

Sterling Integrator®

Trading Partner Conversion

Version 5.1

Sterling Commerce
An IBM Company

Contents

- Trading Partner Data Conversion Basics.....3**
 - Trading Partner Data Conversion.....3
- Convert Gentran:Server for UNIX Trading Partner Data.....5**
 - Gentran:Server for UNIX Trading Partner Data Conversion.....5
 - Prepare UNIX Trading Partner Data for Conversion.....5
 - Convert UNIX Trading Partner Data.....6
 - Import Converted UNIX Data.....8
- Convert Gentran:Server for Windows Trading Partner Data.....9**
 - Gentran:Server for Windows Trading Partner Data Conversion.....9
 - Prepare Windows Trading Partner Data for Conversion.....9
 - Convert Windows Trading Partner Data.....10
 - Import Converted Windows Data12
 - Trading Partner Cross-Reference, Location, and Lookup Table Conversion from Gentran:Server for Windows.....13
- Convert Gentran:Server for iSeries Trading Partner Data.....15**
 - Gentran:Server for iSeries Trading Partner Data Conversion.....15
 - Prepare iSeries Trading Partner Data for Conversion.....15
 - Convert iSeries Trading Partner Data.....16
 - Import Converted iSeries Data.....17
- Convert Gentran:Basic for zSeries Trading Partner Data.....18**
 - Gentran:Basic for zSeries Trading Partner Data Conversion.....18
 - Prepare zSeries Trading Partner Data for Conversion.....18
 - Convert zSeries Trading Partner Data.....19
 - Import Converted zSeries Data.....23
- After Converting Trading Partner Data.....24**
 - Business Processes in Converted Envelope Definitions.....24
 - Map-Related Considerations When Converting Trading Partner Data.....24

Trading Partner Data Conversion Basics

Trading Partner Data Conversion

Sterling Integrator provides time- and effort-saving conversion utilities to easily transfer trading partner data from the following Gentran applications into Sterling Integrator:

Application	Version(s) supported for trading partner conversion
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)

Using provided conversion utilities, you can convert trading partner data into an XML format for import into Sterling Integrator. Sterling Integrator also enables you to create XML documents for exporting trading partner information out of Sterling Integrator. 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 Sterling Integrator, it saves a copy of the pre-existing related data that was saved in Sterling Integrator prior to your import operation, so that you can save a backup file.

Data Conversion Types

The conversion of trading partner data 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">• From a standard format to application format• From a standard format to XML	Inbound envelope and an outbound acknowledgment envelope, if configured
<ul style="list-style-type: none">• From an application format to a standard format• From XML to a standard format	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

Convert Gentran:Server for UNIX Trading Partner Data

Gentran:Server for UNIX Trading Partner Data Conversion

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 Sterling Integrator can use. The utility you use depends on your operating system environment. If Sterling Integrator is installed in a:

- UNIX or LINUX environment, use the `convert.sh` utility.
- Windows environment, use the `convert.cmd` utility.

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

Prepare UNIX Trading Partner Data for Conversion

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

1. Prepare the 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 the 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.

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

3. Copy the `org.unl`, `tp.unl`, and `generic.unl` files to the following conversion directory:
`/install_dir/install/tp_import/gentran/source`

4. Edit the conversion properties file.

To enable the `convert.sh` utility to convert a `generic.unl` file:

- a) Navigate to `/install_dir/install/tp_import/gentran`.
- b) Edit the `converter.properties` file.
- c) Locate the `sterlingcommerce.si.gentran.quantity` property.
- d) Change the quantity value for the `sterlingcommerce.si.gentran.quantity` property from 2 to 3 so that the property looks like this: `sterlingcommerce.si.gentran.quantity=3`

5. Determine if you are converting EDIFACT trading partner data?

If...	Then...
No	Skip this step.
Yes	<p>Enable the <code>convert.sh</code> utility to convert the EDIFACT decimal separator character:</p> <ol style="list-style-type: none"> 1. Use Sterling Integrator to create an EDIFACT outbound Syntax 4 UNB/UNZ envelope. 2. Specify the envelope properties to use non-standard delimiters. 3. For the decimal separator, indicate the character to use to identify different CII multi details.

You can now convert the trading partner data.

Convert UNIX Trading Partner Data

The conversion utility uses the Gentran:Server for UNIX trading partner code to create the document envelope name. Because the system 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:

- Review 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
--help	Displays the Usage menu that describes the available command line options. Optional.	convert.sh --help
-properties	<p>Filename path of the converter properties file. This file provides key parameter values to the convert.sh utility. Optional.</p> <p>Note: When not specified, the converter properties file defaults to the directory <code>/install_dir/install/tp_import/gentran/converter.properties</code>.</p>	<pre>convert.sh -properties /install_dir/install/tp_import/gentran/converter.properties</pre>
-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 <code>/install_dir/install/tp_import/gentran/result/final.xml</code>.</p> <p>Consider specifying a name for the .xml file that is meaningful to you. To specify a name, type <code>-output</code> and the desired file name—for example, to specify <i>partner</i> as the name, type the following command:</p> <pre>-output partner.xml</pre>	<pre>convert.sh -output partner.xml</pre>
-report	<p>Filename path of the following report files created by the utility:</p> <ul style="list-style-type: none"> • <code>convert.rpt</code> – Details about the conversion process. • <code>ConversionCtrlNumReport.xml</code> – Details about data converted to control numbers. • <code>ConversionReport.xml</code> – Details about data converted to envelopes. • <code>SynonymReport.xml</code> – Details about data converted to code lists. <p>Optional.</p> <p>Consider specifying a name for the report files. To specify a name, type <code>-report</code> and the new file name—for example, to specify <i>partner</i> as the name of <code>convert.rpt</code>, type the following command:</p> <pre>-report partner.rpt</pre>	<pre>convert.sh -report partner.rpt</pre>

- Convert the trading partner data using the appropriate command.
 - For UNIX, enter: `/install_dir/install/tp_import/convert.sh`
 - For Windows, enter: `\install_dir\install\tp_import\convert.cmd`

Note: Append the appropriate parameters to further qualify how the data gets converted.

- 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 Sterling Integrator.

Import Converted UNIX Data

After you have converted your trading partner data, you can import the data into Sterling Integrator. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Sterling Integrator.

Note: You may encounter the following error during the import of the .xml file into Sterling Integrator:

```
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:

- a) Increase the transaction log size in the database.
 - b) Increase the JVM heapsize to 2048.
 - c) Stop the system.
 - d) Restart the system.
 - e) 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 the imported document envelopes, control numbers, 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 Gentran: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*.

Convert Gentran:Server for Windows Trading Partner Data

Gentran:Server for Windows Trading Partner Data Conversion

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 Sterling Integrator can use. The utility you use depends on your operating system environment. If Sterling Integrator 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 Sterling Integrator is installed.
- 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 Sterling Integrator. For information, see *Trading Partner Cross-Reference, Location, and Lookup Table Conversion from Gentran:Server for Windows*.

Note: 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.

Prepare Windows Trading Partner Data for Conversion

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:
 - a) Create a separate directory for each different EDI code used by the trading partners.
 - b) Copy each set of .par files that share the same EDI code to the respective directory.
3. Determine if you are implementing CII?

If...	Then...
No	Skip this step.
Yes	<ol style="list-style-type: none"> 1. Create a separate directory for trading partner data that includes CII information. 2. Use Sterling Integrator to set the operation mode for CII inbound envelope properties to either test or production.

You can now convert the trading partner data.

Convert Windows Trading Partner Data

To convert trading partner data:

- On the host computer where Sterling Integrator is installed, navigate to the `\install_dir\install\tp_import` directory.
- Review 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 -singleparfile). 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</p>	<pre>winconvert.cmd -dir <.par files directory path> -sysedicode ABC</pre> <p>where ABC is the system EDI code.</p>

Option	Description	Example
	procedure for each directory of .par files having a different 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 winconvert.cmd -singleparfile PETZONE.PAR, the utility reports that sysedicode is missing, prints the usage menu, and continues to create the .xml and report file.</p> <hr/> <p>Note: 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 Sterling Integrator after conversion.</p>	<pre>winconvert.cmd -dir <.par files directory path> -sysedicode ABC</pre> <p>where <i>ABC</i> is the system EDI code.</p>
-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> <pre>-output partner.xml</pre> <p>The default name is final.xml.</p>	<pre>winconvert.cmd -output partner.xml -dir <.par files directory path> -sysedicode ABC</pre> <p>where <i>ABC</i> is the system EDI code.</p>
-singleparfile	<p>Name of a single .par file. Enables the script to convert the .par file to XML. Required if not using -dir option.</p>	<pre>winconvert.cmd -singleparfile petzone.par -sysedicode ABC</pre> <p>where <i>ABC</i> is the system EDI code.</p>
-report	<p>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.</p> <p>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></p>	<pre>winconvert.cmd -report partner.rpt -dir <.par files directory path> -sysedicode ABC</pre> <p>where <i>ABC</i> is the system EDI code.</p>

Option	Description	Example
	as the name, type the following command: -report partner.rpt The default name is winconversion.rpt.	
-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 <i>ABC</i> is the system EDI code.

- Convert the trading partner data using the appropriate command.
 - For UNIX, enter: `./winconvert.sh`
 - For Windows, enter: `winconvert.cmd`

Note: Append the appropriate parameters to further qualify how the data gets converted.

- Determine if your a CII user using the winconvert.cmd utility?

If...	Then...
No	Skip this step.
Yes	Add the CII Syntax ID to the .xml result file after you convert a Gentran:Server for Windows trading profile file. The CII Syntax ID is required in Sterling Integrator.

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

You can now import the converted data into Sterling Integrator.

Import Converted Windows Data

After you have converted your trading partner data, you can import the data into Sterling Integrator. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Sterling Integrator.
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 the imported document envelopes, control numbers, and code lists. If necessary, modify them as needed.

Note: 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 Sterling Integrator and set the control number to the appropriate value.

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

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

You can now create complete trading partner profiles.

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

To enable successful conversion, trading partner cross-reference, location, and lookup table data is mapped differently in Sterling Integrator than in Gentran:Server for Windows.

The following table shows the new data locations for your reference.

Sterling Integrator 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

Sterling Integrator Table Mapping	Gentran:Server for Windows Location Table Mapping	Gentran:Server for Windows Lookup Table Mapping	Gentran:Server for Windows Cross-Reference Table Mapping
TEXT4	CITY	TEXT4	TEXT4
DESCRIPTION	CONTACT NAME	DESCRIPTION	DESCRIPTION
TEXT5	STATE		
TEXT6	ZIP		
TEXT7	COUNTRY		
TEXT8	TELEPHONE		
TEXT9	FAX		

Convert Gentran:Server for iSeries Trading Partner Data

Gentran:Server for iSeries Trading Partner Data Conversion

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 for iSeries trading partner data, including cross-references, to a format that Sterling Integrator 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 for iSeries documentation.

Prepare iSeries Trading Partner Data for Conversion

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

1. Export the data to convert.

From Gentran:Server for 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 for iSeries documentation.

Note: 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 the renamed files to the */install_dir/install/tp_import/gentran/source* conversion directory.

You can now convert the trading partner data.

Convert iSeries Trading Partner Data

To convert trading partner data:

1. Review the following command line options to determine what additional parameters are needed for the command line to convert your 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>	<p>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.</p> <p>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 Sterling Integrator after conversion.</p>	-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>	<p>Filename path of the .xml file created by the utility. This .xml file contains the output of all the converted trading partner data. Optional.</p> <p>Consider specifying a meaningful name for the .xml file. The default name is final.xml.</p>	-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	-r partner.rpt

Option	Description	Example
	<p>occurred during the conversion. Optional.</p> <p>Consider specifying a meaningful name for the report file. The default name is isconversion.rpt.</p>	
-t <i>tpCode</i>	<p>Trading partner code to convert. You can specify one or more. Optional.</p> <p>The default is to convert all trading partner codes.</p>	-t VENDOR-1 VENDOR-2 ...
-q <i>qual</i>	<p>Trading partner code qualifier corresponding to the <i>tpCode</i>. Optional.</p>	-q 99 where 99 is the trading partner code qualifier.

- Convert the trading partner data, enter: `install_dir/install/tp_import/isconvert.sh`

Note: Append the appropriate parameters to further qualify how the data gets converted.

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

You can now import the converted data into Sterling Integrator.

Import Converted iSeries Data

After you have converted your trading partner data, you can import the data into Sterling Integrator. To complete the import process:

- Import the `final.xml` file (or the renamed `.xml` output file) into Sterling Integrator.
- 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.
- 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*.

Convert Gentran:Basic for zSeries Trading Partner Data

Gentran:Basic for zSeries Trading Partner Data Conversion

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 Sterling Integrator 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.

Prepare zSeries Trading Partner Data for Conversion

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

1. Create the setup environment. This procedure 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 system, enter: `/install_dir/install/tp_import/mfconvert.sh -setup`
- If converting to a Windows-based system:
 1. Navigate to the `/install_dir/install` directory.
 2. Create a directory named `zos_partners`.
 3. Enter: `/install_dir/install/tp_import/mfconvert.cmd -setup`

2. Transfer the `zos_partcopy.jcl` file to a mainframe JCL library.
3. Clean up the file structure:
 - Review the partner file structure.
 - Delete any partners that are not needed after 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.

Convert zSeries Trading Partner Data

Note: If converting to a Windows-based Sterling Integrator 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 convert trading partner data:

1. Navigate to the `/install_dir/install/tp_import` directory.
2. Edit the `customized_mf_convert.sh` script as needed 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.

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
<code>-vers version</code>	Valid zSeries version 6.0 or higher. Required.	<code>-vers 6.0</code>
<code>-part filename.par</code>	Full path or filename of the trading partner file. It must have the <code>.par</code> extension. Required. Note: Supported records are: CONTROL, GP, and TC, except GP!!!DFT and TC!!!DFT.	<code>-part partner.par</code>
<code>-inbn filename.icn</code>	Full path or filename of the inbound control number file. It must have the <code>.icn</code> extension. Enables the script to	<code>-inbn partner.icn</code>

Parameter	Description	Example
	convert all the .icn files in this directory into an .xml file. Required.	
-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>sysEDICode</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>yourEDICode</i>
-qualEDI <i>qual</i>	Your Gentran:Basic for zSeries system EDI code qualifier. Optional.	-qualEDI 99 where 99 is the partner qualifier
-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 final.xml.	-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 mfconversion.rpt.	-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, Sterling Integrator converts all trading partner codes.	-tp VENDOR-1 VENDOR-2 ...

Parameter	Description	Example
-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"> • s – Create envelopes only for outbound partner records that have Send flag=Yes. • r – Create envelopes only for inbound partner records that have Receive flag=Yes. • 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. • i – Ignore flag status; generate all inbound and outbound envelopes. i is the default value.	-send_rcv s
-rel_part <i>rel/part</i>	Relationship indicator: <ul style="list-style-type: none"> • r – Partner file is for a relationship mode partner. • p – Partner file is for a partner/qualifier mode partner. p is the default value. Optional.	-rel_part r
-env_name <i>envelope</i>	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: <ul style="list-style-type: none"> • pstei • psite • pstie • pseit Where: <ul style="list-style-type: none"> • p – partner ID and qualifier • s – sender ID and qualifier • i – inbound or outbound • e – envelope indicator (interchange/group/transaction) • t – transaction, functional group or interchange (value of 1) 	-env_name pstie For examples of converted envelope names using the different naming conventions, see Example Converted Envelope Names on page 24.

Parameter	Description	Example
	<p>Consider your naming conventions. If you already have trading partner data in Sterling Integrator, 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>	
-inb_bp <i>inbound bp</i>	Business process model to be used on inbound envelopes included in this conversion.	-inb_bp EDIFACTDevelope
-inb_ebp <i>inbound error bp</i>	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>	Business process model to be used on outbound envelopes included in this conversion.	-outb_bp OverdueAckCheck

3. Convert the data. Depending on your conversion type, use the appropriate command.

- For UNIX, enter: `install_dir/install/tp_import/customized_mf_convert.sh`
- For Windows, enter: `\install_dir\install\tp_import\customized_mf_convert.cmd`

`install_dir/install` is the directory on the host computer where Sterling Integrator is installed.

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

You can now import the converted data into Sterling Integrator.

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.

Import Converted zSeries Data

After you have converted your trading partner data, you can import the data into Sterling Integrator. To complete the import process:

1. Import the final.xml file (or the renamed .xml output file) into Sterling Integrator.
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.

Note: For more information about map conversion, see *Map-Related Considerations When Converting Trading Partner Data*.

After Converting Trading Partner Data

Business Processes in Converted Envelope Definitions

When converting trading partner data for use with Sterling Integrator, 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 Sterling Integrator.
- For business processes specific to a trading partner, you must manually edit all envelopes after importing them into Sterling Integrator.

Map-Related Considerations When Converting Trading Partner Data

The trading partner conversion utilities do not convert Electronic Data Interchange (EDI) map data. After converting trading partner data and importing the .xml file into Sterling Integrator, open each transaction envelope definition created by the conversion (for example, ST or UNH envelopes) in Sterling Integrator 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 Sterling Integrator. The map conversion procedures detail the necessary tasks.

Note: Maps that will be checked into Sterling Integrator 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 Sterling Integrator, change the data by replacing the spaces with underscores.
 - Manually edit the map names in the envelopes in Sterling Integrator after conversion.
-

Copyright

Licensed Materials - Property of Sterling Commerce

© Copyright Sterling Commerce, an IBM Company 2000, 2010 All Rights Reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by contract with Sterling Commerce

Additional copyright information is located on the Sterling Integrator 5.1 Documentation Library:

<http://www.sterlingcommerce.com/Documentation/SI51/CopyrightPage.htm>

Index

A

ASC X12, envelopes converted 4

B

business processes, including in converted envelope definitions 24

C

conversion utilities

- convert.sh and convert.cmd for Gentran\
Server for UNIX trading partner conversions 5

- customized_mf_convert.sh for Gentran\
Basic for zSeries trading partner conversions 18

- isconvert.sh for Gentran\
Server for iSeries trading partner conversions 15

- mfconvert.sh for Gentran\
Basic for zSeries trading partner conversions 18

- winconvert.sh and winconvert.cmd for Gentran\
Server for Windows trading partner conversions 9

- convert.cmd utility for Gentran\
Server for UNIX trading partner conversion 5

- convert.sh utility for Gentran\
Server for UNIX trading partner conversion 5

- customized_mf_convert.sh script for Gentran\
Basic for zSeries trading partner conversion 18

E

EDI map data, not included in trading partner conversion 24

EDIFACT, envelopes converted 4

G

Gentran\
Basic for zSeries

- supported versions for trading partner conversion 3
- trading partner conversion procedures 18

- Server for iSeries

 - supported versions for trading partner conversion 3
 - trading partner conversion procedures 15

- Server for UNIX

 - supported versions for trading partner conversion 3
 - trading partner conversion procedures 5

- Server for Windows

 - supported versions for trading partner conversion 3

Gentran\
(continued)

- Server for Windows *(continued)*

 - trading partner conversion cross-reference, location and lookup table mapping differences 13
 - trading partner conversion procedures 9

I

- isconvert.sh utility for Gentran\
Server for iSeries trading partner conversion 15

J

Japanese Center for Informatization of Industry (CII), envelopes converted 4

M

- map data and trading partner conversion, considerations 24
- mfconvert.sh utility for Gentran\
Basic for zSeries trading partner conversion 18

S

standards converted with trading partner data 4

T

Tradacoms, envelopes converted 4

- trading partner conversion

 - about 3
 - about EDI map data not included 24
 - data types converted 4
 - from Gentran\
Basic for zSeries 18
 - Server for iSeries 15
 - Server for UNIX 5
 - Server for Windows 9

- including business processes in envelope definitions 24
- standards 4

W

- winconvert.cmd utility for Gentran\
Server for Windows trading partner conversion 9

- winconvert.sh utility for Gentran\
Server for Windows trading partner conversion 9