

# Gentran Integration Suite™

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## Trading Partner Conversion Guide

Version 4.3

**Sterling Commerce**  
An IBM Company

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## About Converting Trading Partner Data

Gentran Integration Suite provides time- and effort-saving capabilities to easily transfer trading partner data from the following Gentran applications into Gentran Integration Suite:

- ◆ Gentran:Server<sup>®</sup> for UNIX<sup>™</sup>
- ◆ Gentran:Server for Windows<sup>™</sup>
- ◆ Gentran:Server for iSeries<sup>™</sup>
- ◆ Gentran:Basic<sup>®</sup> for zSeries<sup>™</sup>

Using provided conversion utilities, you can convert trading partner data into an XML format for import into Gentran Integration Suite. Gentran Integration Suite also enables you to create XML documents for exporting trading partner information out of Gentran Integration Suite. The ability to import and export trading partner data enables you to:

- ◆ Migrate trading partner data, such as envelopes and codes, from one application system to another, or from a test system to a production system.
- ◆ Bypass much of the manual setup of trading profiles required during migration activities.
- ◆ More easily troubleshoot difficulties, because you can export trading partner data and send the .xml file to Sterling Commerce Customer Support.
- ◆ Back up your trading partner data.

Any time you import data into Gentran Integration Suite, Gentran Integration Suite saves a copy of the pre-existing related data that was saved in Gentran Integration Suite prior to your import operation, so that you can save a backup file.

## Supported Applications

The following table lists the applications and versions that the Gentran Integration Suite conversion utilities support for migration of trading partner data:

<b>Application</b>	<b>Version(s) supported for trading partner conversion</b>
Gentran:Server for UNIX	5.3 and 6.0
Gentran:Server for Windows	3.2 or later
Gentran:Server for iSeries	3.0, 3.1, and 3.2 (includes Gentran:Server for AS/400 3.0 and 3.1, Gentran:Server iSeries 3.2, and Gentran:Server for iSeries 3.3)
Gentran:Basic for zSeries	6.0 or later (includes Gentran:Basic for MVS 6.0, Gentran:Basic for OS/390 6.1, Gentran:Basic zSeries 6.2, and Gentran:Basic for zSeries 6.3 and 6.4)

## Data Converted

In general, trading partner conversion generates inbound and outbound envelope data for your trading partner profiles. The following table indicates the trading partner data converted, depending on your conversion type:

Conversion type	Data generated
<ul style="list-style-type: none"> <li>◆ From a standard format to application format</li> <li>◆ From a standard format to XML</li> </ul>	Inbound envelope and an outbound acknowledgment envelope, if configured
<ul style="list-style-type: none"> <li>◆ From an application format to a standard format</li> <li>◆ From XML to a standard format</li> </ul>	Outbound envelope and an outbound acknowledgment envelope, if configured
From one standard format to another	Inbound envelope, an outbound envelope, and an outbound acknowledgment envelope, if configured

The XML file created includes the following envelopes, according to the standard used:

- ◆ EDIFACT (Inbound and Outbound) and Outbound acknowledgment
  - ◆ UNH/UNT Syntax 4
  - ◆ UNG/UNE Syntax 4
  - ◆ UNB/UNZ Syntax 4
- ◆ ASC X12 (Inbound and Outbound) and Outbound acknowledgment
  - ◆ ST/SE
  - ◆ GS/GE
  - ◆ ISA/IEA
- ◆ Japanese Center for Informatization of Industry (CII)
- ◆ Tradacoms (zSeries conversion only)
  - ◆ STX/END

## Conversion Procedures

For detailed conversion procedures, see the topic appropriate to your needs:

- ◆ *Converting Gentran:Server for UNIX Trading Partner Data* on page 6
- ◆ *Converting Gentran:Server for Windows Trading Partner Data* on page 10
- ◆ *Converting Gentran:Server for iSeries Trading Partner Data* on page 15
- ◆ *Converting Gentran:Basic for zSeries Trading Partner Data* on page 18

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## Converting Gentran:Server for UNIX Trading Partner Data

The Gentran:Server for UNIX conversion utility converts the following trading partner data objects:

- ◆ Document envelopes
- ◆ Control numbers
- ◆ Code lists (optional)

Use the appropriate conversion utility to convert Gentran:Server for UNIX trading partner data into a format that Gentran Integration Suite can use. The utility you use depends on your installation of Gentran Integration Suite, as follows:

- ◆ If Gentran Integration Suite is installed in a UNIX or LINUX environment, use the **convert.sh** utility.
- ◆ If Gentran Integration Suite is installed in a Windows environment, use the **convert.cmd** utility.

**Caution:** The conversion utilities are product specific. Do not use `winconvert.cmd` or `winconvert.sh` to convert Gentran:Server for UNIX trading partner data.

## Prerequisites to Converting UNIX Trading Partner Data

Before you convert trading partner data, complete the following steps:

1. Prepare document envelope for overdue time limit on outbound data requiring acknowledgment.

To enable the `convert.sh` utility to convert the overdue time limit on outbound trading profile data that requires an acknowledgment, you must create the appropriate document envelope. When creating the document envelope, request an acknowledgement and specify the amount of time, in hours, within which you must receive the acknowledgment.

2. Unload files to convert.

From Gentran:Server for UNIX, unload the organization, trading partner, and code data that you plan to convert, and save the files that make up the data (`org.unl`, `tp.unl`, and `generic.unl` files). For more information, see the Gentran:Server for UNIX documentation.

**Caution:** To ensure that you convert the most current data, perform this unload function immediately before running the `convert.sh` utility.

3. Copy the files into the conversion directory.

Copy the `org.unl`, `tp.unl`, and `generic.unl` files to the following directory:

`install_dir/tp_import/gentran/source`

4. Edit the conversion properties file.

To enable the `convert.sh` utility to convert a `generic.unl` file, you must edit the `converter.properties` file by completing the following tasks:

- a. In the `install_dir/tp_import/gentran` directory, open the `converter.properties` file using a text editor.
- b. Change the quantity in the `sterlingcommerce.si.gentran.quantity=2` property from **2** to **3** so that the property looks like this:

`sterlingcommerce.si.gentran.quantity=3`

5. Are you converting EDIFACT trading partner data?
  - ◆ If No, skip this step.
  - ◆ If Yes, to enable the `convert.sh` utility to convert the EDIFACT decimal separator character, in Gentran Integration Suite create an EDIFACT outbound Syntax 4 UNB/UNZ envelope:
    - Specify the envelope properties to use non-standard delimiters
    - For the decimal separator, indicate the character to use to identify different CII multi details.

You can now convert the trading partner data.

## Converting UNIX Trading Partner Data

**Note:** The conversion utility uses the Gentran:Server for UNIX trading partner code to create the document envelope name. Because Gentran Integration Suite does not allow certain characters to be used in the name, the conversion utility replaces any unsupported character that may be in your trading partner code with an underscore. Unsupported characters are: ! @ # % ^ \* ( ) + ? , < > { } [ ] | ; “ ‘

For example, a UNIX trading partner code of `Y@#% ^&*()-G` converts into a document envelope name of `Y_#$%^&*()-G`.

To convert trading partner data:

1. Type a command similar to the following:  
*install\_dir/tp\_import/convert.sh* or *install\_dir/tp\_import/convert.cmd*, as appropriate.
2. Use the following command line options to define how you want to convert trading partner data (org.unl, tp.unl, and generic.unl files) to an .xml file. You can specify these command line options in any order:

Option	Description	Example
<code>--help</code>	Displays the Usage menu that describes the available command line options. Optional.	<code>convert.sh --help</code>
<code>-properties</code>	Filename path of the converter properties file. This file provides key parameter values to the <code>convert.sh</code> utility. Optional.  <b>Note:</b> When not specified, the converter properties file defaults to the directory <code>install_dir/tp_import/gentran/converter.properties</code> .	<code>convert.sh -properties</code> <code>install_dir/tp_import/gentran/converter.properties</code>

Option	Description	Example
-output	<p>Filename path of the .xml file created by the utility. This .xml file contains the output of all of the converted trading partner data. Optional. If you do not specify a name, the default name is <b><i>install_dir/tp_import/gentran/result/final.xml</i></b>.</p> <p>Consider specifying a name for the .xml file that is meaningful to you. To specify a name, type -output and the desired file name—for example, to specify <i>partner</i> as the name, type the following command:</p> <p>-output partner.xml</p>	convert.sh -output partner.xml
-report	<p>Filename path of the following report files created by the utility:</p> <ul style="list-style-type: none"> <li>◆ convert.rpt – Details about the conversion process.</li> <li>◆ ConversionCtrlNumReport.xml – Details about data converted to control numbers.</li> <li>◆ ConversionReport.xml – Details about data converted to envelopes.</li> <li>◆ SynonymReport.xml- Details about data converted to code lists.</li> </ul> <p>Optional.</p> <p>Consider specifying a name for the report files. To specify a name, type -report and the new file name—for example, to specify <i>partner</i> as the name of convert.rpt, type the following command:</p> <p>-report partner.rpt</p>	convert.sh -report partner.rpt

3. Use a text editor to review the reports created by the utility, to determine if any errors or warnings occurred during the conversion.

You can now import the converted data into Gentran Integration Suite.

## Process for Importing the Converted UNIX Data

After you have converted your trading partner data, you can import the data into Gentran Integration Suite. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Gentran Integration Suite.

**Note:** You may encounter the following error during the import of the .xml file into Gentran Integration Suite:

```
Code List :: [TABLE NAME **BIG**][ ] :: create :: FAILED :: [IBM][CLI Driver][DB2/SUN]
SQL0964C The transaction log for the database is full. SQLSTATE=57011
```

This error is related to conversion of the synonym tables. If this error occurs, increase transaction log size in the database, then increase the JVM heapsize to 2048. Stop Gentran Integration Suite, restart, and then retry the import.



2. Review the import report to determine whether any errors occurred in the import process. Any object having an error associated with it (see the STATUS column) is not successfully imported. Therefore, you must correct the error and import the object again.
3. Review imported document envelopes, control numbers, and code lists and, if necessary, modify them as needed.

You can now create complete trading partner profiles and perform related map conversion tasks. Use the Map Editor Gentrans:Server for UNIX map conversion utility to convert the maps.

For more information about maps related to your converted trading partner data, see *Map-Related Considerations When Converting Trading Partner Data* on page 24.

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## Converting Gentran:Server for Windows Trading Partner Data

The Gentran:Server for Windows conversion utility converts the following trading partner data objects:

- ◆ Document envelopes
- ◆ Control numbers
- ◆ Code lists

Use the appropriate conversion utility to convert your Gentran:Server for Windows trading partner data into the format that Gentran Integration Suite can use. The utility you use depends on your installation of Gentran Integration Suite, as follows:

- ◆ If Gentran Integration Suite is installed in an AIX/HP/Solaris (UNIX) platform environment, execute the **winconvert.sh** command from the *install\_dir/tp\_import* directory on the machine where Gentran Integration Suite is installed.
- ◆ If Gentran Integration Suite is installed in a Windows environment, execute the **winconvert.cmd** command at the prompt in the *install\_dir\tp\_import* directory on the PC.

The trading partner conversion process converts cross-reference, location, and lookup table data. After conversion, this data is mapped differently in Gentran Integration Suite. For information, see *Trading Partner Cross-Reference, Location, and Lookup Table Conversion from Gentran:Server Windows* on page 13.

**Caution:** The conversion utilities are product specific. Do not use the Gentran:Server for UNIX utilities `convert.cmd` or `convert.sh` to convert Gentran:Server for Windows trading partner data.

## Prerequisites to Converting Windows Trading Partner Data

Before you convert the trading partner data, complete the following steps:

1. Export the data to convert.

From Gentran:Server for Windows, export the trading partner profile data that you plan to convert and save the .par files that make up the data. For more information, see the Gentran:Server for Windows documentation.

**Caution:** To ensure that you convert the most current information, perform the export function immediately before running the `winconvert.cmd` or `winconvert.sh` utility.

2. Group the .par files according to the EDI code used by the trading partners.

Copy each set of .par files that share the same EDI code to a separate directory, so that each separate directory is for a different EDI code.

3. Are you implementing CII?

- ◆ If Yes, prepare to implement CII by:
  - Creating a separate directory for trading partner data that includes CII information.
  - In Gentran Integration Suite, setting the operation mode for CII inbound envelope properties to either test or production.
- ◆ If No, skip this step.

You can now convert the trading partner data.

## Converting Windows Trading Partner Data

To convert trading partner data:

1. On the host computer where Gentran Integration Suite is installed, type a command similar to the following:  
`cd install_dir\tp_import`
2. To display the Usage menu, type **winconvert.cmd** or **winconvert.sh**, as appropriate.
3. Use the following command line options to define how you want to convert trading partner data (.par files) to an .xml file. You can specify these command line options in any order:

Option	Description	Example
-dir	<p>Directory where the .par files (trading partner data) are saved. Enables the script to convert all the .par files in this directory into an .xml file. Required when converting a batch of .par files and not using the -singleparfile option (see <i>-singleparfile</i> on page 12). Directory can contain only like partners (for example, all XML).</p> <p>When converting a batch of .par files, each file must maintain the same EDI code (you can repeat the conversion procedure for each directory of .par files having a different EDI code)</p>	<code>winconvert.cmd -dir &lt;.par files directory path&gt; -sysedicode ABC</code> where ABC is the system EDI code.
-sysedicode	<p>Gentran:Server for Windows EDI code for the partner profile. This code will be used as the ReceiverID for the inbound envelope definitions (ISA, GS and ST). Required.</p> <p>If you do not supply the sysedicode, the utility continues executing. For example, if you run <code>winconvert.cmd -singleparfile PETZONE.PAR</code>, the utility reports that sysedicode is missing, prints the usage menu, and continues to create the .xml and report file.</p> <p><b>Note:</b> The conversion defaults the receiver ID value. If you do not want to use the default Receiver ID value, you must edit the envelopes in Gentran Integration Suite after conversion.</p>	<code>winconvert.cmd -dir &lt;.par files directory path&gt; -sysedicode ABC</code> where ABC is the system EDI code.
-output	<p>Filename path of the .xml file created by the utility. This .xml file contains the output of all of the converted trading partner data. Optional.</p> <p>Consider specifying a meaningful name for the .xml file. To specify a name, type -output and the new file name—for example, to specify <i>partner</i> as the name, type the following command:</p> <p><code>-output partner.xml</code></p> <p>The default name is <i>final.xml</i>.</p>	<code>winconvert.cmd -output partner.xml -dir &lt;.par files directory path&gt; -sysedicode ABC</code> where ABC is the system EDI code.

Option	Description	Example
-singleparfile	Name of a single .par file. Enables the script to convert the .par file to XML. Required if not using -dir option.	winconvert.cmd -singleparfile petzone.par -sysedicode ABC where ABC is the system EDI code.
-report	Filename path of the report file created by the utility. This report contains information about the conversion. Review this report using a text editor to determine if any errors or warnings occurred during the conversion. Optional.  Consider specifying a meaningful name for the report file. To specify a name, type -report and the new file name—for example, to specify <i>partner</i> as the name, type the following command: -report partner.rpt The default name is <b>winconversion.rpt</b> .	winconvert.cmd -report partner.rpt -dir <.par files directory path> -sysedicode ABC where ABC is the system EDI code.
-encoding	Character encoding type. Enables the script to convert.par files to the character encoding type specified.  The default is the UTF-8 character encoding type. Optional.	winconvert.cmd -singleparfile CII.par -encoding SJIS -sysedicode ABC where <i>CII.par</i> is the partner file name and ABC is the system EDI code.

4. Are you a CII user using the winconvert.cmd utility?
  - ◆ If Yes, you must add the CII Syntax ID to the .xml result file after you convert a Gentran:Server for Windows trading profile file, and before you import the file into Gentran Integration Suite. The CII Syntax ID is required in Gentran Integration Suite.
  - ◆ If No, proceed to step 5.
5. Verify that each value in the XML data is correct.

You can now import the converted data into Gentran Integration Suite.

## Process for Importing the Converted Windows Data

After you have converted your trading partner data, you can import the data into Gentran Integration Suite. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Gentran Integration Suite.
2. Review the import report to determine whether any errors occurred in the import process. Any object having an error associated with it (see the STATUS column) is not successfully imported. Therefore, you must correct the error and import the object again.
3. Review imported document envelopes, control numbers, and code lists and, if necessary, modify them as needed.

If you converted using the winconvert.sh utility, all control number values (both local and global) from the outbound partner relationships are lost and reset to a value of “1.” You must now open the outbound envelope definition in Gentran Integration Suite and set the control number to the appropriate value.

4. Change related map details:

- ◆ Change Application Integration map types to Sterling Integrator (the map function must be set to **Sterling Integrator**).
- ◆ Remove all standard or extended rules specific to Gentran:Server for Windows.

For more information about maps related to your converted trading partner data, see *Map-Related Considerations When Converting Trading Partner Data* on page 24.

You can now create complete trading partner profiles.

## Trading Partner Cross-Reference, Location, and Lookup Table Conversion from Gentran:Server Windows

To enable successful conversion, trading partner cross-reference, location, and lookup table data is mapped differently in Gentran Integration Suite than in Gentran:Server for Windows. The following table shows the new data locations for your reference.

Gentran Integration Suite Table Mapping	Gentran:Server for Windows Location Table Mapping	Gentran:Server for Windows Lookup Table Mapping	Gentran:Server for Windows Cross-Reference Table Mapping
LIST_NAME	NAME	TABLE NAME	TABLE NAME
SENDER_ID	TPEDI_CODE		
RECEIVER_ID	<Internal System User EDI code>	<Internal System User EDI code>	<Internal System User EDI code>
LIST_VERSION			
SENDER_ITEM	PRIMARY REFERENCE CODE	LOOKUP ITEM	PARTNER ITEM
RECEIVER_ITEM	SECONDARY REFERENCE CODE		MY ITEM
TEXT1	ADDRESS1	TEXT1	TEXT1
TEXT2	ADDRESS2	TEXT2	TEXT2
TEXT3	ADDRESS3	TEXT3	TEXT3
TEXT4	CITY	TEXT4	TEXT4
DESCRIPTION	CONTACT NAME	DESCRIPTION	DESCRIPTION
TEXT5	STATE		
TEXT6	ZIP		
TEXT7	COUNTRY		
TEXT8	TELEPHONE		

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<b>Gentran Integration Suite Table Mapping</b>	<b>Gentran:Server for Windows Location Table Mapping</b>	<b>Gentran:Server for Windows Lookup Table Mapping</b>	<b>Gentran:Server for Windows Cross-Reference Table Mapping</b>
TEXT9	FAX		

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## Converting Gentran:Server for iSeries Trading Partner Data

The Gentran:Server for iSeries conversion utility converts the following trading partner data objects:

- ◆ Document Envelopes
- ◆ Control numbers

Use the *isconvert.sh* utility to convert your Gentran:Server iSeries trading partner data, including cross-references, to a format that Gentran Integration Suite can use.

**Note:** The trading partner data you plan to convert must have trading partner codes that conform to the format specified in the Gentran:Server iSeries documentation.

## Prerequisites to Converting iSeries Trading Partner Data

Before converting trading partner data, complete the following steps:

1. Export the data to convert.

From Gentran:Server iSeries, export records containing trading partner information, including cross-references, that you plan to convert, and save the files. For more information, see the Gentran:Server iSeries documentation.

**Caution:** To convert the most current information, perform the export function immediately before running the *isconvert.sh* utility.

2. Rename exported files, using the following file extensions:

- ◆ Partner profiles—for example, filename.par
- ◆ Cross-references—for example, filename.crf

3. Copy renamed files to conversion directory.

Copy the files to *install\_dir/tp\_import/gentran/source*.

You can now convert the trading partner data.

## Converting iSeries Trading Partner Data

To convert trading partner data:

1. Type a command similar to the following (without the brackets):

```
install_dir/tp_import/isconvert.sh -p filename.par -c filename.crf -s sysEDIcode [-q qual] [-x filename.xml] [-r filename.rpt] [[-t tpCode [-q qual]] ... ]
```

- Use the following command line options to define how you want to convert the trading partner data, including cross-references and inbound and outbound control number records (.par and.crf files), to an .xml file:

**Note:** Filename paths can be absolute or relative. You can specify these command line options in any order, except the -t and -q commands, which must be specified together in that order.

Option	Description	Example
-p <i>filename.par</i>	Filename path of the trading partner file. It must have the .par extension. Required.	-p partner.par
-c <i>filename.crf</i>	Filename path of the trading partner file. It must have the .crf extension. Required.	-c partner.crf
-s <i>sysEDICode</i>	Gentran:Server for iSeries system EDI code. This code will be used as the ReceiverID for the inbound envelope definitions for inbound ISA, UNB, UNG, and UNH envelopes. Required.  The conversion defaults the Receiver ID value. If you do not want to use the default Receiver ID value, you must edit the envelopes in Gentran Integration Suite after conversion.	-s <i>yourEDICode</i>
-q <i>qual</i>	Gentran:Server for iSeries system EDI code qualifier. Optional	-q <i>yourEDICodeQualifier</i>
-x <i>filename.xml</i>	Filename path of the .xml file created by the utility. This .xml file contains the output of all the converted trading partner data. Optional.  Consider specifying a meaningful name for the .xml file. The default name is <b><i>final.xml</i></b> .	-x partner.xml
-r <i>filename.rpt</i>	Filename path of the report file created by the utility. This report contains information about the conversion. Review this report using a text editor to determine if any errors or warnings occurred during the conversion. Optional.  Consider specifying a meaningful name for the report file. The default name is <b><i>isconversion.rpt</i></b> .	-r partner.rpt
-t <i>tpCode</i>	Trading partner code to convert. You can specify one or more. Optional.  The default is to convert all trading partner codes.	-t VENDOR-1 VENDOR-2 ...
-q <i>qual</i>	Trading partner code qualifier corresponding to the tpCode. Optional.	-q 99 where 99 is the trading partner code qualifier.

- Verify that each value in the XML data is correct.

You can now import the converted data into Gentran Integration Suite.



## Process for Importing Converted iSeries Data

After you have converted your trading partner data, you can import the data into Gentran Integration Suite. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Gentran Integration Suite.
2. Review the import report to determine whether any errors occurred in the import process. Any object having an error associated with it (see the STATUS column) is not successfully imported. Therefore, you must correct the error and import the object again.
3. Review imported document envelopes and control numbers and, if necessary, modify them as needed.

You can now create complete trading partner profiles and code lists, and perform related map conversion tasks. Use the Map Editor Gentran:Server for iSeries map conversion utility to convert the maps.

For more information about maps related to your converted trading partner data, see *Map-Related Considerations When Converting Trading Partner Data* on page 24.

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## Converting Gentran:Basic for zSeries Trading Partner Data

The Gentran:Server for zSeries conversion utility converts the following trading partner data objects:

- ◆ Document Envelopes
- ◆ Control numbers

Use the *mfconvert.sh* utility to convert Gentran:Basic for zSeries trading partner data to a format that Gentran Integration Suite can use. The procedure converts some of the partner profile data, including inbound and outbound control number records and cross reference files.

**Note:** The trading partner data you plan to convert must have trading partner codes that conform to the format specified in the Gentran:Basic for zSeries documentation.

## Prerequisites to Converting zSeries Trading Partner Data

Before converting trading partner data, complete the following steps:

1. Create the setup environment. This step creates the `zos_partners` directory used for the transferred partner files and creates a customized version of the `mfconvert.sh` script (`customized_mf_convert.sh`) that you will use to execute the conversions. The customized script will contain all of the conversion parameters, saving you the task of entering them at the command line. Complete the task that is appropriate to your installation:
  - ◆ If converting to a UNIX-based Gentran Integration Suite system:  
Type a command similar to the following:  
`install_dir/tp_import/mfconvert.sh -setup`
  - ◆ If converting to a Windows-based Gentran Integration Suite system:
    - Create a directory called `zos_partners` in `install_dir`.
    - Type a command similar to the following:  
`install_dir/tp_import/mfconvert.cmd -setup`
2. Transfer JCL.  
Transfer the following file to a mainframe JCL library:  
`zos_partcopy.jcl`
3. To clean up file structure, review the partner file structure and delete any partners that are not needed for the conversion.
4. Customize the `partcopy.jcl`. Use this JCL to extract your partner files and FTP them to the `zos_partners` directory created in step 1. This step:
  - ◆ Renames the records files using the `.par`, `.icn`, `.ocn`, and `.crf` extensions to prepare them for conversion.
  - ◆ Copies the Partner VSAM files to sequential files (partcopy JCL).
  - ◆ FTPs the sequential files to the `zos_partners` directory (partcopy JCL).

You can now convert the trading partner data.

## Converting zSeries Trading Partner Data

To convert trading partner data:

1. Customize the customized\_mf\_convert.sh script as needed, such as to specify the trading partner or partners for which you want to convert data.

Recommended strategy is to copy customized\_mf\_convert.sh to another file and customize the copy.

**Note:** If converting to a Windows-based Gentran Integration Suite installation, name the file with a suffix of .cmd and customize the contents for Windows command syntax (remove the #!/bin/sh and change slashes to back slashes).

To customize the script, edit the following parameters as needed to define how you want to convert your data:

**Note:** Filename paths can be absolute or relative. You can specify these command line options in any order, except the -tp and -qualtp commands, which must be specified together in that order.

Parameter	Description	Example
-vers <i>version</i>	Valid zSeries version 6.0 or higher. Required.	-vers 6.0
-part <i>filename.par</i>	Full path or filename of the trading partner file. It must have the .par extension. Required. <b>Note:</b> Supported records are: CONTROL, GP, and TC, except GP!!!DFT and TC!!!DFT.	-part partner.par
-inbn <i>filename.icn</i>	Full path or filename of the inbound control number file. It must have the .icn extension. Enables the script to convert all the .icn files in this directory into an .xml file. Required.	-inbn partner.icn
-outbn <i>filename.ocn</i>	Full path or filename of the outbound control number file. It must have the .ocn extension. Enables the script to convert all the .ocn files in this directory into an .xml file. Required.	-outbn partner.ocn
-crf <i>filename.crf</i>	Full path or filename of the cross reference (XREF) file. It must have the .crf extension. The PartnerIDs in this file will be used as the SenderID for the inbound envelope definitions for the alias partner-ID being processed. Required.	-crf partner.crf
-sEDI <i>sysEDlcode</i>	Your Gentran:Basic for zSeries system EDI code. This code will be used as the ReceiverID for the inbound envelope definitions. Required.	-sEDI <i>yourEDlcode</i>
-qualEDI <i>qual</i>	Your Gentran:Basic for zSeries system EDI code qualifier. Optional.	-qualEDI 99 where 99 is the partner qualifier

Parameter	Description	Example
-xmlout <i>filename.xml</i>	Full path or filename of the .xml output file being created. It must have the .xml extension. This file contains the output of all the converted trading partner records. Optional.  Consider specifying a meaningful name for the .xml file. The default name is <b><i>final.xml</i></b> .	-xmlout partner.xml
-rpt <i>filename.rpt</i>	Full path or filename of the report file created by the utility. This report contains information about the conversion. Review this report using a text editor to determine if any errors or warnings occurred during the conversion. Optional.  Consider specifying a meaningful name for the report file. The default name is <b><i>mfconversion.rpt</i></b> .	-rpt partner.rpt
-tp <i>tpCode</i>	Trading partner code to convert. You can specify one or more. Optional. Must include -qualtp option if used.  If you do not specify the trading partner code, Gentran Integration Suite converts all trading partner codes.	-tp VENDOR-1 VENDOR-2 ...
-qualtp <i>qual</i>	Trading partner code qualifier used to generate envelope definitions. You can specify one or more. Optional. Must be used if using -tp option.	-qualtp 99 where 99 is the trading partner code qualifier.
-send_rcv <i>send/rcv</i>	Send/Receive flag. Indicates whether the conversion utility will consider the Send or Receive flag when building envelopes. Optional. Options include: <ul style="list-style-type: none"> <li>◆ s – Create envelopes only for outbound partner records that have Send flag=Yes.</li> <li>◆ r – Create envelopes only for inbound partner records that have Receive flag=Yes.</li> <li>◆ b – Use both flags. Create envelopes for all records that have either the Send or Receive flag set to Yes or that have both the Send and Receive flags set to Yes.</li> <li>◆ i – Ignore flag status; generate all inbound and outbound envelopes.</li> </ul> i is the default value.	-send_rcv s
-rel_part <i>rel/part</i>	Relationship indicator: <ul style="list-style-type: none"> <li>◆ r – Partner file is for a relationship mode partner.</li> <li>◆ p – Partner file is for a partner/qualifier mode partner.</li> </ul> p is the default value. Optional.	-rel_part r

Parameter	Description	Example
-env_name <i>envelope</i>	<p>Envelope naming conventions. Use one of the following four values to indicate the order in which you want the naming information to be included in the envelope name:</p> <ul style="list-style-type: none"> <li>◆ pstei</li> <li>◆ psite</li> <li>◆ pstie</li> <li>◆ pseit</li> </ul> <p>Where:</p> <ul style="list-style-type: none"> <li>◆ p – partner ID and qualifier</li> <li>◆ s – sender ID and qualifier</li> <li>◆ i – inbound or outbound</li> <li>◆ e – envelope indicator (interchange/group/transaction)</li> <li>◆ t – transaction, functional group or interchange (value of 1)</li> </ul> <p>Consider your naming conventions. If you already have trading partner data in Gentran Integration Suite, you may not want to save new envelopes with the same names.</p> <p>Optional. If you do not specify a naming convention, the default is partner ID_qualifier_envelope description_sender ID_qualifier_envelope information_inbound or outbound.</p>	<p>-env_name pstie</p> <p>For examples of converted envelope names using the different naming conventions, see <i>Example Converted Envelope Names</i> on page 22.</p>
-inb_bp <i>inbound bp</i>	Gentran Integration Suite business process model to be used on inbound envelopes included in this conversion.	-inb_bp EDIFACTDeenvelope
-inb_ebp <i>inbound error bp</i>	Gentran Integration Suite business process model you want to invoke for inbound envelopes included in this conversion, in case of errors.	-inb_ebp alert
-outb_bp <i>outbound bp</i>	Gentran Integration Suite business process model to be used on outbound envelopes included in this conversion.	-outb_bp OverdueAckCheck

2. Type a command similar to the following, according to your conversion type:

- ◆ For UNIX: `install_dir/tp_import/customized_mf_convert.sh`
- ◆ For Windows: `install_dir\tp_import\customized_mf_convert.cmd`

*install\_dir* is the directory on the host computer where Gentran Integration Suite is installed.

3. Verify that each value in the XML data is correct.

You can now import the converted data into Gentran Integration Suite.

## Example Converted Envelope Names

For this example, for an outbound partner:

- ◆ Partner id = V63-VENDOR-BULK
- ◆ qual = spaces
- ◆ ISA Sender id = STERLING SFW
- ◆ qual = ZZ
- ◆ GS Sender id = SENDR-CODE    qual = ZZ
- ◆ ISA and GS (SH - functional group)

### Default envelope naming convention output:

V63-VENDOR-BULK\_CONTROL\_STERLING SFW\_ZZ\_ISA\_IEA\_OUT

V63-VENDOR-BULK\_\_GPSH\_\_SENDER-CODE\_ZZ\_GS\_GE\_OUT

### psite naming convention output:

V63-VENDOR-BULK\_\_STERLING SFW\_ZZ\_O\_1\_ISA

V63-VENDOR-BULK\_\_SENDER-CODE\_ZZ\_O\_SH\_GS

### pstie naming convention output:

V63-VENDOR-BULK\_\_STERLING SFW\_ZZ\_1\_O\_ISA

V63-VENDOR-BULK\_\_SENDER-CODE\_ZZ\_SH\_O\_GS

## Process for Importing Converted zSeries Data

1. Import the final.xml file (or the renamed .xml output file) into Gentran Integration Suite.
2. Review the import report to determine whether any errors occurred in the import process. Any object having an error associated with it (see the STATUS column) is not successfully imported. Therefore, you must correct the error and import that envelope again.
3. Review imported document envelopes and control numbers, and, if necessary, modify them as needed.

**Note:** Required fields are not validated during the envelope import process. Therefore, the import report does not contain warning messages related to required fields that may be empty or contain invalid data. To validate, review imported envelopes using the document envelope edit function. Clicking **Next** as you move through the wizard validates the data and produces error messages for invalid data.

You can now create complete trading partner profiles and code lists, and perform related map conversion tasks. Use the Map Editor Gentran:Server for zSeries map conversion utility to convert the maps.

For more information about map conversion, see *Map-Related Considerations When Converting Trading Partner Data* on page 24.

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## Including Business Processes in Converted Envelope Definitions

When converting trading partner data for use with Gentran Integration Suite, you can include business processes in the trading partner envelope definitions, as follows:

- ◆ For business processes that are not specific to a trading partner, perform a mass change in the .xml file created by the conversion utility before importing the file into Gentran Integration Suite.
- ◆ For business processes specific to a trading partner, you must manually edit all envelopes after importing them into Gentran Integration Suite.

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## Map-Related Considerations When Converting Trading Partner Data

The trading partner conversion utilities do not convert EDI map data. After converting trading partner data and importing the .xml file into Gentran Integration Suite, open each transaction envelope definition created by the conversion (for example, ST or UNH envelopes) in Gentran Integration Suite and change the selection for the Compliance Map so that it references the correct map.

Remember that you must convert all maps (except Windows maps) used with the trading partner data you converted, according to the appropriate map conversion procedures, and then check them in to Gentran Integration Suite. The map conversion procedures detail the necessary tasks.

**Note:** Maps that will be checked into Gentran Integration Suite cannot have names containing spaces. If your map names contain spaces you must change the names using one of the following strategies:

- ◆ Before importing the .xml conversion file into Gentran Integration Suite, change the data by replacing the spaces with underscores.
- ◆ Manually edit the map names in the envelopes in Gentran Integration Suite after conversion.



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