IBM Sterling Gentran:Director

Version 5.5

Administration Guide

4108-540-ADMG01-0001

This edition applies to the 5.5 Version of IBM® Sterling Gentran:Director® 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 N-1.

Contents

C H A P T E R

1

Getting Started

IBM® Sterling Gentran:Director® 5.5 provides you with the tools you need to electronically exchange data with your trading partners. These tools include:

- Process Control
- System Configuration
- Data translation
- Communications

Introducing Sterling Gentran:Director 5.5

Sterling Gentran:Director 5.5 is a process control, data translation, and communications system primarily designed for the translation and communication of EDI and other data.

Using Process Control

Sterling Gentran:Director 5.5 Process Control allows you to:

- Integrate Sterling Gentran:Director with a variety of business applications
- Operate Sterling Gentran:Director in unattended mode
- Track a message through processing using audit trails and message tracking

Using Data Translation and Communication

Sterling Gentran:Director executes the communication and translation functions for Sterling Gentran:Director 5.5.

Using Data Storage

Sterling Gentran:Director 5.5 uses a database and a data store to store data. Microsoft Access is the relational database Sterling Gentran:Director uses.

The database indicators point to the actual data, which is located in the system data store. The system data store contains all shared Sterling Gentran:Director data.

Using Sterling Gentran:Director Components

The main components of Sterling Gentran:Director 5.5 are:

- Electronic Commerce (EC) Manager enables you to view and maintain document, interchange, audit, reporting, process control, communications, and translation object information. In addition, use EC Manager to access the Partner Editor and Document Editor.
- Partner Editor enables you to define, edit, and delete partner information for your company and your trading partners.
- Document Editor enables you to create, modify, and view documents.
- System Configuration enables you to stop and start Sterling Gentran:Director Executive and to modify configuration parameters, including system directories, import specifications, splitter options, and users.

Using Additional Components

Additional components are also available to further enable Sterling Gentran:Director. Additional components include:

- IBM® Sterling Gentran:Director® Application Integration enables you to generate import, export, and document turnaround translation objects.
- IBM® Sterling Gentran:Director® Forms Integration enables you to generate screen entry and print translation objects.

You can access these components through EC Manager.

Note

You can also use the integration components to access EDI message standards from a CD-ROM or by copying them to your PC and creating translation objects.

Sterling Gentran:Director Data Translation Process

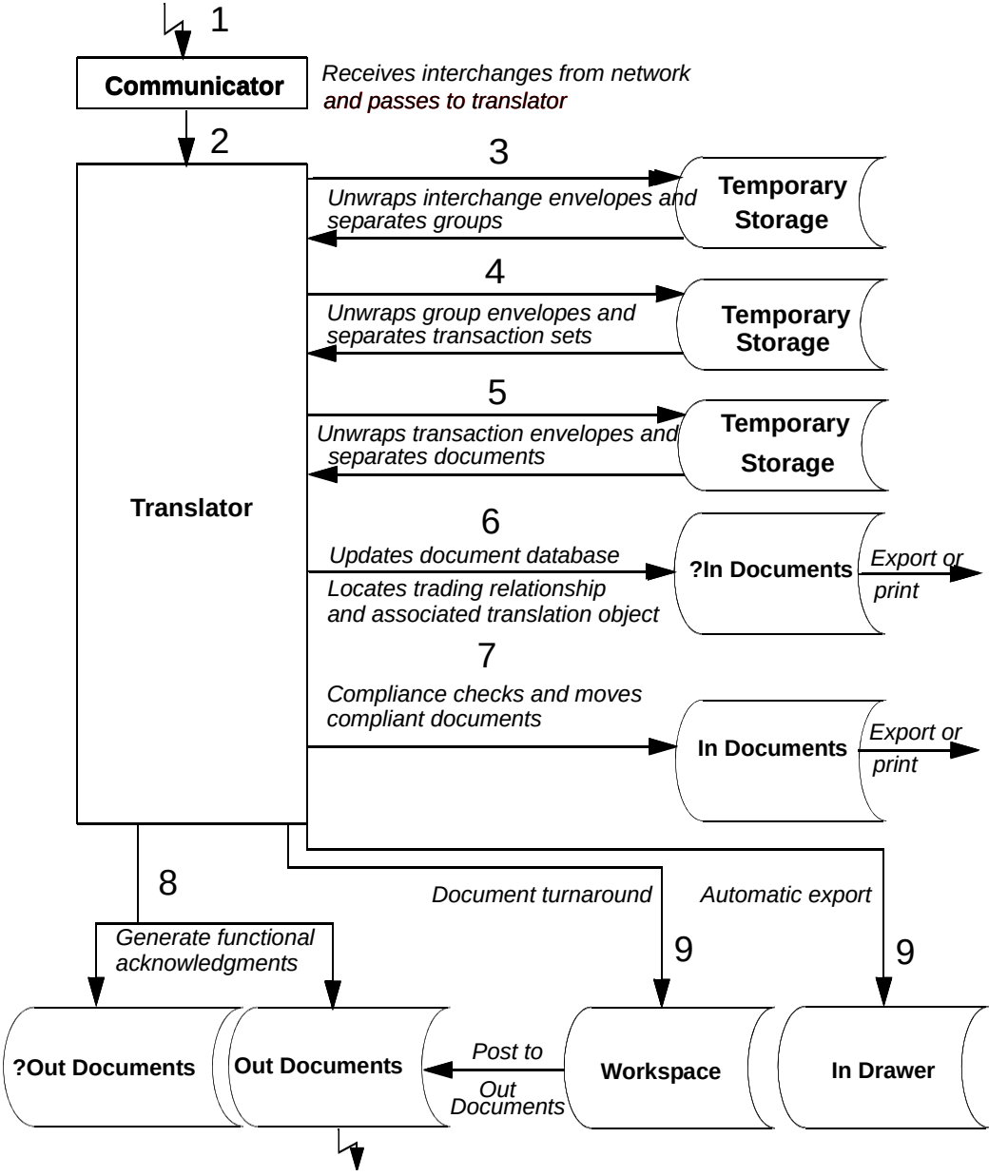
Translating Inbound Data

To translate inbound data:

1. The communicator receives interchanges from your trading partners through a network.
2. The communicator passes the interchanges to the translator.
3. The translator unwraps the interchange envelopes and separates each group into temporary storage
4. The translator unwraps the group envelopes and separates each transaction set into temporary storage.
5. The translator:
   - Unwraps the transaction envelopes
   - Separates each document into a separate file on the system data store
   - Writes a record with information about the document to the database
6. The translator searches for a trading relationship for each document.
   - If the translator locates a trading relationship for each document, the translator attempts to identify the export, document turnaround, or print translation object associated with that relationship. If the translator locates a trading relationship and a translation object, it uses that translation object to compliance check the document.
   - If the translator does not locate a trading relationship or a translation object, the document is marked as not compliant and is moved to ?In Documents.
7. The translator checks the document's compliancy.
   - If the document is compliant with the EDI standard, the translator changes the document status to compliant and moves the document to In Documents.
   - If the document is not compliant with the EDI standard, the document remains in ?In Documents. The translator writes a detailed error report to help you determine the problem.

8. If you specified to generate a functional acknowledgment for the document, the translator generates a functional acknowledgment. Compliant acknowledgments are moved to Out Documents. Noncompliant and erroneous acknowledgments are moved to ?Out Documents.
9. If you specified either automatic export or automatic turnaround in the trading relationship, the translator uses the specified export or document turnaround translation object to either export or generate the appropriate response document.

The following diagram illustrates the inbound translation process.


1
Communicator
Receives interchanges from network and passes to translator
2
Translator
3
Unwraps interchange envelopes and separates groups
Temporary Storage
4
Unwraps group envelopes and separates transaction sets
Temporary Storage
5
Unwraps transaction envelopes and separates documents
Temporary Storage
6
Updates document database
Locates trading relationship and associated translation object
?In Documents
Export or print
7
Compliance checks and moves compliant documents
In Documents
Export or print
8
Generate functional acknowledgments
Document turnaround
9
Automatic export
9
?Out Documents
Out Documents
Post to Out Documents
Workspace
In Drawer

Translating Outbound Data

To translate outbound data:

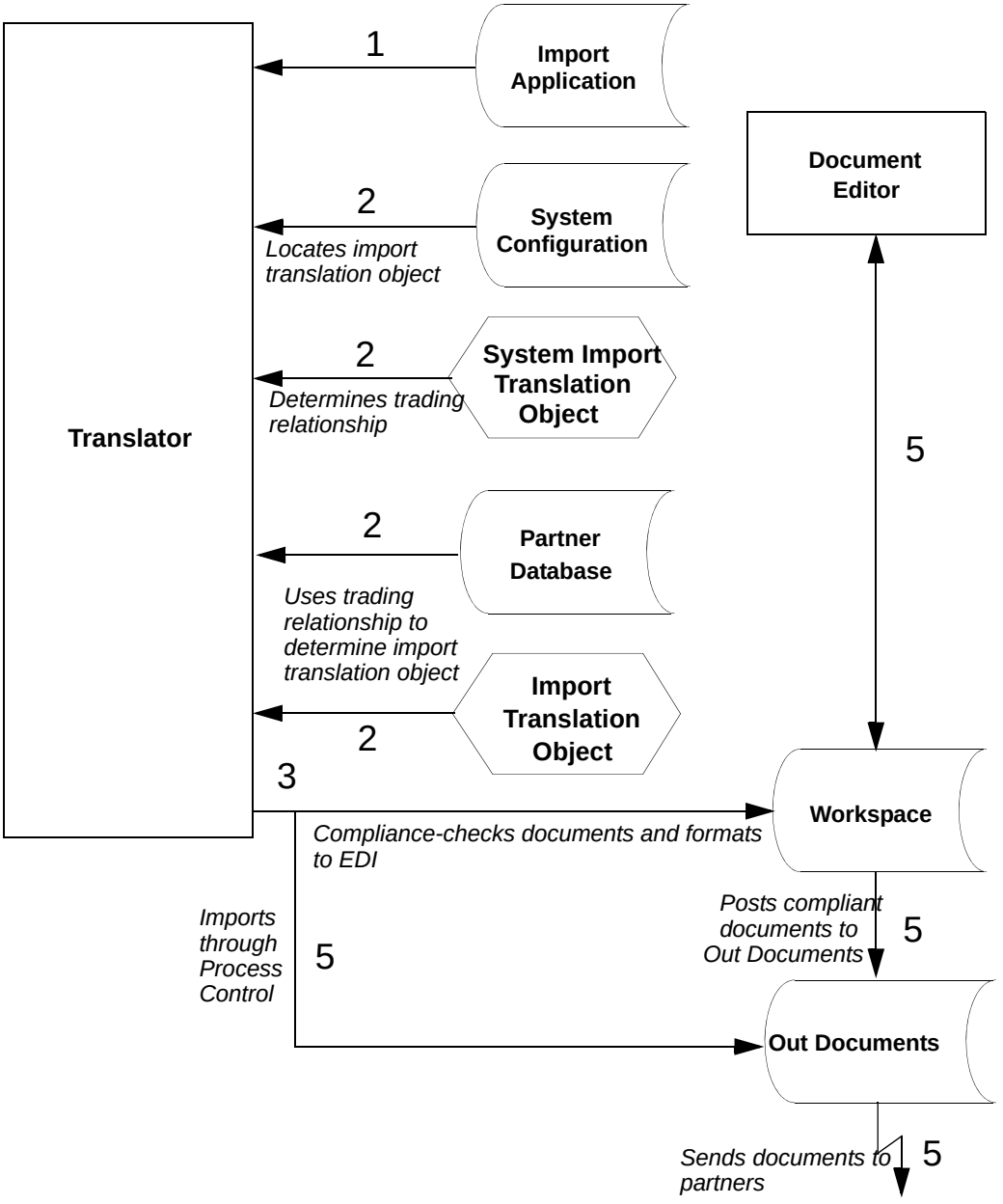
1. You do one of the following to initiate outbound translation:
   - Import a file through Process Control using a timed or polled session. All valid documents are written to the database with a compliant status and are moved to Out Documents. Invalid documents are marked with a non-compliant status and moved in ?Out Documents.
   - Manually import an application file. Application files you import manually are located in the Workspace.

     Note

     If you import a file, the translator checks the import definitions from the system configuration to match the file name with a system import translation object.
   - Use the Document Editor to enter documents, if there is an appropriate data entry translation object registered with Sterling Gentran:Director. These documents are located in the Workspace.
2. The translator determines which import map to use to process the document. To do so, the translator determines which trading relationship, established in Partner Editor, corresponds to each document in the application file.
3. The translator compliance checks the document. If the document is compliant, it is marked **OK**. If the document is not compliant, it is marked **NotOK**.
4. If there are more documents in the import file, the translator repeats steps 2 and 3 until all the documents are processed.
5. If you manually import a file through EC Manager or use the Document Editor, post the compliant document to Out Documents.

   Note: Once documents are in Out Documents, you can send them using Process Control or EC Manager.

The following diagram illustrates the outbound translation process.


Translator
1
Import Application
2
System Configuration
Locates import translation object
2
System Import Translation Object
Determines trading relationship
2
Partner Database
Uses trading relationship to determine import translation object
2
Import Translation Object
3
Compliance-checks documents and formats to EDI
Workspace
Document Editor
5
Posts compliant documents to Out Documents
5
Imports through Process Control
5
Out Documents
Sends documents to partners
5

About this Guide

Using this Guide

This Administration Guide provides information and instructions to help you set up and maintain Sterling Gentran:Director.

This Guide is intended for Sterling Gentran:Director administrators, who are responsible for:

- Implementing EDI
- Performing system maintenance and administration
- Configuring and using unattended processing

To use Sterling Gentran:Director 5.5, you should have working knowledge of your PC and Microsoft® Windows.

How To Get Help

IBM® Sterling Customer Center provides a wealth of online resources that are available around the clock to enrich your business experience with IBM® Sterling Gentran®. By using Sterling Customer Center, you gain access to many self-support tools, including a Knowledge-Base, Documentation, Education, and Case Management. Access Sterling Customer Center at http://customer.sterlingcommerce.com.

Once logged in, select **Support Center** from the top navigation menu, and then locate Sterling Gentran product-specific support information from the left navigation menu.

Additionally, our Customer Support Reference Guide outlines our support hours, contact information, and key information that will enhance your support experience with us. For detailed information about Customer Support, please refer to the Customer Support Reference Guide accessible from the login page. (http://customer.sterlingcommerce.com)

Using Online Help

Online Help is included with the Sterling Gentran:Director documentation set. The Help contains much of the procedural information that is included in this Administration Guide.

The Help is accessible from Sterling Gentran:Director 5.5. To access the Help:

From the toolbar, select **Help > Help Contents**. The Help Table of Contents displays.

C H A P T E R

2

Controlling Your Processes

Contents

Using Process Control

Introduction

Process Control enables you to automate or manually initiate your message processing.

With Process Control, you can build customized events or manually initiate Sterling Gentran:Director functions, including:

- Importing data from an application file
- Exporting data to an application file
- Sending and receiving data

In addition, you can initiate file and process management functions to integrate your system with Sterling Gentran:Director.

Process Control includes sessions and events.

- Sessions indicate what Sterling Gentran:Director should do. The session file contains the commands Sterling Gentran:Director follows to perform the specified task. For example, you create a send session to send data to a business partner. Sessions include commands and conditions. See *Command names* on page 2-7 and *Using Conditions* on page 2-9 for more information.
- Events indicate the date or day, time, and frequency of a session. For example, you create an event to run the send session on the last Friday of each month.

STOP

Verify that the Power Management or Power Options properties (located under Control Panel) are set properly, if your PC offers these settings. Ensure that your PC is not set to go into Standby, Hiberation, or to automatically turn off the hard disks. Note that the properties vary according to operating system, and some PCs may not support these options. See your PCs documentation for specific information. These settings turn off the hard disk, which inhibits your ability to schedule events.

Executing Process Control

Process Control can be executed automatically or manually. You can create a session file that contains commands with appropriate parameters, and then

create an event to run the session or execute the session manually.

Alternatively, you can create a session file by using a text editor (such as Notepad) or by copying and modifying an existing session file. Process Control then executes the session file by running the UNATTEND.EXE program at the appropriate time.

To create a session file, do one of the following:

- Use Process Control to create a session file.
- Use a text editor such as Notepad.
- Copy and modify another session file.

Then, from a command line or the appropriate application, select the UNATTEND.EXE program with a parameter specifying the name of the session file. The session runs at the time specified in the associated event or whenever you decide to run it.

Using Sessions

Introduction

A session is a task you want Sterling Gentran:Director to perform, for example, importing or exporting files or sending and receiving files. Session information, including the commands that indicate what tasks you want Sterling Gentran:Director to perform, is located in a session file.

To schedule when the session should be executed, associate an event with the session. An event is set up independently of a session so the session can be scheduled multiple times. See *Using Events* on page 2-16 for more information.

When you set up a session, you can configure and edit script commands. The script command specifies what Sterling Gentran:Director does during the session.

Each script command can have an associated condition. The condition is evaluated before the command is executed and can be used to control the process of the session. The two types of conditions are:

- Whether a specified file exists
- Whether a specified file exists in a specified location

If the specified condition is true, the command is executed. If the specified condition is false, the command is not executed and processing continues with the next command.

For example, you want to initiate a Send/Receive command only if there are documents in Out Documents. You can specify a condition specifying that a document must be in Out Documents to initiate a Send/Receive command. If Out Documents is empty, the next command will be initiated.

Searching for a Session File

When you manually execute Process Control, you can specify the session file location. If you do not specify a path, the processor searches for the specified file name in the Unattend subfolder. The Unattend folder is defined in System Configuration.

Reference

See *Using System Configuration* on page 3-2 for more information.

Sterling Gentran:Director uses the following criteria when searching for a session file:

- If you specify a session file name with an extension, the processor searches for the session file name.
- If you initiate Process Control with a session file name that does not include an extension, the processor searches for the session file name with the .SES extension.
- If you initiate Process Control without a session file name, Process Control terminates and writes an audit message to the Sterling Gentran:Director Audit Log.

Understanding the Contents of a Session File

A session file is an ASCII delimited file. An ASCII delimited file is a file where each record except the last one must end with a carriage return or line feed.

When you create a session file, include the necessary:

- Records
- Commands
- Command parameters
- Conditions
- Condition parameters
- Condition results

A session file contains the following types of records:

- Record 1 determines the signature version. See *Record 1: Signature Version Record* on page 2-6 for more information.
- Record 2 determines the number of script commands. See *Record 2: Number of Script Commands Record* on page 2-6 for more information.
- Records 3 through *n* determine the script command. See *Records 3 – n: Script Command Records* on page 2-7 for more information.

Record 1: Signature Version Record

The first record in the session file is the Signature Version Record. The Signature Version Record determines if the file is a valid session file.

- If the session file was created automatically, the Signature Version Record is also created automatically. It determines the version of Sterling Gentran:Director that created the file.
- If the session file was created manually, the Signature Version Record must be added manually. It determines the version of Sterling Gentran:Director the session file is used for.

The version information is used if conversions are needed with subsequent releases of Sterling Gentran:Director.

Format

"Signature","Version"

Example

"GDW-Session","Version 5.5"

Note

Process Control validates the signature, then loads the specified version into a variable for future use.

Record 2: Number of Script Commands Record

The second record in the session file contains the number of script commands.

- If you use Process Control to automatically create the session file, the system counts the number of command records and creates the record.
- If you manually create the session file, count the total number of command records and add that number to this record.

Records 3 – *n*: Script Command Records

The third though *n* records in the session file are script commands. Each command consists of:

- Command name
- Command parameters
- Associated condition (optional)
- Condition parameter (optional)
- Condition result (optional)

Format

"Command Name","Command Parameter 1","Command Parameter 2","Command Parameter 3","Command Parameter 4","Command Parameter 5","Command Parameter 6","Condition","Condition Parameter","Condition Result"

- When you use Process Control to automatically create the session file, select commands you want to add to the script from the Select Script Command list on the Command Setup dialog.
- When you manually create the session file, verify that all commands, command parameters, conditions, condition parameters, and condition results are enclosed in double quotes ("").

Note

If a command parameter, condition, condition parameter, or condition result is not used, specify that option as "" in the session file.

Command names

The following table lists the command names you can use when creating a session file:

Command	Function
The following commands can be used when creating the session file either automatically or manually:	
GDW_Import	Performs the Sterling Gentran:Director Import function from a specified file.
GDW_Receive	Performs the Sterling Gentran:Director Receive Only function.

Continued on next page

Command	Function
GDW_Send_Receive	Performs the Sterling Gentran:Director Send/Receive function.
GDW_Process_File	Invokes the post-communications process with any EDI file, as if the file were received through a communication session.
GDW_Document_ Purge	Removes document records from the Sterling Gentran:Director database according to the specified age or date, location, and status.
GDW_Export	Performs the Sterling Gentran:Director Export function.
GDW_Print	Performs the Sterling Gentran:Director Print function.
File_Copy	Enables you to copy a file.
File_Rename	Enables you to change the name of a file.
File_Delete	Enables you to remove a file from the system.
Exec_Program	Enables you to indicate a program for the system to run.
Terminate_Script	Enables you to terminate the script and execute a program before the script is terminated, if desired.
The following commands can be used only when creating the session file manually:	
GDW_Audit_Rpt	Copies the audit records to a specified file.
GDW_Audit_Purge	Deletes all of the audit records in the system and resets the AuditNextEntry value in the database tables to zero.
GDW_Document_Rpt	Creates a specified file that contains document data (as well as group and interchange data, if applicable) for documents in the Sterling Gentran:Director database according to the specified status, location, and age or date.
GDW_Translator_Rpt	Creates an interchange or document translator report in a specified file, according to a document key and document direction.
GDW_Partner_Init	Locates the outbound relationship(s) for a specified partner and then modifies the sender qualifier and ID on the associated group(s) and interchange(s) for those outbound relationships, according to the values specified.

Continued on next page

Command	Function
GDW_Partner_Import	Imports partner details from a specified file to the Sterling Gentran:Director partner database.
GDW_Partner_Export	Downloads a partner from the Sterling Gentran:Director partner database to a file.
GDW_Partner_Delete	Removes a specified partner profile from the Sterling Gentran:Director database.
GDW_Register_Template	Identifies a specified template to the Sterling Gentran:Director system. The system verifies that the template is valid and then registers it, even if another version of the same template is already registered.
GDW_Location_Export	Creates interchange and document translator reports and/or EDI data printouts in a specified file.

For more information about commands, see *Appendix B, Process Control Commands*.

Using Command Parameters

The values for *Command Parameters 1 through 6* vary depending on the command name. See *Process Control Commands* on page B-1 for more information.

Note

If a command parameter is not used, specify it as "" in the session file.

Using Conditions

Each script command can have an associated condition. A condition is evaluated before the command is executed and can be used to control the processing flow of your session.

Note

If you specify a condition, you must also specify a condition parameter and a condition result. See *Using Condition Parameters* on page 2-10 and *Using Condition Results* on page 2-11 for more information.

The following table describes conditions:

Condition	Definition
If File Below Exists	Specifies that the system look for the appropriate file and execute the command if the file is located.
If Docs Are In Location Below	Specifies that the system look for the appropriate file in the location you specify and execute the command based on whether or not the documents are located there.

Note

If a condition is not used, specify it as "" in the session file.

Using Condition Parameters

The condition parameter for the If File Below Exists condition is the name of the file the system must try to find. If a file name is specified without a path, the processor searches for that file name in the Sterling Gentran:Director installation folder.

The Condition Parameter for the If Docs Are In Location Below condition is a Sterling Gentran:Director location, for example, In Documents or ?Out Documents.

Note

You can also use a wild card (*) to specify the name of the file you want to locate.

Using Condition Results

If you use a condition, you must specify a condition result. See *Using Conditions* on page 2-9 for additional information.

The following table describes condition results values:

Condition result	Definition
True	Indicates the command should be executed only if the specified file exists.
False	Indicates the command should be executed only if the specified file does not exist. The command is skipped and processing continues with the next command. **Examples** ■ You want to initiate a Send/Receive command only if there are documents in Out Documents. If Out Documents is empty, the next command will be initiated. ■ You want set up a notification program to let you know if a received document is routed to ?In Documents.

Sample Session File

Sample Session File

```
"GDW_Session","Version 2.0"
4
"GDW_Import","remit.txt","","","","","","If File Below
        Exists","c:\gensrvnt\imports\remit.txt","True"
"GDW_Send_Receive","","SendToPtr","820","","","","If Docs Are In
        Location Below","Out Documents","True"
"GDW_Export","invoice.dat","","","","","","If Docs Are In Location
        Below","In Documents","True"
"GDW_Document_Rpt","c:\gensrvnt\docrpt.txt","","","2","","","","",""
```

Note

In this example, indented lines indicate a continuation of the previous record.

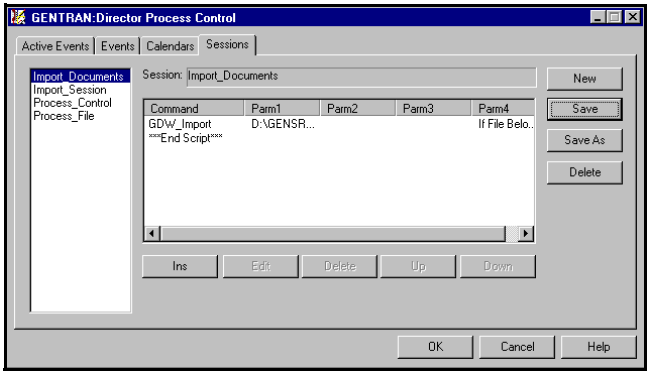
Creating, Editing, or Deleting a Session

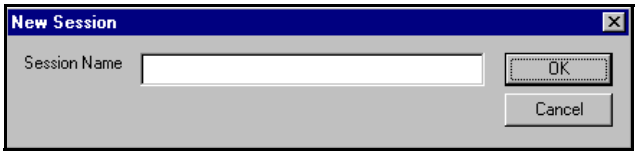
Creating, Editing, or Deleting a Session

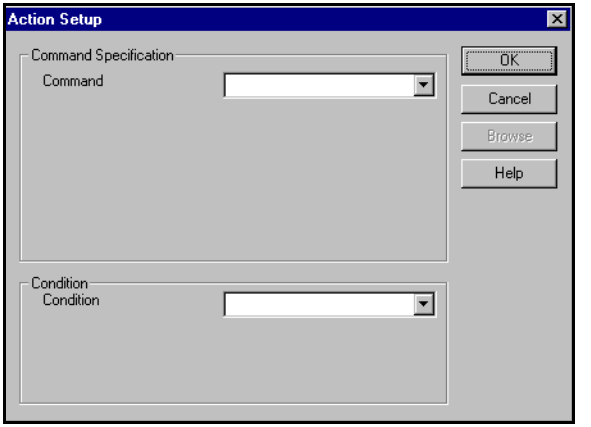
Note

To edit a session if its associated event is processing or is activated, edit the session and save it under another name, or suspend the event. See *Executing, Suspending, or Activating an Event* on page 2-20 for more information.

To create, edit, or delete a session:

Step	Action
1	On the Desk, click the Process Control icon. **System response** The Sterling Gentran:Director Process Control dialog displays.
2	Click the Sessions tab.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To add a script: • Click **New**. **System response** The New Session dialog displays.  • In the Session Name box, type the new session name, using alphanumeric characters. **Note** Dashes (-) are also allowed. • Click **OK** to add the new session. • Continue to step 4. ■ To edit a session: • From the Sessions tab, select the session you want to edit. • Click **Edit**. • Continue to step 4. ■ To delete a session: • Select the session you want to delete. • Click **Delete** to delete the selected session. • Click **Yes** to confirm the deletion. • Skip to step 12. *Continued on next page*

(Cont.) Step	Action
4	Select the new session or the session you want to edit, then click **Ins.** **System response** The Action Setup dialog displays. 
5	From the Command list, select a command. See *Appendix B, Process Control Commands* for more information.
6	Complete the fields as necessary.
7	To apply a condition to the command, select one of the following: ■ **If File Below Exists** indicates the command should be executed if the file is found. You can use a wildcard (*) to specify the name of the file you want to look for. ■ **If Docs Are In the Location Below** indicates the command should be executed if the documents are found in the specified location.
8	From the Result list, select one of the following: ■ **True** indicates the command should be executed only if there are documents in the specified location or if the file is present. ■ **False** indicates the command should be executed only if there are no documents in the specified location or if the specified file does not exist. *Continued on next page*

(Cont.) Step	Action
9	Click **OK**. **System response** The command is saved and the Sterling Gentran:Director Process Control dialog displays.
10	Repeat steps 4 through 9 for each command you want to add to or edit for the session script. ■ To edit a command in a script, select the command and click **Edit**. ■ To rearrange the commands in the script, select the command and click **Up** or **Down**. ■ To delete a command from a script, select the command and click **Delete**.
11	Click **Save** to save the new or edited session script.
12	Click **OK** to close the Sterling Gentran:Director Process Control dialog.

Using Events

Introduction

Note

Before you create an event, you must define the session. See *Creating, Editing, or Deleting a Session* on page 2-12 for more information.

An event definition includes a session definition and the time the event should execute.

You can execute an event at a specified time every day, on certain days of the week, or on a certain date. In addition, you can specify days you do or do not want the session to run, including holidays or a certain day of the week.

CAUTION

Verify that the default settings on the Screen Saver tab of the Display Properties dialog are not set to **Standby** or **Delay,** if your PC offers these settings. These settings turn off the hard disk, which inhibits your ability to schedule events.

Creating, Editing, or Deleting an Event

Introduction

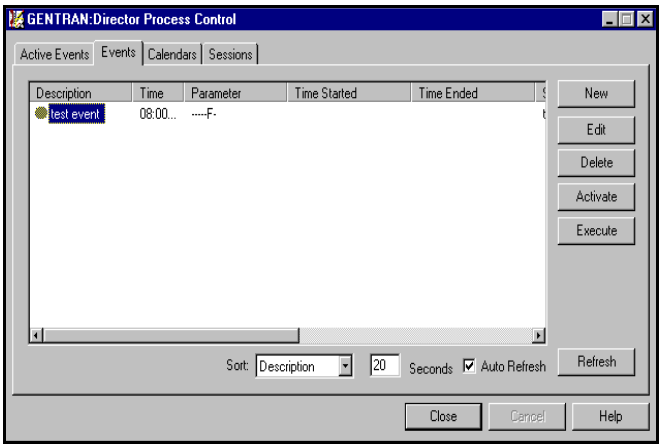
When you set up an event, you can specify a time, a calendar, or days of the week to run the event, or a date to run the event one time only. When it is time for the event to run, Sterling Gentran:Director initiates the processing of the event.

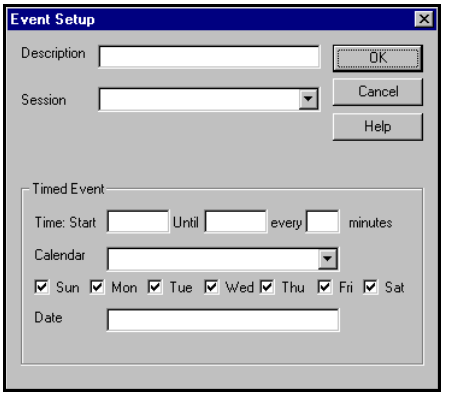
Creating, Editing, or Deleting an Event

Note

You cannot edit an event unless it is suspended. See *Executing, Suspending, or Activating an Event* on page 2-20 for more information.

To create, edit, or delete an event:

Step	Action
1	From the Desk, click the Process Control icon. **System response** The Sterling Gentran:Director Process Control dialog displays.
2	Click the Events tab.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To create an event: • Click **New**. • Continue to step 4. ■ To edit an event: • Select the event you want to edit. • Click **Edit**. • Continue to step 4. **System response** The Event Setup dialog displays.  ■ To delete an event: • Select the event you want to delete. • Click **Delete**. • Click **Yes** to confirm the deletion. • Skip to step 12. *Continued on next page*

(Cont.) Step	Action
4	In the Description box, type or edit the description of the event you are creating or editing.
5	From the Session list, select the session you want to execute with this event. **Note** To create an event, you must first create a session. See *Creating, Editing, or Deleting a Session* on page 2-12 for more information.
6	In the Time Start box, type a start time in 24-hour **HH:MM** format or 12-hour **HH:MM a** or **p** format.
7	In the Until box, type a stop time in 24-hour **HH:MM** format, 12-hour **HH:MM a** or **p** format, or 12-hour **H:MM a** or **p** format.
8	To execute the event at a specified interval, type the interval time, in minutes, in the Minutes box. **Example** If you specify 15 minutes, the event is executed every 15 minutes.
9	To use a predefined calendar, select the calendar from the Calendar list. **Note** When you select a predefined calendar and the days of the week you want the selected session to run on, you cannot specify a day in the Date box. **Reference** See *Creating, Editing, or Deleting a Calendar* on page 2-25.
10	To schedule the session to execute only on specific days, select the check box next to the appropriate day or days. **Note** If you schedule the session to execute only on specific days, you cannot specify a day in the Date box. *Continued on next page*

(Cont.) Step	Action
11	To specify that an event be executed only once and then be deleted, type the date you want the event to execute in the Date box and skip to step 12. **Note** If you type a date in the Date box, you cannot select days of the week. **Format** The format of the date you enter must correspond to the international options for Windows date formats. For example, in the United States, dates must be entered in MM/DD/YY format. In the United Kingdom, dates must be entered in DD/MM/YY format.
12	Click **OK** until all Sterling Gentran:Director dialogs close. **System response** The event is saved or deleted.

Executing, Suspending, or Activating an Event

Introduction

Process Control enables you to execute, suspend, or activate an event. For example, you have a session scheduled to run at the end of the month. This month, you need to run the session in the middle of the month. Rather than reschedule the session, you execute it when you need to.

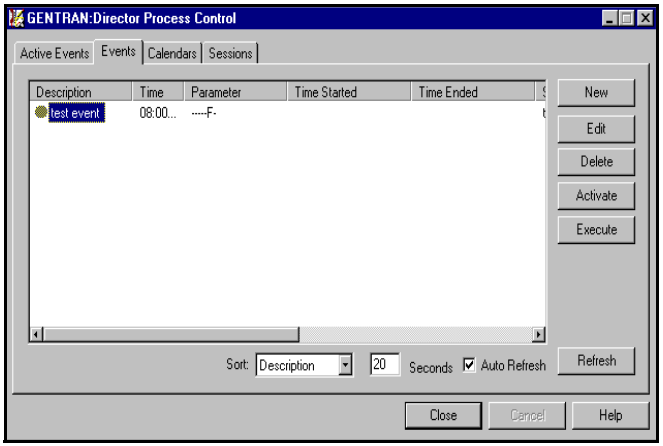
In another situation, you suspend an event to edit it. After you are finished editing the event, you activate the event so it will run at its designated time.

Executing, Suspending, or Activating an Event

Note

When a timed event is activated, Sterling Gentran:Director initiates the event at the specified day and time.

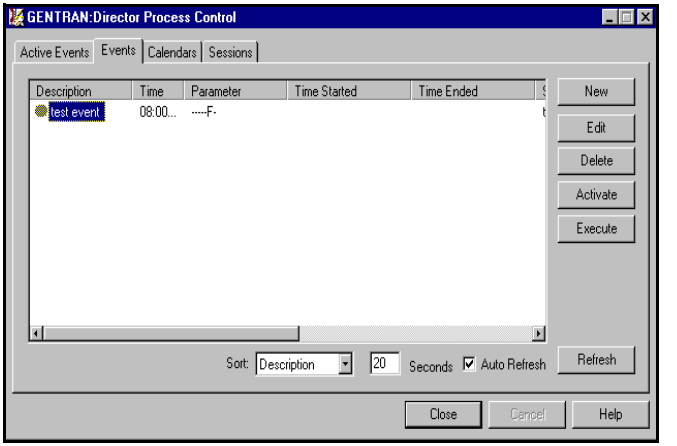
To execute, suspend, or activate an event:

Step	Action
1	From the Desk, click the Process Control icon. **System response** The Sterling Gentran:Director Process Control dialog displays.
2	Click the Events tab. 
3	Do one of the following: ■ To execute an event, select the event and click **Execute**. ■ To suspend an event, select the activated event and click **Suspend**. **Note** If an event is processing, you cannot suspend it until processing is complete. ■ To activate a suspended event, select the suspended event and click **Activate**.
4	Click **OK**. **System response** The Sterling Gentran:Director Process Control dialog closes.

Viewing Event Information

Viewing All Events

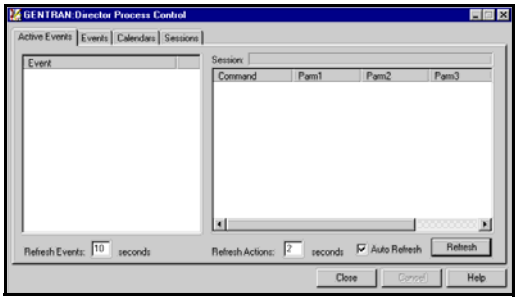
To view all events:

Step	Action
1	From the Desk, click the Process Control icon. **System response** The Sterling Gentran:Director Process Control dialog displays.
2	Click the Events tab. 
3	Do one of the following: ■ To sort the events in alphabetical order by event description, select Description from the Sort list. ■ To sort the events by status, select Status from the Sort list. Statuses are **Processing**, **Activated**, and **Suspended** and are indicated by red, green, and yellow indicators, respectively. Within each status group, the events are sorted in alphabetical order by event description. *Continued on next page*

(Cont.) Step	Action
4	In the Seconds box, type the amount of time, in seconds, that should pass before the system refreshes the dialog. The default is 20 seconds; valid values are two to 300 seconds. **Note** You must select the Auto Refresh check box to activate the Seconds box. The Seconds value is saved when you click another box. To deactivate automatic refreshing, click the Auto Refresh check box again to deselect it.
5	Click **OK**. **System response** The Sterling Gentran:Director Process Control dialog closes.

Viewing Active Events

To view active events:

Step	Action
1	From the Desk, click the Process Control icon. **System response** The Active Events tab of the Sterling Gentran:Director Process Control dialog displays.  *Continued on next page*

(Cont.) Step	Action
2	From the Event list, select the event you want to view more information about. **Note** The Session list displays each command and its parameters in the session script for that event. A green arrow indicates the session command that is processing.
3	In the Seconds box, type the amount of time, in seconds, that should pass before the system refreshes the dialog. The default is 20 seconds; valid values are two to 300 seconds. **Note** You must select the Auto Refresh check box to activate the Seconds box. The Seconds value is saved when you click another box. To deactivate automatic refreshing, click the Auto Refresh check box again to deselect it. **Defaults** ■ Automatic refresh = Enabled ■ Event list refresh = Ten seconds ■ Session refresh = Two seconds **Note** If the Active Events tab was not refreshed after an event expired, the event displays on the Active Events tab until the Active Events tab is refreshed.
4	Click **OK**. **System response** The Sterling Gentran:Director Process Control dialog closes.

Using Calendars

Introduction

The Process Control Calendar feature enables you to exclude specific dates, holidays, or days from processing.

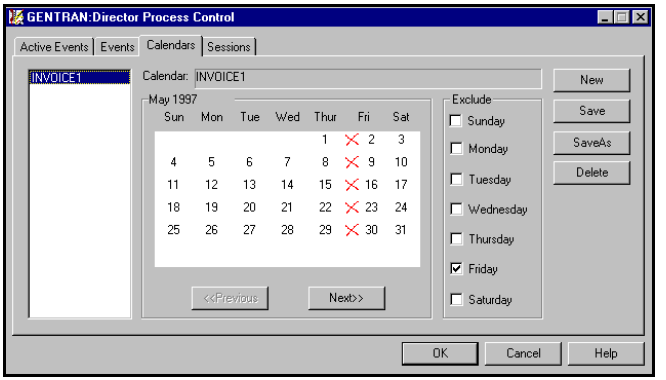
Calendars are defined independently from an event so they can be used multiple times. The calendar starts at the current month and year.

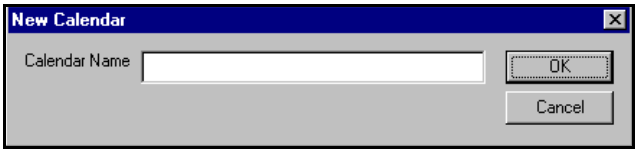
Creating, Editing, or Deleting a Calendar

Creating, Editing or Deleting a Calendar

To create, edit, or delete a calendar:

Step	Action
1	From the Desk, click the Process Control icon. **System response** The Sterling Gentran:Director Process Control dialog displays.

(Cont.) Step	Action
2	Click the Calendars tab.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To create a calendar: • Click **New**. **System response** The New Calendar dialog displays.  • In the Calendar Name box, type the calendar name, using one to eight alphanumeric characters. • Click **OK**. • Continue to step 4. ■ To edit a calendar: • Select the calendar you want to edit. • Continue to step 4. **System response** The new or selected calendar displays in the middle of the Calendars tab. ■ To delete a calendar: • Select the calendar you want to delete. • Click **Delete**. • Click **Yes** to confirm the deletion. • Skip to step 6. *Continued on next page*

(Cont.) Step	Action
4	Do one of the following, if necessary: ■ To deactivate processing on a specified date, click the date on the calendar. **System Response** A mark on the date on the calendar signifies that processing is deactivated. ■ To deactivate processing on a specified day or days, click the Exclude check box that corresponds to the day or days you want to deactivate processing. If you deactivate processing every day of the week, processing does not occur. ■ To activate processing on a specified day, select the appropriate check box again to deselect it.
5	Click **SAVE**. **System response** The calendar saves.
6	Click **OK**. **System response** The Sterling Gentran:Director Process Control dialog closes.

C H A P T E R

3

Configuring Sterling Gentran:Director

Contents

Using System Configuration

Introduction

System Configuration allows you to administer and maintain Sterling Gentran:Director.

Use Sterling Gentran:Director System Configuration to:

- Start and stop Sterling Gentran:Director
- Set global audit parameters
- Update user information
- Modify the location of Sterling Gentran:Director folders
- Modify import specifications
- Modify splitter entries

Accessing System Configuration

To access System Configuration, you must be logged on to Sterling Gentran:Director and have system administration rights.

From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. The System Configuration Program opens.

Note

Sterling Gentran:Director does not support Universal Naming Convention (UNC) paths. To browse or select a file from a dialog, you must map to the drive where the file resides. See your system administrator for more information on how to map a drive.

Maintaining Sterling Gentran:Director

Introduction

Sterling Gentran:Director maintenance includes tasks such as:

- Starting Sterling Gentran:Director
- Stopping Sterling Gentran:Director
- Setting audit parameters

Starting and Stopping Sterling Gentran:Director

You can stop and start Sterling Gentran:Director at any time. For example, stop the system before upgrading Sterling Gentran:Director or upgrading the operating system on a machine that is running Sterling Gentran:Director.

You can stop Sterling Gentran:Director from any user interface client or controller that has System Configuration installed on it.

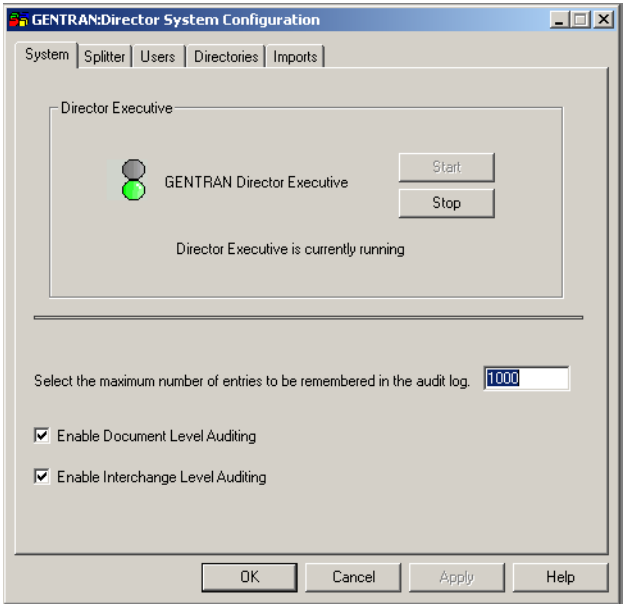
Note

You must have System Administrator privileges to access System Configuration.

Starting Sterling Gentran:Director

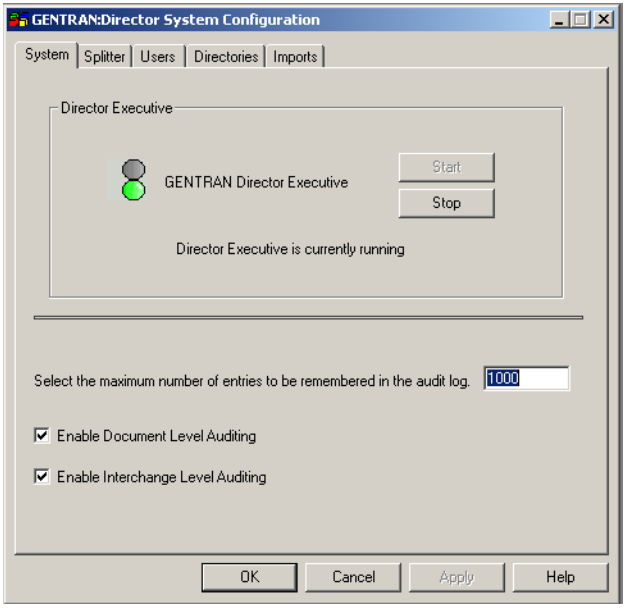
To start Sterling Gentran:Director:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** A message box indicates the system is not running. *Continued on next page*

(Cont.) Step	Action
2	Click **OK**. **System response** The System Configuration dialog System tab displays. 
3	Click **Start**.
4	Click **OK** to exit System Configuration.

Stopping Sterling Gentran:Director

To stop Sterling Gentran:Director:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** The System Configuration dialog System tab displays. 
2	Click **Stop**.
3	Click **OK** to exit System Configuration.

Setting Audit Parameters

Introduction

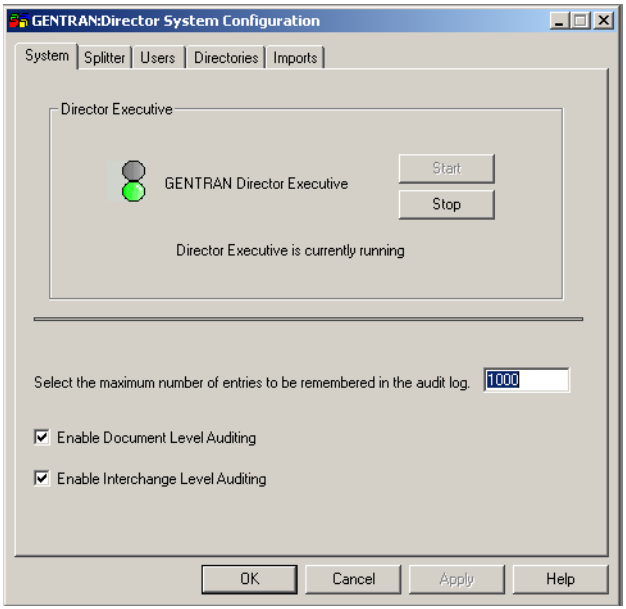
Sterling Gentran:Director Audit Log information is contained in audit database tables. When an audit table reaches the maximum number of audit records, the audit table starts over and overwrites the records at the beginning of the table.

You can specify the number of records allowed in the table before it is overwritten. You can also specify whether you want to audit on the document or interchange level.

For example, you want to retain more audit records of system events, not including document-level audit records. Change the maximum number of audit records to allow more records in the table before it is overwritten, and disable document-level auditing.

Setting Audit Parameters

To set audit parameters:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** The System Configuration dialog System tab displays. 
2	In the Maximum audit entries box, type the maximum number of entries you want to allow in the Sterling Gentran:Director Audit Log.
3	Select the Enable Document Level Auditing and the Enable Interchange Level Auditing check boxes to enable or disable auditing, as necessary.
4	Click **OK** to exit System Configuration.

Maintaining Users

Introduction

Sterling Gentran:Director user maintenance includes creating, editing, and deleting a user profile.

When you perform user maintenance, you are also maintaining security for Sterling Gentran:Director. You can control who can log on to your system and the functions the user can access, ensuring the integrity of your data.

Creating, Editing, or Deleting a User Profile

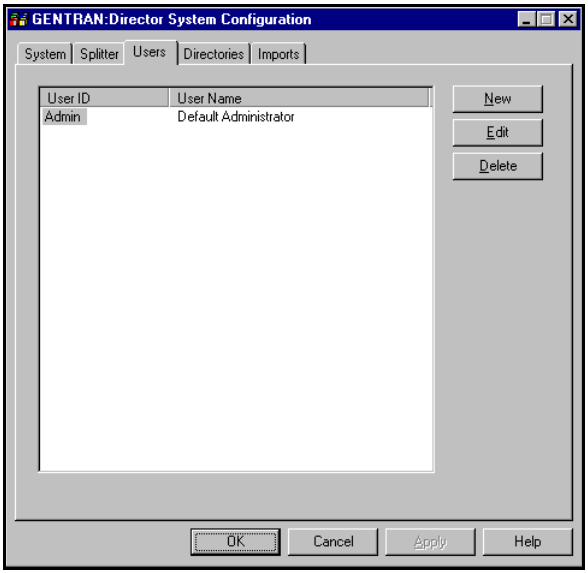
Introduction

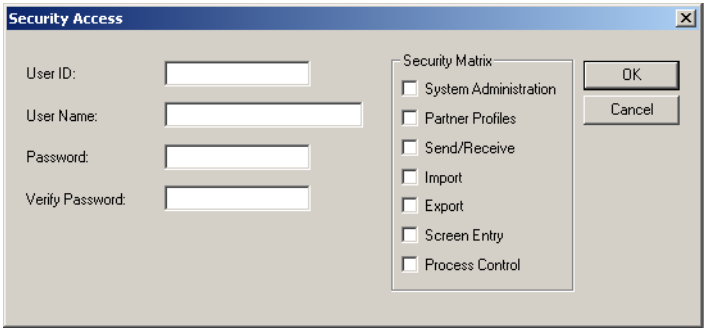
Only an administrator can create, edit, or delete a user profile. Administrators can edit their own profiles. Users can edit their own passwords. See *Chapter 4, Maintaining* Sterling Gentran:Director for more information.

Creating, Editing, or Deleting a User Profile

To create, edit, or delete a user profile:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** The System Configuration dialog System tab displays. *Continued on next page*

(Cont.) Step	Action
2	Click the Users tab. **System response** The Users tab displays.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To create a user profile: • Click **New**. • Continue to step 4. ■ To edit a user profile: • Select the name of the user whose security access you want to edit. • Click **Edit**. • Continue to step 4. **System response** The Security Access dialog displays.  ■ To delete a user profile: • Select the name of the user you want to delete. • Click **Delete**. • Skip to step 8.
4	In the User ID box, type a user ID.
5	In the User Name box, type a user name.
6	In the Password and Verify Password boxes, type the user's password.
7	From the Security Matrix section, select the features of Sterling Gentran:Director the user needs access to.
8	Click **OK** until you exit System Configuration.

Maintaining Sterling Gentran:Director Folders

Introduction

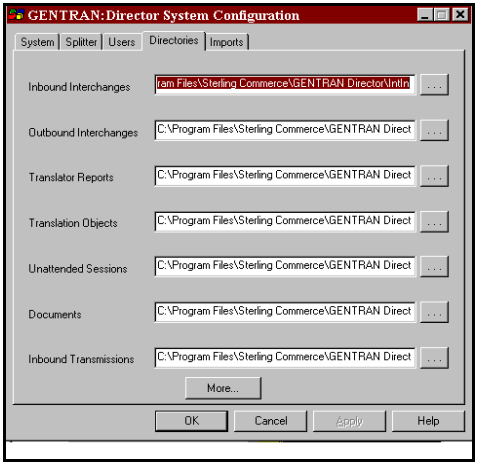
When you installed Sterling Gentran:Director, you specified folder locations for your Sterling Gentran:Director information. At times, you might need to change the location of your Sterling Gentran:Director folders.

Changing Sterling Gentran:Director Folder Locations

Changing Sterling Gentran:Director folder locations

To change Sterling Gentran:Director folder locations:

Step	Action
1	Select the System Configuration icon from the Main Toolbar. **System response** The System Configuration dialog System tab displays.

(Cont.) Step	Action
2	Select the Directories tab. **System response** The Directories tab displays folder information. 
3	In the appropriate boxes, type the file path for each folder location you want to change. To browse to the path, click the "…" button to the right of the box. **Note** To access additional folders, click **More**.
4	Click **OK** to exit System Configuration.

Maintaining Import Specifications

Introduction

To import files, you must maintain import specifications. An import specification is required for each type of import file, including each file location, file name, and file extension. The import specification indicates which import or system import translation object is used to begin translation during import.

Import specification maintenance includes:

- Creating an import specification
- Editing an import specification
- Reordering an import specification
- Deleting an import specification

To import a file, you must create an import specification for each file location, file name, and file extension you import.

If necessary, you can edit the file path or, if you defined more than one translation object for the same file path, you can reorder the list of import specifications.

For example, you defined more than one import specification for the same file path. Because the first specification in the list is used to determine which translation object to use, move up the appropriate import specification so the correct translation object is used.

In addition, you can delete an import specification when you no longer need it.

Note

If you list a file path of ***.***, indicating all files in a file path, before other file specifications, all proceeding file specifications are ignored.

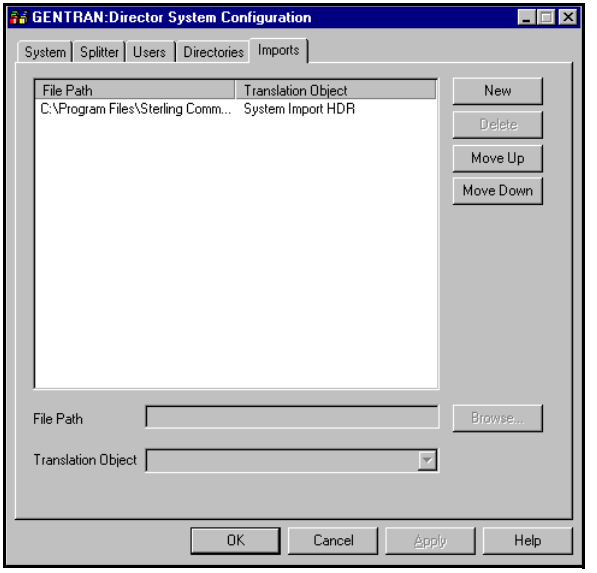
Reference

See the *IBM® Sterling Gentran:Director® Application Integration User Guide* for more information on import and system import translation objects.

Creating, Editing, or Deleting an Import Specification

Creating, Editing, or Deleting an Import Specification

To create, edit, or delete an import specification:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** The System Configuration dialog System tab displays.
2	Click the Imports tab. **System response** The Imports tab displays.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To create an import specification: • Click **New**. • Continue to step 4. ■ To edit an import specification: • From the File Path column, select the import specification you want to edit. • Continue to step 4. ■ To change the order of the import specifications: • From the File Path column, select the import specification you want to move. • Click **Move Up** or **Move Down** to move the import specification up or down in the list. • Skip to step 6. ■ To delete an import specification: • From the File Path column, select the import specification you want to delete. • Click **Delete**. The import specification is deleted without warning. • Skip to step 6.
4	In the File Path box, type the file path and file type. **Note** You can type the file path and name of a file, or you can type the file path and use wild cards to specify all files with a particular extension. For example, *.txt.
5	From the Translation Object list, select the import or system import translation object that should be used to begin translation when the specified file type is imported.
6	Click **OK** to exit System Configuration.

Maintaining Splitter Entries

Introduction

To split interchanges for data you receive, you must maintain splitter entries. A splitter entry contains parameters that identify and split interchanges for data you receive.

Splitter entries are based on the EDI or proprietary standard you use. For that reason, you might need to create, edit, or delete a splitter entry if you are implementing a proprietary standard or changing the implementation of an EDI standard.

In addition, you might need to reorder the splitter entries to break the interchanges correctly. Sterling Gentran:Director breaks interchanges based on the sequence of entries in the list on the Splitter tab.

For example, you defined the splitter entry for a UNB segment before you defined one for a UNA segment. Sterling Gentran:Director cannot process the segments in this order because the UNB segment is imbedded in the UNA segment. Reorder the list so the UNA segment displays before the UNB segment.

Warning

Default splitter entries are included with Sterling Gentran:Director. Do not edit or delete the default splitter entries.

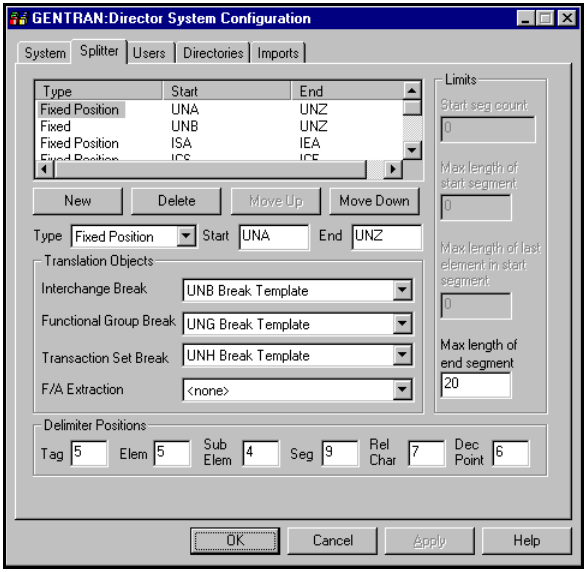
Creating, Editing, or Deleting a Splitter Entry

Introduction

You need to define a new splitter entry if you are implementing a proprietary standard, or if you are changing the implementation of an EDI standard.

Creating, Editing, or Deleting a Splitter Entry

To create, edit, or delete a splitter entry:

Step	Action
1	From the Sterling Gentran:Director Main Toolbar, select the System Configuration icon. **System response** The System Configuration dialog System tab displays.
2	Click the Splitter tab. **System response** The Splitter tab displays.  *Continued on next page*

(Cont.) Step	Action
3	Do one of the following: ■ To create a splitter entry: • Click **New**. • Continue to step 4. ■ To edit a splitter entry: • Select the splitter entry you want to edit. • Continue to step 4. ■ To reorder a splitter entry: • Select the splitter entry you want to reorder. • Click **Move Up** or **Move Down** to reorder the splitter entry. • Skip to step 9. ■ To delete a splitter entry: • Select the splitter entry you want to delete. • Click **Delete** to delete the splitter entry. The selected splitter entry is deleted without warning. • Skip to step 9. *Continued on next page*

(Cont.) Step	Action
4	From the Type list, select the splitter entry type. Valid values are: ■ **Fixed** indicates the splitter entry requires a defined set of delimiters in the EDI data. This is the default. ■ **Fixed Position** indicates the splitter entry requires delimiters at defined positions in the EDI data. Sterling Gentran:Director determines the delimiter from the position. ■ **Variable** indicates the splitter entry requires: • Interchange start and end segments • Element delimiter position • Number of elements in the start segment • Maximum length of the start segment • Maximum length of the last element in the start segment • Maximum length of the end segment **Note** Other features of the Splitter tab are activated and deactivated based on the type you select.
5	In the Start box, type the interchange start segment.
6	In the End box, type the interchange end segment.
7	In the Translation Objects section, do the following: ■ From the Interchange Break drop-down list, select the interchange break translation object used to break the interchange. ■ From the Functional Group Break drop-down list, select the functional group break translation object used to break the functional groups in the interchange. ■ From the Transaction Set Break drop-down list, select the transaction set break translation object used to break the transaction sets in the interchange. ■ From the F/A Extraction drop-down list, select the functional acknowledgment break translation object used to extract interchange-level functional acknowledgments from the interchange. *Continued on next page*

(Cont.) Step	Action
8	In the Delimiters section, do the following, according to the type you selected in step 4: ■ In the Tag box: • If you selected **Fixed**, type the tag separator. • If you selected **Fixed Position**, type the position of the tag separator in the interchange. • If tag separators do not apply to the standard you are using, type **0** (zero). ■ In the Elem box: • If you selected **Fixed**, type the element separator. • If you selected **Fixed Position**, type the position of the first element separator in the interchange. • If you selected **Variable**, type the position of the first element delimiter in the interchange. • If element separators do not apply to the standard you are using, type **0** (zero). ■ In the Sub Elem box: • If you selected **Fixed**, type the subelement separator. • If you selected **Fixed Position**, type the position of the first subelement separator in the interchange. • If subelement separators do not apply to the standard you are using, type **0** (zero). ■ In the Seg box: • If you selected **Fixed**, type the segment terminator. • If you selected **Fixed Position**, type the position of the first segment terminator in the interchange. • If segment terminators do not apply to the standard you are using, type **0** (zero). *Continued on next page*

(Cont.) Step	Action
8 (cont.)	■ In the Rel Char box: • If you selected **Fixed**, type the release indicator. • If you selected **Fixed Position**, type the position of the first release indicator in the interchange. • If release indicators do not apply to the standard you are using, type **0** (zero). ■ In the Dec Point box: • If you selected **Fixed**, type the decimal point notation. • If you selected **Fixed Position**, type a comma or a period to indicate the decimal point in a numeric field. • If decimal points do not apply to the standard you are using, type **0** (zero).
9	Click **OK** to exit System Configuration.

C H A P T E R

4

Maintaining Sterling Gentran:Director

Contents

Maintaining Sterling Gentran:Director

Introduction

Sterling Gentran:Director maintenance tasks include maintaining security, maintaining log and other files, and backing up and restoring Sterling Gentran:Director.

Changing Your Password

Introduction

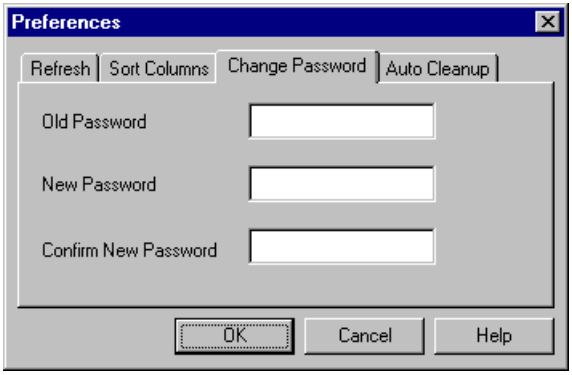
Passwords help you maintain system security and the integrity of your data by controlling who can log on and which functions they can access.

For additional security, it is a good idea to regularly change your password. You must know your password to change it. If you forgot your password, contact your system administrator.

Changing Your Password

To change your password:

Stage	Description
1	From the Tools menu, select Preferences. **System response** The Preferences dialog displays.

(Cont.) Stage	Description
2	Select the Change Password tab. **System response** The Change Password tab displays. 
3	In the Old Password field, type your old password.
4	In the New Password field, type your new password.
5	In the Confirm New Password field, retype your new password. **Note** If the Confirm New Password does not match the New Password, you are prompted to type it again.
6	Click **OK**.

Deleting Temporary Files

Deleting Temporary Files

To delete temporary files (*.TMP) from the Temp folder:

Step	Action
1	From the Tools menu, select **Cleanup** > **Temp Files**.
2	Click **Yes** to delete the temporary files. **System response** All temporary files are deleted from the Temp folder.

Purging the Audit Log

Purging the Audit Log

To purge the Audit Log:

Step	Action
1	From the Tools menu, select **Cleanup** > **Audit Log**.
2	Click **Yes** to purge the Audit Log records. **System response** All records are purged from the Audit Log.

Purging the Comm Log

Purging the Comm Log

To purge the Comm Log:

Step	Action
1	From the Tools menu, select **Tools** > **Communications** > **Log**.
2	Click **Purge!**
3	Select the age, in days, the communication session should be to be purged. For example, if you select thirty days, communication sessions older than thirty days are purged from the Comm Log.
4	Click **OK**. **System response** Records that meet the age criteria you selected are purged from the Comm Log. **Warning** Purging the Comm Log will also purge corresponding files in the TransIn folder.

Backing Up and Restoring Sterling Gentran:Director

Introduction

If you regularly back up Sterling Gentran:Director, you increase the chances of a successful recovery if a system failure occurs. The volatility of your data dictates how often you should perform backups.

If necessary, you can restore Sterling Gentran:Director from the most recent backup.

Before you back up or restore Sterling Gentran:Director:

- Suspend Sterling Gentran:Director processing. See *Executing, Suspending, or Activating an Event* on page 2 - 20 for more information.

- If you use backup software to perform your system backups, install it.
- If you use a tape drive to perform your system backups, have enough tapes available.

Backing up Sterling Gentran:Director

To back up Sterling Gentran:Director:

Step	Action
1	Use your usual backup method, such as a tape or a file copy, to copy the DirectorConnection folder.
2	Store the backup copy in a safe location.

Restoring Sterling Gentran:Director

To restore Sterling Gentran:Director:

Step	Action
1	Use your usual restore method, such as a tape or a file copy, to restore the DirectorConnection folder from the most recent system backup.
2	Reprocess any data generated or received after the most recent backup.

A P P E N D I X

A

Program and Folder Descriptions

Contents

Introduction

The System Information appendix contains program and folder descriptions for Sterling Gentran:Director.

Program and Folder Descriptions

Program Descriptions

The following table describes, in alphabetical order, Sterling Gentran:Director programs.

Program	Description
AUDIT.DLL	Audit Log
COMMPOST.EXE	Communications Post Processor
CONFIG.EXE	System Configuration
DIRECTOREXECUTIVE . EXE	Sterling Gentran:Director Executive
EDIMGR.EXE	Sterling Gentran:Director for Windows EC Manager
FORMS.EXE	Forms Integration subsystem
GENCOM.DLL	
GENCOM32.DLL	
GENCOMDV.EXE	Communication Driver
GENCOMSV.EXE	Communicator Queue
GENMSG.DLL	
GENSEC.DLL	
MAPPER.EXE	Application Integration subsystem
PARTNRED.EXE	Partner Editor
PROCCNTL.EXE	Process Control Setup
SENDFILE.EXE	Standalone Communications
TX32.EXE	Translator/Document Editor
UNATTEND.EXE	Process Control Execution
XPROCESS.EXE	Extra Processing Program for pre- and post-processing

Folder Descriptions

The following table describes, in alphabetical order, default Sterling Gentran:Director folders.

Folder	Contents
Bin	Sterling Gentran:Director program executables (binaries)
CommDB	Sterling Gentran:Director communication port definitions and profiles
Commscr	Sterling Gentran:Director communication script files
Commlogs	Sterling Gentran:Director communication log files
Database	Sterling Gentran:Director database structures
Documents	Sterling Gentran:Director documents
Exports	Sterling Gentran:Director export files
Forms	Sterling Gentran:Director forms integration source files
Imports	Sterling Gentran:Director import files
IntIn	Received interchanges
IntOut	Sent interchanges
IpcMsg	Sterling Gentran:Director temporary inter-process communication files
Maps	Sterling Gentran:Director application integration source files
Partners	Sterling Gentran:Director imported and exported partner profiles
RegTransObj	Sterling Gentran:Director registered translation objects
Temp	Sterling Gentran:Director temporary files
TranRpt	Translator reports. These reports are stored in binary format and should be printed using Sterling Gentran:Director only
TransIn	Files received during communications
TransObj	System translation objects
TransOut	Files to be sent

Folder	Contents
Tutorial	Files associated with Application and Forms Integration tutorials
Unattend	Process Control files

A P P E N D I X

B

Process Control Commands

Contents

Process Control Commands

Introduction

The Process Control Commands appendix includes the following information:

- Command descriptions, listed alphabetically by command name
- Parameters for each command
- Requirement specifications
- Valid entries for each parameter

The following table indicates how asterisks that appear before a command are used in this appendix.

Asterisk (*)	Meaning
*	The parameter is required.
**	The parameter is one of two parameter that are mutually exclusive.
***	The parameter is one of two parameters: one parameter is required; both can be used.

Parameters you do not use are written to the session file as "" (two double quotes).

Warning

If you manually create the session file, verify that all commands, command parameters, conditions, condition parameters, and condition results are enclosed in quotes. If a command parameter, condition, condition parameter, or condition result is not used, specify it as "" (two double quotes) in the session file.

Exec_Program

Introduction

Use the Exec_Program command to:

- Run a specified program during the Process Control session.
- Specify command line arguments needed to execute the program. The session execution does not continue until the program completes.
- Integrate Sterling Gentran:Director with another application.

Example

You want to start another application to update your databases with exported data when an inbound session ends. The Exec_Program enables you to start the specified application when the session ends.

Command parameters

The following table lists the Exec_Program command parameters.

Number	Command Parameter	What to Type
*1	Execute Program	Type the name of the program you want to run and command line arguments that are required to run the program. **"Program name and command line arguments"**
2	Working Directory	Type the name of the working directory to use when the program executes. If you do not specify a working directory, the folder that is selected when the program executes is used. **"Working directory name"**
3		""
4		""
5		""
6		""

File_Copy

Introduction

Use the File_Copy command to copy an output file of your EDI data to your hard drive. The file you copy is connected to the file you copy it to. If you do not specify a file path for the file, the file is copied to the Sterling Gentran:Director installation folder.

Command Parameters

The following table lists the File_Copy command parameters.

Number	Command Parameter	What to Type
*1	Copy From File	Type the name of the file that you want to copy. **"File name to be copied"**
*2	Copy To File	Type the name of the file you want to copy the file to. **"File name to be copied to"**
3		""
4		""
5		""
6		""

File_Delete

Introduction

Use the File_Delete command to delete a file. If you do not specify a file path for the file, Sterling Gentran:Director searches for the file in the installation folder.

Command Parameters

The following table lists the File_Delete command parameters.

Number	Command Parameter	What to Type
*1	File To Delete	Type the name of the file that you want to delete. **"File name"**
2		""
3		""
4		""
5		""
6		""

File_Rename

Introduction

Use the File_Rename command to rename a file. If the name you choose already exists, the rename operation fails. If you do not specify a file path for the renamed file, Sterling Gentran:Director searches for the file in the installation folder.

Command Parameters

The following table lists the File_Rename command parameters.

Number	Command Parameter	What to Type
*1	Original File Name	Type the name of the file that you want to rename. **"File name to rename"**
*2	New File Name	Type the new name of the file. **"New file name"**
3		""

Number	Command Parameter	What to Type
4		""
5		""
6		""

GDW_Audit_Purge

Introduction

Use the GDW_Audit_Purge command to delete all audit records and reset the SystemAuditNextEntry value in the database tables program to zero. No applicable parameters exist for this command.

Command Parameters

The following table lists the GDW_Audit_Purge command parameters.

Number	Command Parameter	What to Type
1		""
2		""
3		""
4		""
5		""
6		""

GDW_Audit_Rpt

Introduction

Use the GDW_Audit_Rpt command to copy the designated number of audit records to a specified file. The records in the Audit Log are listed chronologically from newest to oldest. If you do not specify a file path, the file is placed in the Sterling Gentran:Director installation folder. If the specified file already exists, the new audit report data is appended to the existing file.

Using Command Parameter 2

Command parameter 2 (Number of Audit Records to Report) specifies the number of audit records to report. To use command parameter 2, use the following guidelines:

- If you specify a number of audit records in command parameter 2, the number of records copied to the file specified in command parameter 1 (Audit Report File Name) depends on the following:
  - If the number of records in the audit file is less than the number specified in command parameter 2, all the audit file records are copied to the specified file.
  - If the number of records in the audit file is more than the number specified in command parameter 2, only the specified number of records are copied to the file.
- If you do not specify command parameter 2, or it is set to zero, all records in the audit file are copied to the file specified in command parameter 1.

Note

The database contains an AuditMaxEntries value that specifies the number of audit records. If you specify more audit records for command parameter 2 than AuditMaxEntries allows, all audit file records are copied.

Command Parameters

The following table lists the GDW_Audit_Rpt command parameters.

Number	Command Parameter	What to Type
*1	Audit Report File Name	Type the name of the Audit Report File that is created. **"Audit report file name"**
2	Number of Audit Records to Report	Type the number of audit file records that you want to copy to the specified file. **"Number"**
3		""
4		""
5		""
6		""

GDW_Document_Purge

Introduction

Use the GDW_Document_Purge command to purge documents from the Sterling Gentran:Director database according to age, date, location, and status. If all the documents in a group or interchange are purged, group database records and interchange database record are also purged.

Parameters

Warning

The following parameters are not required. However, if you do not specify any parameters, all documents are deleted.

- If command parameter 1 (Document Location) is not used, the documents in all locations are purged.
- If command parameter 2 (Document Status) is not used, the documents are purged regardless of status.

- If command parameter 3 (Document Age or Date) is not used, the documents are purged regardless of age or date.
- If command parameter 3 is used, you can specify an age, in days, or a date.

  Notes

  - If you specify an age, all documents older than or equal to the specified number of days are purged. For example, Zero (**0**) indicates that all documents are purged, including today's documents. One (**1**) indicates that all documents except today's documents are purged.
  - If you specify a date, all documents created on that day are purged. Dates are specified in YYYY/MM/DD format.

Command Parameters

The following table lists the GDW_Document_Purge command parameters.

Number	Command Parameter	What to Type
1	Document Location	Select the location of the document you want to purge. Valid values are: ■ **"In Documents"** ■ **"?In Documents"** ■ **"Out Documents"** ■ **"?Out Documents"** ■ **"In Drawer"** ■ **"Out Drawer"** ■ **"Workspace"** ■ **"Queued"** (Send Queue) *Continued on next page*

Number	Command Parameter	What to Type
2	Document Status	Select the status of the document you want to purge. Valid values are: ■ **"DocQueued"** ■ **"Duplicate"** ■ **"FAPartial"** indicates there were no acknowledgments expected for this document and the group or the interchange was partially acknowledged ■ **"FAReceived"** indicates the document was acknowledged by your partner and there were no errors ■ **"FAReject"** indicates the document was acknowledged and rejected by your partner because there were errors ■ **"FAWErrors"** indicates the document was acknowledged by your partner and accepted with errors ■ **"Incomplete"** ■ **"NetDelivered"** ■ **"NetError"** ■ **"NetPickedUp"** ■ **"NetReceived"** ■ **"NetWarning"** ■ **"NotOK"** ■ **"OK"** ■ **"OverDue"** ■ **"Sent"** ■ **"Waiting"**
3	Document Age or Date	Type the date, in YYYY/MM/DD format, or age, in numerics, of the document you want to purge. For example, zero (**"0"**) indicates that all documents are purged, including today's documents. One (**"1"**) indicates that all documents except today's documents are purged. ■ **"Age"** ■ **"Date"**
4		""
5		""
6		""

GDW_Document_Rpt

Introduction

Use the GDW_Document_Rpt command to create a file that contains formatted document data, as well as group and interchange data for documents in the Sterling Gentran:Director database according to status, location, and age or date.

Note

If you do not specify a path, the Document Report File Name is placed in the Sterling Gentran:Director installation folder. If the file exists, the new document report data is appended to the existing file.

Using Command Parameter 2

If command parameter 2 (Document Location) is not used, the documents in all locations are used.

Using Command Parameter 3

If command parameter 3 (Document Status) is not used, all documents are used, regardless of status.

Using Command Parameter 4

If command parameter 4 is used, you can specify an age in number of days or a date.

- If you specify an age, all documents less than or equal to the specified number of days are used. For example, zero (**0**) indicates that documents from the current day are used. One (**1**) indicates that documents from the current day and the day before are used. Two (**2**) indicates that documents from the current day, the day before, and two days before are used.
- If you specify a date, all documents created on that day are used. Specify dates in YYYY/MM/DD format.

If command parameter 4 (Document Age or Date) is not used, all documents are used, regardless of age or date.

Note

If no documents match the specified parameters, the system does not create the document report file, and a message is written to the Audit Log.

Command Parameters

The following table lists the GDW_Document_Rpt command parameters.

Number	Command Parameter	What to Type
*1	Report File Name	Type the document report file name. **"File Name"**
2	Document Location	Select the location of the document you want to use. Valid values are: ■ **"In Documents"** ■ **"?In Documents"** ■ **"Out Documents"** ■ **"?Out Documents"** ■ **"In Drawer"** ■ **"Out Drawer"** ■ **"Workspace"** ■ **"Queued"** (Send Queue)
3	Document Status	Select the status of the document you want to use. Valid values are: ■ **"DocQueued"** ■ **"Duplicate"** ■ **"FAPartial"** ■ **"FAReceived"** ■ **"FAReject"** ■ **"FAWErrors"** ■ **"Incomplete"** ■ **"NetDelivered"** ■ **"NetError"** ■ **"NetPickedUp"** ■ **"NetReceived"** ■ **"NetWarning"** ■ **"NotOK"** ■ **"OK"** ■ **"OverDue"** ■ **"Sent"** ■ **"Waiting"**

Number	Command Parameter	What to Type
4	Document Age or Date	Type the age, in numerics, or date, in YYYY/MM/DD format, of the document you want to use. For example, zero (**0**) indicates that documents from the current day are used. One (**1**) indicates that documents from the current day and the day before are used. Two (**2**) indicates that documents from the current day, the day before, and two days before are used.
5		""
6		""

Document Report File

The GDW_Document_Rpt command formats a comma-delimited positional text file that contains the data from the requested EDI documents processed by Sterling Gentran:Director. The following formatting standards are used:

- Character fields are enclosed in double quotes (**"character_field"**).
- Data fields that are not applicable for a designated processing stage are indicated on the report as two double quotes (**""**).
- Numeric fields that do not apply to a designated processing stage are indicated on the report as two commas (**,,**).

The document report record contains data organized into three categories: document, group, and interchange.

Note

An asterisk (*****) in the Field Name column denotes a time field formatted in the number of seconds since 00:00:00 on January 1, 1970.

The following table describes the document report file layout.

Document Report File Layout			
Field Name	**Type**	**Max Length**	**Values**
Document Table Information			
DocumentKEY	numeric	10	
Direction	numeric	1	0 = Inbound 1 = Outbound
PartnerKEY	character	10	
DocumentName	character	20	
TransactionSetID	character	6	
FunctionalGroupID	character	6	
ControlNumber	character	18	

Continued on next page

Document Report File Layout			
Field Name	**Type**	**Max Length**	**Values**
LocationStatus	numeric	1	0 = In Drawer 1 = Out Drawer 2 = In Documents 3 = ?In Documents 4 = Out Documents 5 = ?Out Documents 6 = Workspace 7 = Queued
ComplianceStatus	numeric	2	0 = Incomplete 1 = NonCompliant 2 = OK 3 = DocQueued 4 = Sent 5 = NetReceived 6 = NetDelivered 7 = FAReceived 8 = Waiting 9 = OverDue 10 = NetWarning 11 = NetError 12 = FAwErrors 13 = FAPartial 14 = FAReject 15 = NetPickedUp 16 = Duplicate
TimeCreated*	numeric	10	
Release	numeric	5	(TRADACOMS only)
TestModeChar	numeric	1	0 = Production 1 = Test
Agency	character	1	
InterchangeVersion	character	13	
GroupVersion	character	13	

Continued on next page

Document Report File Layout			
Field Name	**Type**	**Max Length**	**Values**
DocumentVersion	character	13	
ReferenceData	character	10	
TranslationReportFile	character	13	
AppField1	character	40	
AppField2	character	40	
AppField3	character	40	
AppField4	character	40	
AppField5	character	40	
AppField6	character	40	
ExpectOrGenerateAck	numeric	1	0 = Do not expect or generate acknowledgments 1 = Expect or generate acknowledgments
AckHoursOverdue	numeric	5	
AckStatus	numeric	1	0 = Not required 1 = Waiting 2 = OK 3 = Acknowledged with errors 4 = Partially acknowledged 5 = Rejected
Group Table Information			
GroupKEY	numeric	10	
PartnerKEY	character	10	
ControlNumber	character	18	
FunctionalGroupID	character	6	

Continued on next page

Document Report File Layout			
Field Name	**Type**	**Max Length**	**Values**
ExpectOrGenerateAck	numeric	1	0 = Do not expect or generate acknowledgments 1 = Expect or generate acknowledgments
AckHoursOverdue	numeric	5	
AckStatus	numeric	1	0 = Not required 1 = Waiting 2 = OK 3 = Acknowledged with errors 4 = Partially acknowledged 5 = Rejected
AckTime*	numeric	10	
AckTransactionSetID	character	6	
NoTransactionsAccepted	numeric	5	
NoTransactionsRejected	numeric	5	
Interchange Table Information			
InterchangeKEY	numeric	10	
PartnerKEY	character	10	
ControlNumber	character	18	
TimeCreated*	numeric	10	
TimeSent*	numeric	10	
ProcessedStatus	numeric	2	1 = Received 2 = Sent 3 = Ready to Send 4 = Queued 5 = Hold 6 = Overdue

Continued on next page

Document Report File Layout			
Field Name	**Type**	**Max Length**	**Values**
TestMode	numeric	1	0 = Production 1 = Test
ExpectOrGenerateAck	numeric	1	0 = Do not expect or generate acknowledgments 1 = Expect or generate acknowledgments
AckHoursOverdue	numeric	5	
AckStatus	numeric	1	0 = Not required 1 = Waiting 2 = OK 3 = Acknowledged with errors 4 = Partially acknowledged 5 = Rejected
AckTime*	numeric	10	
NetworkStatus	numeric	2	0 = Not sent 1 = Received OK 2 = Network Warning 3 = Network Error 4 = Picked Up 5 = Transmitted to third-party network
NetworkTime*	numeric	10	
NoGroupsAccepted	numeric	5	
NoGroupsRejected	numeric	5	
NoTransactionsAccepted	numeric	5	
NoTransactionsRejected	numeric	5	
Filename	character	13	
TranslationReportFile	character	13	

GDW_Export

Introduction

Use the GDW_Export command to export documents from In Documents. You can restrict the export to documents for a specified trading partner profile ID or documents of a specified type.

Note

The export function writes documents to the defined export file. If the export file exists prior to the export, the new export data is added to the existing file.

Location of files

If you do not specify a file name, the documents are written to the default export file, defined for the inbound relationship for the partner. If you do not specify a file path, documents are placed in the default Export folder specified in System Configuration.

Using Command Parameters

You can use command parameter 2 (Select Partner Profile ID) and command parameter 3 (Select Document Type) to restrict the exported documents.

Command Parameters

The following table lists the GDW_Export command parameters.

Number	Command Parameter	What to Type
1	Export To File	Type the name of the file you want to export to. If you do not specify a file name, the default export file specified in the trading partner relationship is used. **"File name"**
2	Select Partner Profile ID	Type a partner profile ID to restrict the action to documents for that partner only. **"Partner profile ID"**
3	Select Document Type	Type a document type, transaction set or message, to restrict the export to documents of that type only. **"Document type"**
4		""
5		""
6		""

GDW_Import

Introduction

Use the GDW_Import command to perform the Sterling Gentran:Director Import function. In Process Control, the GDW_Import command translates data from an application file to EDI. If you do not specify a file path, Sterling Gentran:Director searches for the file in the Imports folder defined in System Configuration.

Note

Compliant documents are placed in Out Documents, and non-compliant documents are placed in ?Out Documents. If you do not specify a full file path, documents are placed in the default Imports folder defined in System Configuration.

Command Parameters

The following table lists the GDW_Import command parameters.

Number	Command Parameter	What to Type
*1	Import From File	Type the name of the file you want to import. **"File name"**
2		""
3		""
4		""
5		""
6		""

GDW_Location_Export

Introduction

Use the GDW_Location_Export command to create interchange and document translator reports and/or EDI data reports in a specified file.

Note

If you do not specify a path, the Sterling Gentran:Director installation folder will be used. If the specified file already exists, the data is appended to the end of the existing file.

Using Command Parameters 2 and 3

You must specify either command parameter 2 (Document Location) or command parameter 3 (Document Key). If you specify both, the system uses only the document key. If you do not specify either parameter, the system assumes you entered an invalid location and will not print any data.

To determine what values to use for the document key, run the GDW_Document_Rpt command. The GDW_Document_Rpt command

creates a file that contains formatted data (including the document key) about specified documents in the system. See the *GDW_Document_Rpt* on page B - 11.

Using Command Parameters 4 and 5

You must specify one or both of command parameter 4 and 5 (Data or Translator Report). Both of these parameters are used to determine the order and type of data in the location report:

- If you specify DATA for either parameter 4 or 5, the system prints the EDI data for the specified document(s).
- If you specify TXRPT for either parameter 4 or 5, the system prints the document and interchange translator reports for the specified documents.
- If you specify both DATA and TXRPT, the system prints (in order) the following for each document in the interchange:
  - the interchange translator report
  - EDI data
  - the document translator report

Note

Interchange translator reports are printed only for inbound interchanges.

Command Parameters

The following table lists the GDW_Location_Export command parameters.

Number	Command Parameter	What to Type
*1	Translator Report File Name	Specify the name of the location report file. **"Report file name"** *Continued on next page*

Number	Command Parameter	What to Type
**2	Document Location	Select the location of the documents that you want to use from the system.Valid values are: ■ **"In Documents"** ■ **"?In Documents"** ■ **"Out Documents"** ■ **"?Out Documents"** ■ **"In Drawer"** ■ **"Out Drawer"** ■ **"Workspace"** ■ **"Queued"** (Send Queue)
**3	Document Key	Type the document key as specified on the document report (in the Document Key field) created with the GDW_Document_Rpt Command. **"Document key"**
***4	Data or Translator Report	Specify if you want the system to print the EDI data or the translator report(s). ■ **"DATA"** ■ **“TXRPT”**
***5	Data or Translator Report	Specify if you want the system to print the EDI data or the translator report(s). ■ **"DATA"** ■ **“TXRPT”**
6		""

GDW_Partner_Delete

Introduction

Use the GDW_Partner_Delete command to remove a partner profile from the Sterling Gentran:Director database.

Using Command Parameters

If the partner specified in command parameter 1 (Partner Key) exists, Sterling Gentran:Director deletes documents and interchanges associated with the partner, then deletes the partner.

If the partner specified in command parameter 1 does not exist, a message box displays. Processing is terminated and a message is written to the Audit Log.

When the partner is deleted, a message displays in the Audit Log.

Note

When you delete a partner, the documents and interchanges associated with that partner are also deleted.

Command Parameters

The following table lists the GDW_Partner_Delete command parameters.

Number	Command Parameter	What to Type
*1	Partner Key	Type the profile ID of the partner you want to delete. **"Profile ID"**
2		""
3		""
4		""
5		""
6		""

GDW_Partner_Export

Introduction

Use the GDW_Partner_Export command to download data from a partner on the Sterling Gentran:Director partner database to a file. The

GDW_Partner_Export command writes the partner profile to the defined export file. If the export file exists before the export, the file is overwritten.

Note

If you do not specify a file name, the partner profile ID is used with the file extension .PAR. If you specify a file name without a file path, the default Partner directory specified in System Configuration is used.

Using Command Parameters

If the partner profile ID specified in command parameter 1 (Partner Key) does not exist, a message displays. Processing is terminated and a message displays in the Audit Log.

Command Parameters

The following table lists the GDW_Partner_Export command parameters.

Number	Command Parameter	What to Type
*1	Partner Key	Type the profile ID of the partner you want to export. **"Profile ID"**
2	Export File Name	Type the name of the file you want the partner exported to. **"File name"**
3		""
4		""
5		""
6		""

GDW_Partner_Import

Introduction

Use the GDW_Partner_Import command to import partner details to the Sterling Gentran:Director partner database. This command also enables you

to modify associated groups and interchanges for this partner and to indicate your company's sender ID and qualifier at the interchange levels and the application senders code and qualifier at the group level.

Note

If you specify a file name without a file path, the default Partner directory specified in System Configuration is used.

Using Command Parameters

Command parameters are used in the following manner:

- Command parameter 2 enables you to specify the Sender ID Qualifier at the interchange level.
- Command parameter 3 enables you to specify the Sender ID at the interchange level.
- Command parameter 4 enables you to specify the Application Senders Qualifier at the group level.
- Command parameter 5 enables you to specify the Application Senders Code at the group level.

Sterling Gentran:Director uses the following logic to override data from the partner import file, based on the EDI standard used and the level of the generic envelope (group or interchange):

- For a GS envelope, Field 2 = command parameter 5.
- For a UNG envelope, Field 3 = command parameter 4 and Field2 = command parameter 5.
- For a BG envelope, Field3 = command parameter 3.
- For an ICS envelope, Field5 = command parameter 2 and Field6 = command parameter 3.
- For an ISA envelope, Field5 = command parameter 2 and Field6 = command parameter 3.
- For a STX envelope, Field3 = command parameter 3.
- For a UNB envelope, Field4 = command parameter 2 and Field3 = command parameter 3.

The parameters you use depend on the EDI standard you use. For example, if you use the ANSI X12 standard, the group level does not contain an Application Senders Qualifier, so you would not specify command parameter 4.

Command Parameters

The following table lists the GDW_Partner_Import command parameters.

Number	Command Parameter	What to Type
*1	Partner Import File Name	Type the name of the file that you want to import. **"File name"**
2	Sender ID Qualifier/ Interchange	Type the sender ID qualifier for the interchange level. **"Sender ID qualifier"**
3	Sender ID Interchange	Type the sender ID for the interchange level. **"Sender ID"**
4	Application Senders Qualifier Group	Type the application senders qualifier for the group level. **"Application senders qualifier"**
5	Application Senders Code Group	Type the application senders code for the group level. **"Application senders code"**
6		**""**

GDW_Partner_Init

Introduction

Use the GDW_Partner_Init command to locate the outbound relationship(s) for the specified partner and modify the associated group(s) and interchange(s) for the outbound relationship(s), according to the values you specify.

This command enables you to indicate your company's sender ID and qualifier at the interchange levels and the application senders code and qualifier at the group level.

Warning

Depending on which EDI standard you are using, not all parameters may be applicable. For example, if you are using ANSI X12, the group level does not contain an Application Senders Qualifier, so you would not be able to use command parameter 4.

Using Command Parameter 1

If the partner specified in command parameter 1 (Profile ID) does not exist, the system does the following:

- Notifies you with a dialog box (click OK)
- Terminates processing
- Writes a message to the Audit Log

Command Parameters

The following table lists the GDW_Partner_Init command parameters.

Number	Command Parameter	What to Type
*1	Profile ID	Type the profile ID of the partner to be modified. This is *not* the partner name. **"Partner profile ID"**
2	Sender ID Qualifier/ Interchange	Type the sender ID qualifier for the interchange level. **"Sender ID qualifier"**
3	Sender ID Interchange	Type the sender ID for the interchange level. **"Sender ID"**
4	Application Senders Qualifier Group	Type the application senders qualifier for the group level. **"Application senders qualifier"**
5	Application Senders Code Group	Type the application senders code for the group level. **"Application senders code"**
6		**""**

GDW_Print

Introduction

Use the GDW_Print command to print documents from In Documents. You can print only documents for a specified trading partner or documents of a specified type.

Using Command Parameters

Command parameter 1 (Select Partner) and command parameter 2 (Select Document Type) can be used to print documents by partner and document type.

Note

If you do not specify command parameter 1 or command parameter 2, all documents in In Documents print.

Command Parameters

The following table lists the GDW_Print command parameters.

Number	Command Parameter	What to Type
1	Select Partner	Type the partner profile you want to print documents for. **"Partner profile"**
2	Select Document Type	Type the document type, transaction set or message, you want to print. **"Document type"**
3		""
4		""
5		""
6		""

GDW_Process_File

Introduction

Use the GDW_Process_File command to invoke the post-communications process with an EDI file, just as if the file was received during a communications session.

If you do not specify a complete file path for the file in command parameter 1 (File to Process), the default IntIn folder specified in System

Configuration is used.

Note

If the file specified in command parameter 1 does not exist, Sterling Gentran:Director terminates processing and writes a message to the Audit Log.

Command Parameters

The following table lists the GDW_Process_File command parameters.

Number	Command Parameter	What to Type
*1	File To Process	Type the name of the file you want to process. **"File name"**
2		""
3		""
4		""
5		""
6		""

GDW_Receive

Introduction

Use the GDW_Receive command to establish a receive-only communications session with one or all of your defined connections.

Note

If you specify **<all>** in command parameter 1 (Communications Profile), Sterling Gentran:Director initiates receive sessions for each communications profile.

Command Parameters

The following table lists the GDW_Receive command parameters.

Number	Command Parameter	What to Type
*1	Communications Profile	Type the name of the communications profile for which you want to establish a receive-only communications session. Or, type **<all>** to initiate receive-only communications sessions with all communications profiles (which are not FileCopy-type profiles). ■ **"Communications Profile"** ■ **“<all>”**
2		""
3		""
4		""
5		""
6		""

GDW_Register_Template

Introduction

Use the GDW_Register_Template to identify a specified template to the system. The system verifies that the template is valid and then registers it, even if another version of the same template is already registered.

Note

If you do not specify a path, the Sterling Gentran:Director installation folder will be used.

Using Command Parameter 1

If the template you specify in Command Parameter 1 (Template File Name) does not exist, the system does the following:

- Notifies you with a dialog box (click OK)
- Terminates processing
- Writes a message to the Audit Log

Command Result

After the registration process completes, the system writes a message to the Audit Log stating that the template was registered successfully. It also notes whether the template is new or a change (overwriting an existing template).

Command Parameters

The following table lists the GDW_Register_Template command parameters.

Number	Command Parameter	What to Type
*1	Template File Name	Type the name of the template file you want to register. **"Template file name"**
2		""
3		""
4		""
5		""
6		""

GDW_Send_Receive

Introduction

Use the GDW_Send_Receive command to establish a send-receive communications session with one or all of your defined connections. You can restrict the transmission by partner and document type.

Using with Auto-Send

If you set up an unattended GDW_Send_Receive command to work with a mailbox with auto-send enabled, the next command in the unattended session might start processing before inbound processing for the comm session completes.

If you set up an unattended GDW_Send_Receive command to work with a mailbox that does not have auto-send enabled, Communications Manager ensures all messages received from the communications process are processed before returning to the calling process. In this case, you can set up a session with a GDW_Send_Receive followed by an export.

Note

If you specify **<all>** in command parameter 1 (Communications Profile), Sterling Gentran:Director initiates send/receive sessions for each communications profile.

Using with File Copy

If you specify a communications profile in command parameter 1 that is a CopyFile type profile, or if you specify **<all>** in command parameter 1 and EDI data exists in Out Documents or Send Queue for a partner that has a CopyFile profile, Sterling Gentran:Director initiates only the send process for that file.

When the send process is executed for a CopyFile profile, the EDI data in Out Documents or Send Queue for that partner is copied to the specified file. For all other types of mailboxes, Sterling Gentran:Director sends the data for those partners from Out Documents or Send Queue to the specified connection and then receives any data available from that connection.

Note

Command parameter 1 (Communications Profile) and command parameter 2 (Select Partner) are mutually exclusive; however, you must use one of the two parameters.

Command Parameters

The following table lists the GDW_Send_Receive command parameters.

Number	Command Parameter	What to Type
**1	Communications Profile	Type the name of the communications profile for which you want to establish a send/receive communications session. Or, type **<all>** to initiate send/receive communications sessions with all communications profiles (which are not FileCopy-type profiles). ■ **"Communications Profile"** ■ **“<all>”**
**2	Select Partner	Type a partner profile to send and receive documents for that partner only. **"Partner profile"**
3	Select Document Type	Type a document type, transaction set or message, to send and receive documents of that type only. **"Document type"**
4		""
5		""
6		""

GDW_Translator_Rpt

Introduction

Use the GDW_Translator_Rpt command to create an interchange or document translator report in a specified file, according to a document key and document direction.

Note

If you do not specify a complete path, the Sterling Gentran:Director installation folder will be used for the translator report filename. If the specified file already exists, the program appends the new translator report data to the end of the existing file.

Using Command Parameters 2 and 3

To determine what values to use for Command Parameter 2 (Document Key) and Command Parameter 3 (Interchange or Document Translation Report Indicator), run the GDW_Document_Rpt command. The GDW_Document_Rpt command creates a file that contains formatted data about specified documents in the system. This data includes the document key, the interchange translation report filename (if one exists), and the document translation report filename (if one exists). See the *GDW_Document_Rpt* on page B - 11.

Command Parameters

The following table lists the GDW_Translator_Rpt command parameters.

Number	Command Parameter	What to Type
*1	Translator Report File Name	Type the name of the translator report file. **"Translator report file name"**
*2	Document Key	Type the document key. **"Document key"**
*3	Interchange or Document Translator Report Indicator	Specify the type of translator report desired. For inbound documents, the valid values are: ■ **"I"** (interchange translator report) ■ **"D"** (document translator report) For outbound documents, the valid values are: ■ **"D"** (document translator report)
4		""
5		""
6		""

Terminate_Script

Introduction

Use the Terminate_Script command to stop processing a session. This command stops execution if unexpected or undesired events occur during processing. This command might be used with a condition to determine whether the script should terminate.

You can also execute a program before termination and specify any parameters that are necessary for the program to execute. For example, the program could perform housekeeping, error handling, or notification procedures.

Command Parameters

The following table lists the Terminate_Script command parameters.

Number	Command Parameter	What to Type
1	Program to Execute	Type the name of the program you want to run. If you need to specify any parameters that are necessary for program execution, type a space after the program name and then type the parameters. **"Program name"**
2	Working Directory	Specify the name of the working directory used to execute the program. The working directory is not mandatory. However, if you do not specify a working directory, the current directory is the default. This can cause unpredictable results in programs that use information in specific directory paths. **"Working directory name"**
3		""
4		""
5		""
6		""

A P P E N D I X

C

Error Messages

Contents

Understanding Error Messages

Introduction

The Error Messages appendix lists Sterling Gentran:Director error messages and how to resolve them.

Sterling Gentran:Director error messages are noted on:

- Document Translator Report
- Interchange Translator Report
- Audit Log
- Document Tracking
- Interchange Tracking

Sterling Gentran:Director generates the following types of error messages:

- **Translator Report Error Messages** occur if the error appears on a Document or Interchange Translator Report.
- **Audit and Tracking Error Messages** occur if the error appears on the Audit Log, Document Tracking, or Interchange Tracking.

Note

Sterling Gentran:Director also generates informational messages. Informational messages are related to a specific program and are intended to be self-explanatory. They are not discussed in this Guide.

Understanding Translator Report Error Messages

Introduction

The Document and Interchange Translator Report error messages are displayed on the Document Translator Report and the Interchange Translator Report under the Message Number and Message columns.

Message Number Column

The Message Number column on the translator report contains a prefix (INF, EDI, or POS), a dash ("-"), and a four digit number that identifies the error.

The prefixes are described in the following table.

Prefix	Description
INF	Used only with information messages, which are not defined in this chapter because they are intended to be self-explanatory.
EDI	Used with all the messages listed below that are not informational. It is used if the error is related to an EDI file.
POS	Used with all the messages listed below that are not informational. It is used if the error is related to a positional flat file.

Message Column

The Message column on the translator report contains the error message text.

Error Messages

The translator report error messages are listed below by the last three digits of the message number and the error message text.

100 Mandatory Element Missing

Description: An element that the translation object designated as Mandatory was not created in an outbound document or was not received in an inbound document.

User Action: Use the Segment/Record ID, Sequence, and Element fields on the Translator Report to determine which mandatory element in the document is missing.

Outbound
If the document was entered using the Document Editor, open the document and complete the missing field. If you imported the document, delete the document and import it after you correct the import file. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound
Contact your trading partner.

110 Incorrect Element Format

Description: An element was entered or received with an incorrect format. Some examples of incorrect format are a numeric field that contains non-numeric characters, a field that exceeds the maximum length or is less than the minimum length, and invalid dates.

User Action: Use the Segment/Record ID, Sequence, and Element fields on the Translator Report to determine which element in the document is invalid.

Outbound
Correct the data source.

Inbound
Contact your trading partner.

120 Too Many Components in Composite

Description: A composite element in a document you received has too many component elements (sub-elements.

User Action: Use the Segment/Record ID, Sequence, and Element fields on the Translator Report to determine which element in the document is invalid.

Outbound

If the document was entered using the Document Editor, open the document and correct the invalid field. If you imported the document, delete the document, correct the data, and then import the document again. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound

Contact your trading partner.

130 Invalid Conditional Relationship

Description: A conditional relationship in the document is not valid.

User Action: Use the translator report to determine where the error occurred.

Outbound

If the document was entered using the Document Editor, open the document and correct the conditional relationship. If you imported the document, delete the document and import it again. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound

Contact your trading partner.

140 Implicit Rule Failure

Description: A validation rule set up against this field failed in the translator. Typically, this occurs when the Exclusive flag is set for a standard rule and the field value does not match the data table.

User Action: Check the data value you received against the valid data allowed for the field.

200 Mandatory Component Missing

Description: A component (sub-element) of a composite element that the translation object designated as Mandatory was not created in an outbound document or was not received in an inbound document.

User Action: Use the Segment/Record ID, Sequence, Element, and Composite fields on the Translator Report to determine which mandatory component in the document is missing.

Outbound

If the document was entered using the Document Editor, open the document and complete the missing field. If you imported the document, delete the document and import it again. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound

Contact your trading partner.

210 Incorrect Component Format

Description: A component (sub-element) of a composite element that the translation object designated as Mandatory was entered or received with an incorrect format. Some examples of incorrect format are a numeric field that contains non-numeric characters and a field that exceeds the maximum length or is less than the minimum length.

User Action: Use the Segment/Record ID, Sequence, Element, and Composite fields on the Translator Report to determine which element in the document is invalid.

Outbound

If the document was entered using the Document Editor, open the document and correct the invalid field. If you imported the document, delete the document, correct the data, and import the document again. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound

Contact your trading partner.

220 Component Delimiter

Description: A component delimiter was encountered instead of the expected element.

User Action: Contact your trading partner or the translation object creator.

300 Mandatory Segment

Description: A segment that the translation object designated as Mandatory was not created in an outbound document or was not received in an inbound document. This error can be generated in a variety of circumstances. The most common is that the input data sequence does not correspond to the data sequence defined in the translation object used to translate the data. If this is the case, the information provided with the message may indicate a segment in the data.

User Action: Use the Segment/Record ID field on the Translator Report to determine which mandatory segment in the document is missing.

Outbound

If the document was entered using the Document Editor, open the document and type data into the fields that are necessary to generate the segment. If you imported the document, delete the document, add the data that is necessary to generate the segment, and import the document again. See "Using Documents" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Inbound

Contact your trading partner.

310 Invalid Loop Start/End Structure

Description: An invalid Loop Start/Loop End was found in an inbound document.

User Action: Use the information in the Translator Report to determine which LS/LE pairing is invalid. Contact your trading partner.

315 Invalid Segment or Record Structure

Description: A segment in an EDI file or a record in a positional flat file in an inbound file did not match what the translation object expected.

User Action: View the information in the Translator Report and the raw EDI interchange to determine which segment or record is invalid. Contact your trading partner. See "Viewing

Interchanges" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

405 Unknown Partner

Description: An interchange was received but the system cannot determine which partner sent it.

User Action: View the information in the Translator Report and the raw EDI interchange to determine which partner sent you the interchange. If the partner is not listed on your system, create the partner and a relationship and attach the interchange to that partner. If the partner exists on your system, attach the interchange to the partner and then determine why the system did not identify the partner. See "Using Interchanges" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

410 Header/Trailer Control Numbers do not match

Description: The control numbers on the header and trailer do not match, as specified by the standard.

User Action: Check the raw EDI view to determine which control numbers are in the EDI file, then contact your trading partner. See "Viewing a Document" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

415 Control Total Incorrect

Description: The EDI control total in the Segment Identified field of the Translator Report does not equal the value that was calculated by the Compliance Checker.

User Action: Check the raw EDI view to determine what the control total should be, then contact your trading partner. See "Viewing a Document" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

420 Unknown Relationship

Description: A document was received but the Partner Profile for that partner does not include a corresponding inbound relationship.

User Action: View the Translator Report and the raw EDI interchange to determine which relationship the document requires and create that inbound relationship for the partner. See "Viewing Interchanges" and "Creating a New Inbound Relationship" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Understanding Audit and Tracking Error Messages

Introduction

The Audit and Tracking error messages display on the Audit Log, Document Tracking, and Interchange Tracking.

Reference

See "Viewing and Printing Document Tracking Information" and "Viewing and Printing the Audit Log Information" in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Error Messages

The audit and tracking error messages are listed below by the four-digit message number and the error message text. Some errors include variable parameters. These parameters are indicated in brackets, for example, [filename].

1306 Session Failure - No Relationship - Standard [standard] Version [version] Trans [transaction set]

Description: The translation session failed because the system could not find a partner relationship for the document.

User Action: Create the appropriate partner relationship for that partner and translate the document again.

Translator: Document [document name] not found

Description:

User Action:

Translator: Duplicate Group ID [group ID] in Documents

Description:

User Action:

Translator: Group not found for partner: [partner ID], direction: [inbound/outbound], control: [group control ID]

Description:

User Action: Rebuild or reselect the Group.

Translator: Interchange Not Found for partner: [partner ID], direction: [inbound/outbound], relationship: partner relationship], control: [interchange control number]

Description:

User Action:

Translator: Invalid Document Count. Count was [internal count]

Description:

User Action:

1707 Translator: Invalid Translation Object File [filename]

Description: The indicated translation object file does not exist or the translation object entry is missing from the translation object database.

User Action: Obtain a valid translation object from IBM and register the translation object with the system. See *Registering (Installing) a New Translation Object* in the *IBM® Sterling Gentran:Director® User Guide* for more information.

Translator: No Document Data Found for [document key] in file [filename]

Description:

User Action:

1703 Translator: Relationship not found for partner: [partner ID], direction: [inbound/outbound], agency: [standard agency], version: [version]

Description: The translation session failed because the system could not find a partner relationship for the document.

User Action: Create the appropriate partner relationship for that partner and translate the document again. See *Creating a New Partner Definition* in the *IBM® Sterling Gentran:Director® User Guide* for more information.

1708 Translator: Setup Failed

Description: The translation object file is corrupt or invalid.

User Action: Obtain a valid translation object from IBM and register the translation object with the system. See *Registering (Installing) a New Translation Object* in the *IBM® Sterling Gentran:Director® User Guide* for more information.

1704 Translator: Translation Object [filename] Not Found

Description: The system could not find the translation object file required to perform the necessary translation.

User Action: Register the specified translation object file again. See *Registering (Installing) a New Translation Object* in the *IBM® Sterling Gentran:Director® User Guide* for more information.

1535 Unattended Processing - Import Failed for [import filename] - No Import file Spec in System Configuration

Description: The import file specified for GDW_Import did not have a corresponding translation object named in System Configuration.

User Action: Verify the correct import file was specified and the System Configuration Imports tab has a corresponding import translation object named.

1536 Unattended Processing - Import File [import filename] Not Found

Description: The user specified the name of a nonexistent file for the GDW_Import command.

User Action: Verify the correct import directory or file name is specified and that it exists as named. If the file to import is specified without a directory, verify the file exists in the Imports directory named in System Configuration.

1537 Unattended Processing - Create Program [program name] with parms [program parameters] failed with RC= [program return code] for Command [command name]

Description: If the command that is executed is Exec_Program or End_Script, examine the following list of return codes and take the appropriate action:

- 0 System was out of memory, executable file was corrupt, or reallocations were invalid
- 2 File was not found
- 3 Path was not found
- 5 Attempt was made to dynamically link to a task, or there was a sharing or network-protection error
- 6 Library required separate data segments for each task
- 8 There was insufficient memory to start the application
- 10 Windows version was incorrect
- 11 Executable file was invalid -- either it was not a Windows application or there was an error in the .EXE image

12 Application was designed for a different operating system
13 Application was designed for MS-DOS 4.0
14 Type of executable file was unknown
15 Attempt was made to load a read-mode application (developed for an earlier version of Windows)
16 Attempt was made to load a second instance of an executable file containing multiple data segments that were not marked read-only
19 Attempt was made to load a compressed executable file -- the file must be decompressed before it can be loaded
20 Dynamic-link library (DLL) file was invalid -- one of the DLLs required to run this application was corrupt
21 Application required Microsoft Windows 32-bit extensions
31 No association for the specified file type or not association for the specified action within the file type

User Action: If a different command is executed, copy the audit message and contact IBM Customer Support.

1538 Unattended Processing - No data available for Command [command name]; Ptr: [partner]. Doc Type: [document type]

Description: No data exists to export or print, or no data that matches the partner and document parameters specified exists to export or print.

User Action: Verify the partner and document parameters and compare to the documents in In Documents.

1542 Unattended Processing - Command [command name] not processed: From File [filename] does not exist

Description: You specified a From-File for File_Copy or File_Rename commands that does not exist.

User Action: Correct the From File Command parameter.

1543 Unattended Processing - Command [command name] not processed: error opening File [filename]

Description: An error occurred while trying to open the From File or the To File on a File_Copy or File_Rename command.

User Action: Copy the audit message and contact IBM Customer Support.

1544 Unattended Processing - Command [command name] not processed: lseek error on To File [filename]

Description: While processing a File_Copy command to append a From File to a To File, the program encountered an error trying to position the file pointer to the end of the To File to commence appending data.

User Action: Copy the audit message and contact IBM Customer Support.

1545 Unattended Processing - Command [command name] not processed: File [filename] cannot be renamed to [filename] (file already exists)

Description: The user specified that a File_Rename command rename the From File to a To File that already exists. The File_Rename command only renames a file to a file that does not currently exist.

User Action: Delete the To File or specify a new To File name.

1546 Unattended Processing - Command [command name] not processed: error deleting file [filename]

Description: The program could not successfully delete the file specified as a parameter for the File_Delete command or could not successfully delete the From file for the File_Rename command.

User Action: Copy the audit message and contact IBM Customer Support.

1547 Unattended Processing - Command [command name] for profile [profile name] not processed: no profile exists to receive

Description: For the GDW_Receive command, an invalid communication profile was specified.

User Action: Specify a valid communication profile in Parameter 1 or <all>.

1548 Unattended Processing - Command [command name] for profile [profile name] not started: bad return from SSCOMAPI

Description: While executing a communication receive process, Unattended Processing received a bad return code from its call to SSComAPI.

User Action: Copy the audit message and contact IBM Customer Support.

1549 Unattended Processing - SSComAPI returned zero sessions for Command [command name]

Description: While processing the GDW_Send_Receive command, Unattended Processing determined that there was an error in communication processing or there are no sessions to send or receive.

User Action: Check for messages issued from the communications process between Unattended Processing - Started Command GDW_Send_Receive and Unattended Processing - Completed Command GDW_Send_Receive. If communication error messages exist, copy the audit messages and call IBM Customer Support. If there are no communication messages, the command was processed successfully, and the message is informational only.

1550 Unattended Processing - Program Ending: Session File [filename] not found

Description: Unattended Processing was started with the name of a session file that does not exist.

User Action: Use Unattended Setup to verify that the specified session file exists.

1551 Unattended Processing - Program Ending: No Session File passed on program start

Description: Unattended Processing was started without being passed the name of a session file to process.

User Action: Use Unattended Setup to correctly specify a session file and a calendar to run in unattended mode. See *Creating a New Unattended Session* and *Creating a New Calendar* in the *IBM® Sterling Gentran:Director® User Guide* for more information.

1562 Unattended Setup - Could Not Start

Description: You tried to start the unattended scheduler when the unattended scheduler, processor, or setup was already executing.

User Action: Verify which program is executing and terminate it. Then start the unattended scheduler.

Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing

IBM Corporation

North Castle Drive

Armonk, NY 10504-1785

U.S.A.

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual

Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing

Legal and Intellectual Property Law

IBM Japan Ltd.

1623-14, Shimotsuruma, Yamato-shi

Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:
INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation

J46A/G4

555 Bailey Avenue

San Jose, CA__95141-1003

U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information is for planning purposes only. The information herein is subject to change before the products described become available. This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are ficticious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Connect Control Center®, Connect:Direct®, Connect:Enterprise, Gentran®, Gentran:Basic®, Gentran:Control®, Gentran:Director®, Gentran:Plus®, Gentran:Realtime®, Gentran:Server®, Gentran:Viewpoint®, Sterling Commerce™, Sterling Information Broker®, and Sterling Integrator® are trademarks or registered trademarks of Sterling Commerce, Inc., an IBM Company.

Other company, product, and service names may be trademarks or service marks of others.

Index