Node Discovery feature works only with IBM® Sterling Connect:Direct® servers.

Component	Software	Notes
engine	HP-UX 11.23i or 11.31i	See *Special Considerations for HP-UX* under *Installing the Sterling Control Center Engine and Console on a UNIX Operating System* on the Documentation library.
	HP-UX 11.23i or 11.31i for ia64	For Itanium-based hardware.
	IBM AIX 5.3 or 6.1	For AIX 5.3 the minimum required level is 5300-07 (APAR IZ07976). For AIX 6.1, the minimum required level is 6100-GOLD
	Red Hat Enterprise Linux 5.0 (either 32-bit or 64-bit)	
	IBM System z/Linux	IBM System z/Linux JRE 1.6.0 SR 5 or later must already be installed on the computer where Sterling Control Center will be installed.
	Sun Solaris 10	Requires J2SE Solaris Patch Cluster from www.sun.com.

Component	Software	Notes
	Sun Solaris 10 for x64	For x64 platform-based systems. AMD-based and Intel-based processors with EM64T are supported. Itanium-based processors are not supported.
	Sun Solaris 10 (64-bit)	SPARC-based 64-bit platforms should use this installer.
	SUSE Linux Enterprise Server 10	
	Microsoft Windows Server 2003 Standard Edition	
	Microsoft Windows Server 2003 x64 Edition	AMD-based processors and Intel-based processors with EM64T are supported. Itanium-based processors are not supported.
	Microsoft Windows Server 2008	
	VMware	VMware ESX and VMware vSphere with any Microsoft Windows, UNIX, or Linux operating system supported by Sterling Control Center. Consider VMware configuration, administration, and tuning issues. Your VMware administrator can address these topics. IBM Sterling does not provide advice regarding VMware-specific issues.
engine	Java Runtime Environment, version 1.6	Installed with Sterling Control Center.
Sterling Control Center console and Web console	Console: ◆ Microsoft Windows XP with current GA service pack - *certified* ◆ Microsoft Windows 7 - *certified* ◆ Microsoft Windows Server 2003 ◆ Microsoft Windows 2008 Web Console: ◆ Microsoft Internet Explorer version 6.0 or later - *certified* ◆ Mozilla Firefox version 3.x - *certified*	Enable cookies in your browser to run the IBM® Sterling Connect:Direct® Browser User Interface.

Component	Software	Notes
Sterling Control Center databases	MySQL 5.1 - *certified*	
	Microsoft SQL Server 2008 - *certified*	Requires a copy of the SQLJDBC 2.0 driver. SQLJDBC 2.0 contains two jar files. Use the jar file named sqljdbc4.jar.
		See http://msdn.microsoft.com/en-us/library/ms378422.aspx
	IBM DB2 9 (z/OS)	Requires a DB2 Universal JDBC driver.
	IBM DB 9.*x* (Linux, UNIX, and Microsoft Windows)	Requires download of DB2 Universal JDBC driver.
	Oracle 11g - *certified* Oracle 10g	Requires download of Oracle 9.2/10g/11g JDBC driver from www.oracle.com.
		Support for Oracle databases does not include support for the Oracle Exadata platform.
Sample reports	Crystal Reports Developer 12.0 or later Crystal Reports Viewer 11.0 or later	
	Following are the drivers to download and use to set up ODBC DSN for database servers: ◆ Microsoft Windows MySQL ODBC driver 5.1 driver. Download from www.mysql.com. ◆ Microsoft Windows Oracle ODBC Driver 10.2. Download from www.oracle.com. ◆ DataDirect ODBC Drivers 5.3. Download from http://www.businessobjects.com/products/downloadcenter/crystalreportsxi.asp ◆ IBM DB2 Driver for ODBC and CLI. Download from www.ibm.com ◆ Microsoft SQL Server ODBC Driver. Download from www.microsoft.com **Note:** For issues installing and configuring an ODBC driver, contact the driver vendor.	
Automated reports	X11 graphics package on the UNIX host where the Sterling Control Center engine is installed	

Component	Software	Notes
Managed Sterling Connect:Direct servers	Sterling Connect:Direct for z/OS 4.6 or later	Requires Sterling Connect:Direct Secure Plus to securely connect between Sterling Control Center and the managed servers. See *Sterling Connect:Direct for z/OS Considerations* on page 20 for information about fixes.
	Sterling Connect:Direct for UNIX 3.7 or later	Requires Sterling Connect:Direct Secure Plus for secure connections between Sterling Control Center and the managed servers. See *Sterling Connect:Direct for UNIX Considerations* on page 19 for information about fixes.
	Sterling Connect:Direct for Microsoft Windows 4.2 (with patch 034) or later	Requires Sterling Connect:Direct Secure Plus for secure connections between Sterling Control Center and the managed servers. See *Sterling Connect:Direct for Microsoft Windows Considerations* on page 18 for information about required fixes.
	Sterling Connect:Direct for HP NonStop 3.4.02 or later	
	Sterling Connect:Direct for i5/OS 3.5 or later	Requires maintenance 410A or later to provide Sterling Control Center functionality.
	Sterling Connect:Direct Select 1.2.00	Sterling Connect:Direct Select must be configured to send SNMP traps to the Sterling Control Center engine on the port where Sterling Control Center is listening.
Managed IBM® Sterling Connect:Enterprise® servers	◆ Sterling Connect:Enterprise for UNIX 2.3 or later	Requires Sterling Connect:Enterprise for UNIX version 2.3 for daemon status monitoring. Rules that watch for daemon status are triggered only with Sterling Connect:Enterprise for UNIX version 2.3.
	◆ Sterling Connect:Enterprise for z/OS 1.3 or later	To monitor API ADD/REQ events, the fix for SR 1364686 (36963) is required. To monitor return code values, the fix for SR 1364688 (36965) is required.
Managed IBM® Sterling B2B Integrator servers	◆ Sterling Gentran Integration Suite version 4.2.00 or later or Sterling B2B Integrator 5.0.00 or later	Run Sterling Gentran Integration Suite 4.2.07 or later or apply the fix for SR 1366343, when using an Oracle database
IBM® Sterling File Gateway	◆ Sterling Gentran Integration Suite 4.3 with Patch 4321 or later. ◆ Sterling B2B Integrator version 5002 or later	
IBM® Sterling Certificate Wizard	Version 1.3	Sterling Certificate Wizard is no longer bundled with Sterling Control Center. It is shipped on its own CD.

The following table lists major components of Sterling Control Center version 5.3 Configuration Management functionality broken down by Sterling Connect:Direct platform. Support request-generated and other fixes required to use central management components are referenced.

Connect:Direct Server	Sterling Control Functional Authority	Initialization Parameters	Netmap	Secure+
Connect:Direct for UNIX 3.8	SR 1369004	Supported	SR 1368496 SR 1369004	Not Supported
Connect:Direct for UNIX 4.0	SR 1369004	Supported	SR 1368496 SR 1369004 QC 14341	Supported
Connect:Direct for Windows 4.2	Supported	Supported	Supported	Not Supported
Connect:Direct for Windows 4.4	Supported	Supported	Supported	Not Supported
Connect:Direct for Windows 4.5	Supported	Supported	Supported	Supported
Connect:Direct for z/OS 4.6	T038831 T038848	Not Supported	T038831 T038803 T038805 T038946	Not Supported
Connect:Direct for z/OS 4.7	T038822 T038847	Not Supported	T038822 T038798 T038794 T038947	Not Supported
Connect:Direct for z/OS 4.8	Supported	Not Supported	Supported	Not Supported
Connect:Direct for z/OS 5.0	Supported	Supported	Supported	Supported

What's New in This Release

For the latest information on updates to the product and documentation, see *Features and Enhancements in Version 5.3.00* on page 9 and *Improvements to Documentation* on page 10.

Features and Enhancements in Version 5.3.00

Sterling Control Center version 5.2 adds the following features and enhancements.

✦ Data visibility options to improve security and usability, limiting the data a specific user role can view and manage.

✦ An option to create simplified SLCs (Service Level Criteria) using a wizard with a simple question-answer format.

✦ Support for central configuration of Sterling Connect:Direct Secure Plus for z/OS.

✦ Certificate expiry alerting enables Sterling Control Center to watch for Sterling Connect:Direct Secure Plus certificate expirations and send standard Sterling Control Center notifications about these expiry events.

✦ When scheduling configuration jobs, you can now define when and what time a job will run.

✦ A tool to help you comply with license agreements, including facilitating quick and accurate turnaround of license requests.

✦ The ability to schedule when a maintenance update is pushed to selected Sterling Connect:Direct servers or server groups.

✦ The ability to send an automated report as a link from an e-mail in addition to the ability to attach the report to an e-mail.

✦ The ability to use contact information from external e-mail systems, such as Microsoft Exchange, Google Mail, or Lotus Notes, to e-mail notifications and automated reports.

✦ Support for selecting multiple objects and changing properties for all objects.

✦ Simplifies the syncing of password administration for the Sterling Control Center server and the console.

✦ Ability to define data access permission based on segment access. For example, previous versions allowed you the ability to limit permissions by server. This update allows you to determine information a user needs to access or view and limit access based on that definition.

Reference Information in the Sterling Control Center Documentation

Refer to the following section for more information on documentation available:

Topic	Go to Document, Chapter/Appendix
Measures you can take to improve response times in your system	*IBM Sterling Control Center System Administration Guide*, *Performance Tuning* chapter

Topic	Go to Document, Chapter/Appendix
How to estimate a platform configuration to support your processing needs	*IBM Sterling Control Center Getting Started Guide, Determining Engine and Database Requirements* appendix
How to calculate disk space requirements for your system to run smoothly	*IBM Sterling Control Center Getting Started Guide, Determining Engine and Database Requirements* appendix
The new virtual database tables	*IBM Sterling Control Center Reports Guide, Data for Third-Party Reporting Tools* chapter
How Sterling Control Center moves data in bulk	*IBM Sterling Control Center System Administration Guide, Database Administration* chapter

Improvements to Documentation

IBM Sterling welcomes your comments and suggestions for improvements to our product documentation. You can submit suggestions for improvements to ConnectDoc@stercomm.com. As part of our continuing effort to improve the user experience and satisfaction with our documentation, the documentation for Sterling Control Center has the following changes:

New Sterling Control Center Documentation Library

All Sterling Control Center information is now available on the documentation library. It contains the most current version of all documentation. Because the system requirements, support requests addressed, known restrictions, and special considerations may change after the product is released, this information is available only on the documentation library. All other documentation is available in pdf format on both the product media and the documentation library.

Support Requests Addressed

Before you upgrade to a maintenance release, stop the Sterling Control Center engine. Back up the *install dir*\conf directory. Install Sterling Control Center in the original location.

Refer to the Product Updates on Customer Center for information about how to apply the fixes.

Following are the support requests resolved in Sterling Control Center version 5.3:

Issue	Description of Issue
QC 18261	Database events report does not work if criteria includes Date/Time equal to some arbitrary date.
QC 18453	Upgrading Sterling Control Center resets purge settings.
QC 18329	Installation on Microsoft Windows 2008/ Microsoft Windows 7 fails.
QC 18513	The runEvent Counter utility generates the following message: Connect:Direct Node detected error. SCBP076I Invalid 'TYPE' specified. CCOD=8 FDBK=0 SBST= "
QC18591	The LOCAL_NODE column in the CD_STATS_LOG or the V_CD_STATS_LOG tables is not updated with data.
QC 18605	Server Group name is restricted to 25 characters.
QC 18595	The date/time values are incorrect in the Start Date/Time and Stop Date/Time fields within the properties listing for Process History Viewer.
QC 18566	Network connectivity issues occur on the host where the Sterling Control Center console is launched, when monitoring a large number of managed Connect: Direct servers (>350).
QC 18724	Unable to disable the Http Connector.

Support Requests Addressed

Known Restrictions

Sterling Control Center version 5.3.00 has the following restrictions:

✦ Daylight Saving Time rules for Brazil are not correct for 2009 and beyond. The fix for SR 1367170 addresses this problem by allowing the user to add or update time zone definitions. See *Changing Engine Settings After Installation* in the *IBM Sterling Control Center Getting Started Guide* for help in configuring time zone definitions.

✦ Trace logs viewed in the Sterling Control Center console using Microsoft Internet Explorer version 7 do not display carriage returns; thus the logs appear as one large paragraph. To improve the display, click **View > Source.** A legible display is shown with the columns properly aligned. This problem does not occur in the beta of Internet Explorer 8 or in the Firefox browser.

✦ When a node receives a login failed message, the node is shunned until the node service is recycled. Recycle the node by pausing and resuming the node or by changing information in the node properties.

✦ The MySQL JDBC driver is no longer distributed with the installation. If you use MySQL, you must provide the MySQL JDBC driver during installation. Download the driver from the Website, http://dev.mysql.com/downloads/connector/j/.

✦ At peak volume, the number of events processed per second may be decreased by up to 20%, caused by an additional database operation during event processing.

✦ If you mix private permissible objects when you create objects such as Rules, SLCs, and Automated Reports, that reference permissible objects such as Calendars, Schedules, and Actions, you may prevent other users from updating the created object.

For example, the administrator creates schedule A that is private to Role A and schedule B that is private to Role B. The administrator then creates an Automated Report that includes both schedule A and schedule B, two private schedules. Only the administrator can edit the Automated Report because Role A does not have permission to see Schedule B and Role B does not have permission to see Schedule A.

Considerations

This section discusses special considerations for the Sterling Control Center documentation set.

Following illustrates Sterling Control Center compatibility with the platforms of Sterling Connect:Direct, Sterling Connect:Enterprise, and Sterling B2B Integrator regarding Sterling Control Center functionality and special features and conditions. Make sure that the noted fixes are in place for your platform.

IBM Sterling Control Center 5.3 - Central Administration Functionality

IBM Sterling Connect:Direct Server	Functional Authority	Initialization Parameters	Netmap	Secure+	User Proxy	Directory Restrictions
Connect:Direct for UNIX 3.8	SR 1369004	Supported	SR 1368496 SR 1369004	Not Supported	Supported	N/A
Connect:Direct for UNIX 4.0	SR 1369004	Supported	SR 1368496 SR 1369004 QC 14341	Supported	Supported	N/A
Connect:Direct for UNIX 4.1	SR 1369004	Supported	SR 1368496 SR 1369004 QC 14341	Supported	Supported	N/A
Connect:Direct for Windows 4.4	Supported	Supported	Supported	Not Supported	Supported	SR 1371149
Connect:Direct for Windows 4.5	Supported	Supported	Supported	Supported	Supported	Supported
Connect:Direct for Windows 4.6	Supported	Supported	Supported	Supported	Supported	Supported
Connect:Direct for z/OS 4.7	T038822 T038847	Not Supported	T038822 T038798 T038794 T038947	Not Supported	N/A	N/A
Connect:Direct for z/OS 4.8	Supported	Not Supported	Supported	Not Supported	N/A	N/A
Connect:Direct for z/OS 5.0	Supported	Supported	Supported	Supported	N/A	N/A
Connect:Direct for z/OS 5.1	Supported	Supported	Supported	Supported	N/A	N/A

Following are general considerations for Sterling Control Center:

✦ The Jetty server is upgraded to version 6.1.21.

✦ The new HTML help removes cross-site scripting vulnerability.

✦ Sterling Control Center Mobile 1.0.00 is supported.

✦ When the "NO" symbol ( ),appears on a server icon, Sterling Control Center will not attempt to reconnect to the server until the login information is updated, or monitoring is paused and resumed, or the Sterling Control Center engine is stopped and restarted.

✦ Some Sterling Control Center functionality is not available for all versions of managed server types (see the compatibility table above). Ensure full Sterling Control Center functionality by having the latest version of your managed server software.

> **Note:** Some Sterling Control Center functionality is not *relevant* to all server types. For example, Node Discovery is relevant only to Sterling Connect:Direct servers.

Refer to the Product Status Summary on the Support Center Web site for supported versions of managed server software.

✦ If the console becomes disconnected either by a network connectivity issue or by the engine going down, it attempts to reconnect to the engine every 30 seconds until it reconnects, or until you click the Exit Console button on the dialog that displays.

✦ If the Sterling Control Center engine is running on the Microsoft Windows 2003 Server operating system, change the HKLM/System/Current Control Set/TcpIp/Parameters/MaxUserPort parameter in the registry to 65534 to prevent the loss of a connection to the MS-SQL database when you are adding servers.

✦ To send emails, either as a result of a rule being triggered or an automated report being generated, you first have to set up Sterling Control Center's email system settings (**Control Center > System Settings > Email** tab).

✦ To receive emails with Sterling Connect:Direct licenses to apply to centrally managed servers, configure license retrieval email settings on the License Management tab of System Settings.

✦ Configuring Sterling Connect:Direct Secure Plus objects on a Sterling Connect:Direct server requires a secure connection between the server and the Sterling Connect:Direct engine unless a non-secure connection is allowed by the Sterling Connect:Direct server's initialization parameters. For instructions on setting up a secure connection, see *Configuring a Secure Connection* in the *IBM Sterling Control Center Getting Started Guide* or in Sterling Control Center Help. Sterling Connect:Direct for UNIX allows this requirement to be disabled by setting *s+cmd.enforce.secure.connection=n* in the initialization parameters.

✦ An installation issue has been noted on one SUSE Linux 10 system. The following message may be received during installation:

```
user1@qaxxxx10:~> ./CCInstall.bin
 Preparing to install...
 Extracting the JRE from the installer archive...
 Unpacking the JRE...
 Extracting the installation resources from the installer archive...
 Configuring the installer for this system's environment...
 awk: error while loading shared libraries: libdl.so.2: cannot open shared object
 file: No such file or directory
 dirname: error while loading shared libraries: libc.so.6: cannot open shared
 object file: No such file or directory
 /bin/ls: error while loading shared libraries: librt.so.1: cannot open shared
 object file: No such file or directory
 basename: error while loading shared libraries: libc.so.6: cannot open shared
 object file: No such file or directory
 dirname: error while loading shared libraries: libc.so.6: cannot open shared
 object file: No such file or directory
 basename: error while loading shared libraries: libc.so.6: cannot open shared
 object file: No such file or directory
 Launching installer...
 grep: error while loading shared libraries: libc.so.6: cannot open shared object
 file: No such file or directory
 /tmp/install.dir.22159/Linux/resource/jre/bin/java: error while loading shared
 libraries: libpthread.so.0: cannot open shared object file: No such file or
 directory
```

If you receive this message, run the following commands:

```
 cp CCInstall.bin CCInstall.bak
 cat CCInstall.bak | sed "s/export LD_ASSUME_KERNEL/#xport LD_ASSUME_KERNEL/" >
 CCInstall.bin
 rm CCInstall.bak
```

Once you run these commands, you will be able to run the installer to completion.

Sterling Connect:Direct for Microsoft Windows Considerations

Observe the following considerations when monitoring Sterling Connect:Direct for Microsoft Windows servers:

✦ When Sterling Control Center is connected to a Microsoft Windows node and the application is stopped, the following statistics records may be generated:

◆ LSDI010I— Call to recv() in sdipc_srvr_recv() failed

◆ LIPT027I—Call to recv() failed. OS message=&OSMSG

◆ LCOT000I—comm thread termination has started. API connection comm channel failed with LSDI010I

Sterling Connect:Direct for UNIX Considerations

Observe the following special considerations when managing Sterling Connect:Direct for UNIX servers:

✦ For best results, apply the latest maintenance for your Sterling Connect:Direct for UNIX server.

✦ When Sterling Control Center runs on a UNIX platform and polls a Sterling Connect:Direct for UNIX server, multiple *cmgr exited* messages are written to the Sterling Connect:Direct statistics file.

✦ For Sterling Connect:Direct Secure Plus configuration management, Sterling Connect:Direct for UNIX 4.0.00 is required.

Sterling Connect:Direct for i5/OS Considerations

Observe the following special considerations when managing Sterling Connect:Direct for i5/OS servers:

✦ Set up the following items before you begin using Sterling Control Center:

  ◆ Create a relational database entry (ADDRDBDIRE or WRKRDBDIRE).

  ◆ Create a user profile with access rights to the Sterling Connect:Direct library. Do not use the user profile called CDADMIN.

  ◆ Ensure that the DDM server is active.

✦ If there is a firewall between a Sterling Connect:Direct for i5/OS server managed by Sterling Control Center, be aware that Sterling Control Center uses the following i5/OS ports and services:

i5/OS Service	Default Port
drda	446
as-svrmap	449
as-central	8470
as-database	8471
as-file	8473
as-rmtcmd	8475
as-signon	8476

The ports listed are the default values. These port assignments can be modified using the WRKSRVTBLE command. Sterling Control Center uses ephemeral ports to establish connections to the i5/OS services. For more information on the WRKSRVTBLE command, refer to the i5/OS manuals.

✦ The Sterling Connect:Direct statistics record may incorrectly report the submitter ID as the SNODEID. This situation results when the Process SNODEID and the submitter ID are different.

✦ When invalid authentication credentials are provided for a node, Processes do not write a Process start record, SMPST, in the statistics file.

✦ Guided Node Discovery requires Sterling Connect:Direct for i5/OS 3.5 or later.

Sterling Connect:Direct for HP NonStop Considerations

Observe the following special considerations when managing Sterling Connect:Direct for HP NonStop servers:

✦ In order for Sterling Control Center to manage a Sterling Connect:Direct for HP NonStop server, you must create three API Managers pointing to the same port in the network map and one adjacent node record which is referenced by all of the API managers on the Sterling Connect:Direct for HP NonStop server. This configuration allows Sterling Control Center to attempt three simultaneous connections, which may occur if Sterling Control Center is polling a managed Sterling Connect:Direct for HP NonStop server and performing Guided Node Discovery at the same time. Refer to *Defining and Maintaining the Network Map* in the *IBM Sterling Connect:Direct for HP NonStop Administration Guide*.

✦ A problem in Sterling Connect:Direct for HP NonStop causes events for some Process step end records not to be generated. This situation could result in rules not triggering and SLCs generating erroneous events. To address this issue, apply the fix for SR135624.

✦ Guided Node Discovery requires Sterling Connect:Direct for HP NonStop 3.4.02 or later.

Sterling Connect:Direct for z/OS Considerations

Observe the following special considerations when managing Sterling Connect:Direct for z/OS servers:

✦ Only PKCS #12 base64 encoded certificates can be imported into Sterling Connect:Direct for z/OS version 5.0. Binary encoded PKCS#12 certificates cannot be imported.

✦ When Processes end for reasons such as session outages, and remain in the Sterling Connect:Direct TCQ to attempt to run again, rather than generate a Process End event Sterling Control Center now generates a Process Interrupted event (see the Compatibility Matrix). If you have rules in a previous Sterling Control Center release that watch for Process End events, these rules will no longer be triggered under such circumstances. Therefore, to achieve the same behavior add rules that watch for events with an event type of Process Interrupted. Likewise, SLCs satisfied with a Process End event may not be satisfied under the same conditions with version 5.3.

✦ Sterling Connect:Direct for z/OS nodes require the fix for SR1344775, to address the lack of a Process interrupted record being written at appropriate times by Sterling Connect:Direct for z/OS nodes. The lack of Process interrupted records can cause issues with the High Watermark Report, SLC processing, and other areas of Sterling Control Center functionality.

Sterling Connect:Enterprise for UNIX Considerations

Observe the following when managing Sterling Connect:Enterprise for UNIX servers:

✦ When choosing the API port value during set up a Sterling Connect:Enterprise for UNIX server, see the Sterling Connect:Enterprise for UNIX documentation on how to find the correct API port value.

Sterling Connect:Enterprise for z/OS Considerations

Observe the following special considerations when managing Sterling Connect:Enterprise for z/OS servers:

✦ Sterling Control Center version 5.3 supports Sterling Connect:Enterprise for z/OS, version 1.3. Sterling Control Center does *not* support earlier versions of Sterling Connect:Enterprise for z/OS.

✦ Support for Sterling Connect:Enterprise for z/OS version 1.3 requires some simple changes to the Logging application agent and Scheduler application agent rules to enable communication with Sterling Control Center. Located in the *Sterling Control Center installation directory*/conf/CEOS390 subdirectory are two files:

   ◆ $RLOG (necessary logging rules needed for monitoring of Sterling Connect:Enterprise for z/OS)

   ◆ $RSCH (necessary scheduling rules needed for monitoring of Sterling Connect:Enterprise for z/OS)

These rules should be merged into your existing Logging application agent and Scheduler application agent rules on the Sterling Connect:Enterprise for z/OS to be monitored.

Sterling Connect:Direct Select Considerations

Sterling Connect:Direct Select should be configured to send SNMP traps to the Sterling Control Center engine on the port where Sterling Control Center is listening.

If you see records in the Completed Process Monitor that have a record ID of CEND, which indicates a connection end event, you can apply Fix 13163 to Sterling Connect:Direct Select.

Sterling B2B Integrator Considerations

Observe the following special considerations when managing Sterling B2B Integrator servers:

✦ If Sterling B2B Integrator is using an Oracle database, you must have the fix for SR 1366343, which is included in Sterling Gentran Integration System version 4.2.07.

✦ To monitor Sterling Gentran Integration or Sterling B2B Integrator activity, Event Persistence must be enabled on the Sterling Gentran Integration Service Sterling B2B Integrator server.

✦ Sterling B2B Integrator: MailboxService, MBI, OFTP and SAP are new protocols that are monitored

FTP Server Considerations

Sterling Control Center supports both z/OS FTP servers and non-z/OS FTP servers (including WS_FTP). All FTP servers produce logs or SNMP traps to record transfer activities and you need to make sure that Sterling Control Center can properly use the information in these logs or traps to display statistics so that you can monitor these servers.

Configuring an xferlog Format

Prior to Sterling Control Center version 5.3, only FTP servers that wrote transfer activities in the following standard xferlog format were supported:

```
%T %Xt %R %Xn %XP %Xy %Xf %Xd %Xm %U ftp %Xa %u %Xc
```

which translated into the following format:

```
current-time transfer-time remote-host bytes-transferred filename
transfer-type special-action-flag direction access-mode username service-name
authentication-method authenticated-user-id completion-status
```

To accommodate different third-party FTP log formats, Sterling Control Center gives you the ability to modify the xferlog format and layout. You can move fields or eliminate certain fields. To modify the layout, click the Advanced button on the Server Properties Connection page.

For Sterling Control Center to be able to read an xferlog, the following requirements must be met:

✦ The layout must match the actual xferlog log layout

✦ These fields are required: current-time, transfer-time, file-size, file-name, direction, username, service-name, completion-status.

✦ The current-time field must be the first field.

Following is a valid xferlog format because it has required fields and the first field is current-time:

```
current-time transfer-time direction file-name username service-name file-size
access-mode completion-status
```

The following is an invalid xferlog format because username is missing:

```
current-time transfer-time direction file-name service-name file-size
access-mode special-action-flag completion-status
```

If you have a xferlog FTP server running with an FTP Agent, you can continue to run with that FTP Agent as long as you do not need to change the xferlog layout or the log filename to a rotating log. To change the layout or to support rotating logs, for example, a log based on day or hour, install the Sterling Control Center FTP Agent.

Accommodating Changes to IIS Logs After Sterling Control Center Version 5.3

For Sterling Control Center version 5.3. the following is the default IIS log format:

```
c-ip cs-username date time s-sitename s-computername s-ip time-taken cs-bytes
sc-bytes sc-status sc-win32-status cs-method cs-uri-stem parameter
```

If the layout in future releases of IIS logs change, you can modify the layout in the same manner as described above for xferlogs, that is, by clicking the Advanced button on the Server Properties Connection page. The only restriction is that the layout must match your actual IIS log layout and the following fields are required: date time, cs-username, s-sitename, time-taken, cs-bytes, sc-bytes, sc-win32-status, cs-method, and cs-uri-stem.

If fields are added to an IIS log that are not listed on the Advance File Format panel, you can use the <ignored-field> place holder. For example, if a future version of IIS adds a new field such as transfer-mode after the parameter, the layout can be changed to be:

```
c-ip cs-username date time s-sitename s-computername s-ip time-taken cs-bytes
sc-bytes sc-status sc-win32-status cs-method cs-uri-stem parameter
<ignored-field>
```

Reference Information in the Sterling Control Center Documentation Set

For more information on:

Topic	Go to PDF, Chapter
FTP xferlog and IIS Log Formats	*IBM Sterling Control Center System Administration Guide*, *Managing Servers*
How to translate the fields shown in Sterling Control Center statistics into FTP terms	*IBM Sterling Control Center System Administration Guide*, *Keys and Fields*
Configuring the WS_FTP Server to Use the FTP Agent	*IBM Sterling Control Center Getting Started Guide*, *Setting up Sterling Control Center to Monitor an FTP Server*

Considerations

Documentation Updates

This section describes last-minute updates to the Sterling Control Center documentation.

Configuration Management Guide

In the section called *Import a Key Certificate*, add the following information:

Only key certificates referenced by a Sterling Connect:Direct Secure Plus Node entry are displayed in Sterling Connect:Direct for z/OS. If you import a certificate but no Sterling Connect:Direct Secure Plus node refers to it, the certificate is not displayed in the list of key certificates.

System Administration Guide

In the chapter called Administering Other Systems, update the sections, Accessing Sterling B2B Integrator and Sterling File Gateway with the following information:

To access the Sterling B2B Integrator Dashboard:

1. Right-click the Sterling B2B Integrator server.

2. Select **Sterling B2B Integrator Dashboard> Login Page**. The Sterling B2B Integrator Dashboard Login screen is displayed.

3. Provide valid Sterling B2B Integrator credentials and click **Sign In**. The Admin Console Home screen is displayed.

General Notes

This section provides instructions on how to access the Customer Center portal and the product documentation, access product updates, and install maintenance releases and fixes.

Sterling Control Center is distributed as a file downloaded from the Electronic Software Distribution (ESD) Portal or a DVD when the physical distribution media is shipped. For instructions on downloading the product from ESD, refer to the e-mail you received from distribution.

Customer Center Portal

Customer Center offers a single location to administer IBM Sterling products and services. It provides access to online tools, on-demand applications, community forums, product information, industry news, support updates, and case management.

To log into Customer Center, go to http://customer.sterlingcommerce.com. If you do not have a Customer Center user name and a password, click **Join Now** and follow the instructions for new users. If you have a Support Center account, define a new password the first time you log on.

Access Documentation

The latest documentation is available at the Customer Center portal. The Documentation library includes information for the product, and links to documentation for related products, such as Sterling B2B Integrator, Sterling File Gateway, and Sterling Connect:Direct. If you do not have access to the Internet, the documentation is also available on the product media. However, the product media does not include release notes, worksheets, or the *IBM Sterling Control Center Implementation Guide*. This information and any updates made after product release are only available on the Documentation library.

If you are logged into Customer Center, access the Sterling Control Center Documentation Library at: http://sterlingcommerce.com/Documentation/ControlCenter52/HomePage.htm.

Access to PDF files requires the latest version of Adobe Acrobat Reader, which you can download at www.adobe.com. You can search for a specific word or phrase in the text of an open PDF document or a set of PDF documents in a specified location. See the Adobe Acrobat Reader Help for instructions on using the Search feature. The search lists all instances of the specified string.

Product Requirements

Requirements for Sterling Control Center version 5.3.00 are detailed in the topic called **Release notes>System requirements** on the Documentation library.

Obtain Product Updates

Product updates and update summaries, including issues resolved for previous versions of Sterling Control Center, are available on the Customer Center Web site.

To obtain product updates:

1. Log on to the Customer Center Web site.

2. Click **Support Center**.

3. From the **Product Support** menu on the left navigation bar, click **Sterling > Product Updates & Downloads > Sterling Control Center**.

4. Locate the updates for your product and platform and click **View/Download**.

Install Maintenance Releases and Fixes

All Sterling Control Center maintenance releases and specific fixes require that you perform a complete installation and include previous maintenance release fixes.

> **Note:** Generic steps may require additional steps.

Install Maintenance Releases and Fixes in Microsoft Windows

To install a maintenance release or fix in Microsoft Windows:

1. Close all Sterling Control Center consoles.

2. Stop the engine.

3. Back up the \conf subfolder in the Sterling Control Center installation folder.

4. Run the installer and select the existing installation folder as the destination folder.

> **Note:** The previous version is uninstalled.

5. For all prompts, preserve the same value defined in the previous version and click **Next**. Do *not* check Yes for reinitialization of the database for either Production or Staging.

6. Start the engine.

7. Launch the console from the Sterling Control Center launch page.

Install Maintenance Releases and Fixes in UNIX

To install a maintenance release or fix in UNIX:

1. Close all Sterling Control Center consoles.
2. Stop the engine.
3. Back up the /conf subfolder in the Sterling Control Center installation folder.
4. Run the installer. Select the folder where the existing version is installed as the destination folder.

   Note: The previous version is uninstalled.

5. Run configCC.sh. (Do *not* reinitialize the database for either Production or Staging).
6. Start the engine.
7. Launch the console from the Sterling Control Center launch page.

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