

IBM WEBSHERE PARTNER GATEWAY V6.0 – LAB EXERCISE

XML to EDI Configuration

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NOTE: Education materials and other documentation as applicable including programming manuals, operating guides, physical planning manuals and installation manuals related to the IBM Products may be early versions subject to change.

What this exercise is about

This document describes how to configure WebSphere Partner Gateway to accept an XML document, transform it into an EDI transaction using a Map, validate the EDI Transaction and envelope this transaction.

Lab Requirements

List of system and software required for the student to complete the lab.

- WebSphere MQ 5.3 with CSD 08 installed
- DB2 8.2 Enterprise server installed
- Data Interchange Services Client 6.0 installed
- WebSphere Partner Gateway V 6.0 (WPG) software installed (This includes the DB loader and the runtime servers)

What you should be able to do

At the end of this lab you should be able to:

Configure WebSphere Partner Gateway to accept a XML document, translate it to EDI and validate it.

Exercise Instructions

Some instructions in this lab may be Windows operating-system specific. If you plan on running the lab on an operating-system other than Windows, you will need to execute the appropriate commands, and use appropriate files (.sh vs. .bat) for your operating system. The directory locations are specified in the lab instructions using symbolic references, for example:

Reference Variable	Windows Location	Linux Location
<WPG_HOME>	C:\IBM\WPG\bcghub	/opt/IBM/WPG/bcghub
<LAB_FILES>	C:\WPGLabfiles	/tmp/WPGLabfiles
<TEMP>	C:\temp	/tmp

WPG users can be categorized into 3 administrative roles.

Community Operator: The Community Operator is responsible for managing the day-to-day operation of the hub community. Pre-defined user– cannot be deleted. Acts as “sysadmin” for WPG. Defines and maintains the WPG’s capabilities. Typically does NOT send or receive documents



Community Participant: External business partners to WPG. Can be as many defined as desired



**Community
Participant**

Community Manager: The Community Manager is the primary driving force within the hub community. Also a participant, but is the principle one. Can only have one Community Manager in WPG. Operational manager for the community



**Community
Manager**

Lab Files

You would need a copy of the following files in your <LAB_FILES>

MAP File: S_DT_XML_TO_EDI.eif

Input File: xml2edi.inp

Part 1: Introduction

Objective:

The source trading partner sends an XML document which needs to be converted to EDI and sent to the target trading partner.

Figure-1

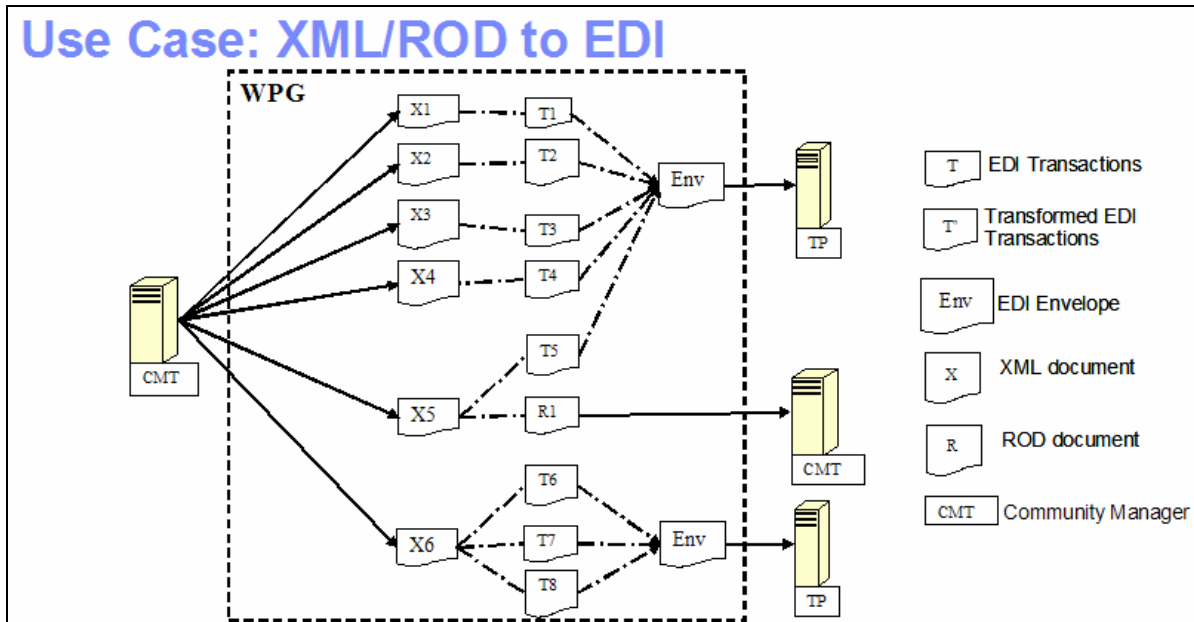
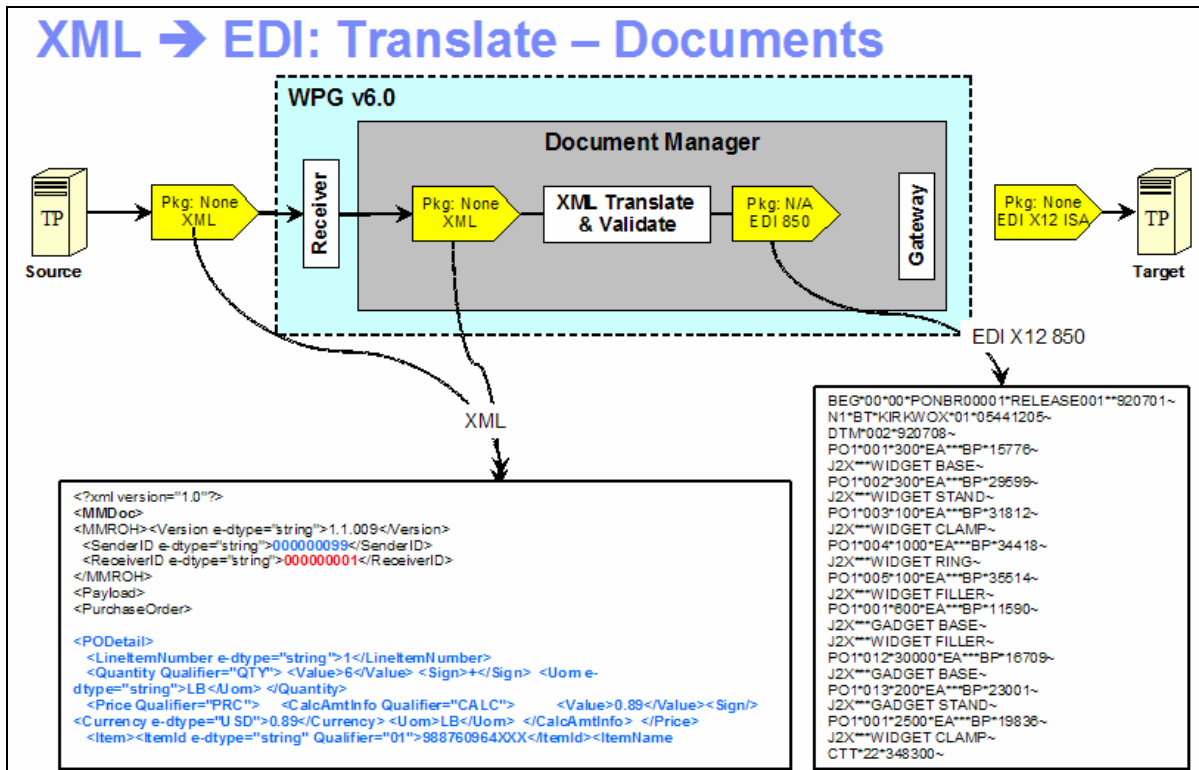
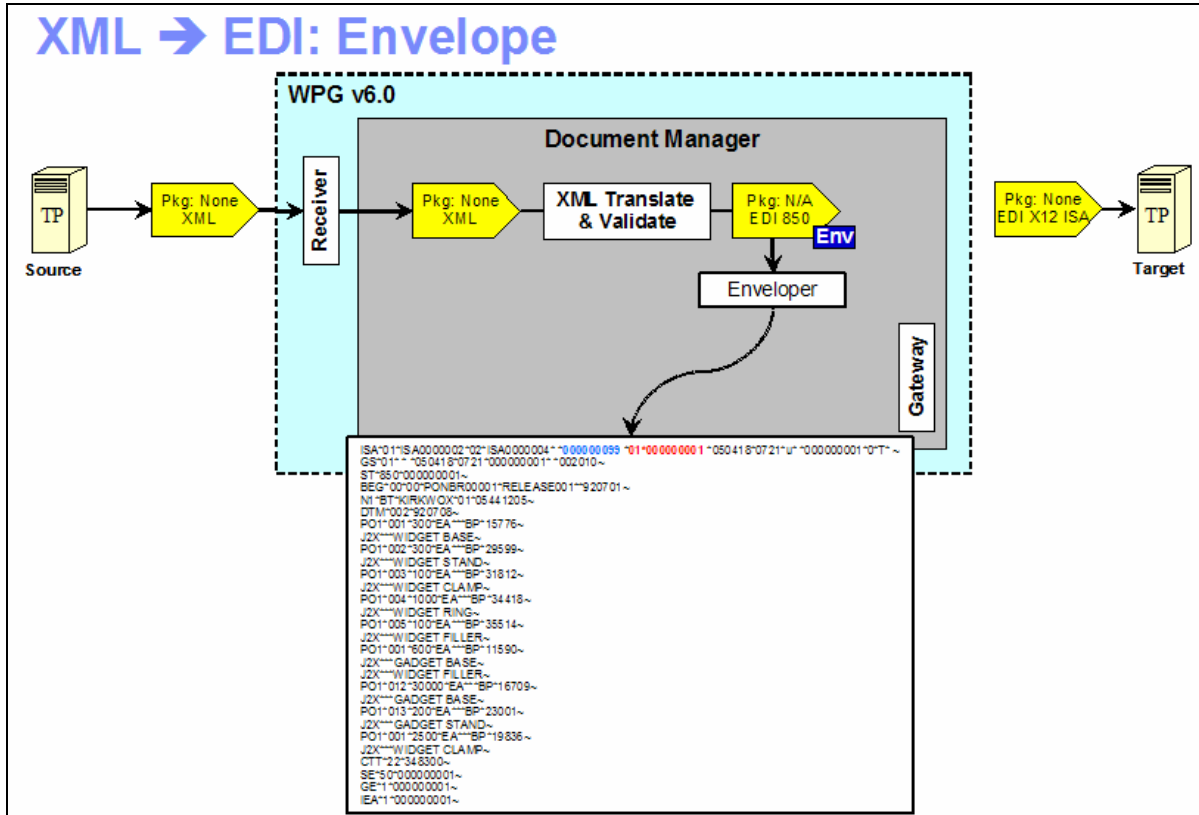


Figure-1 shows the high level representation of the actions that take place in an ROD/XML to EDI flow between 2 trading partners.



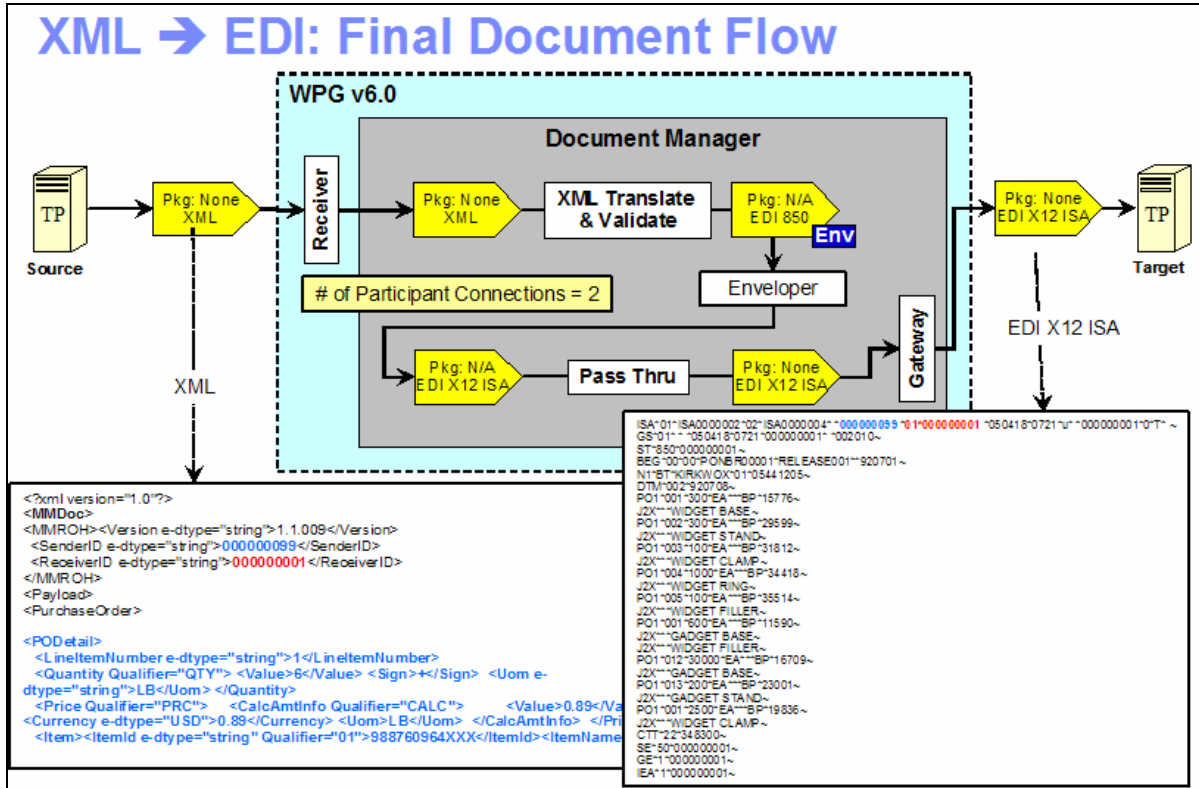
Step 3:

The EDI transaction that was generated in the translation phase goes through the enveloping phase. Based on the scheduling of the enveloper and other rules, the ready EDI transactions will be enveloped into an EDI X12 ISA envelope.



Step 4:

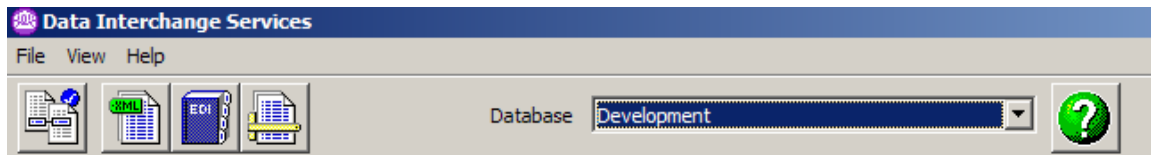
The enveloped EDI X12 ISA then flows back through the document manager, for any final packaging that has been configured by the connection. The EDI is then sent to the receiver Trading partner through the Gateway for target trading partner.



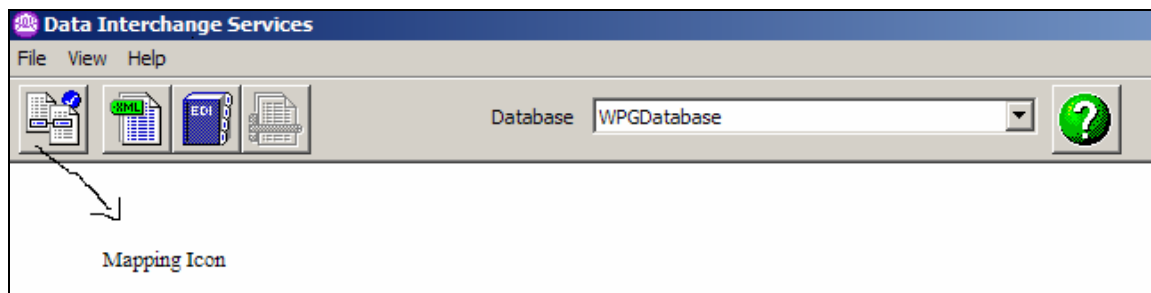
Two participant connections need to be configured, as shown in the diagram. One for the translation and enveloping and another for the EDI document to be sent to the target gateway.

Part 2: Exporting the Map to WPG Database from DIS Client

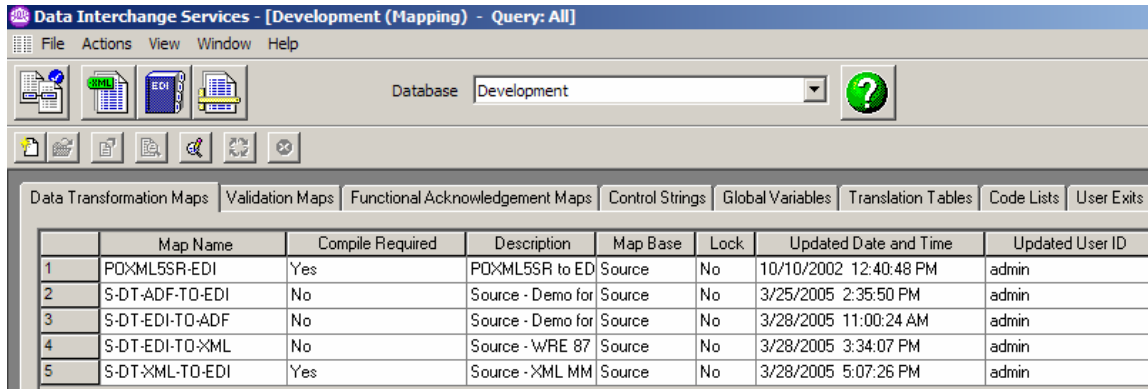
- ___ 1. Launch the DIS Client Application. If you haven't already configured the ODBC data source for the bcgapps DB2 database and created a new database in the DIS Client, refer the lab "**Creating DB2 ODBC Data Source Creation and Installation and Configuration of IBM DIS Client V6.0**". If you have already finished the configuring ODBC data source and created a new database in DIS Client, follow the instructions below
- ___ 2. **Importing the Map into your development database**
 - ___ a. Select the "**Development**" database from the Database dropdown menu



- ___ b. **File → Open Import File**
 - ___ 1) Browse to the <LAB_FILES>/xml_edi and select **S_DT_XML_TO_EDI.eif** and select it
 - ___ 2) On the import screen select the checkboxes (Selecting the top automatically selects all)
- ___ c. Click on the **Actions → Import**
 - ___ 1) Select "**Development**" in the list of available Databases
 - ___ 2) Click Ok. "**Execution status Window**" will open and the import will start. You should see the message "**Import Completed successfully**" message once the import is done.
 - ___ 3) Click **close**
- ___ 3. Click on the icon "**Mapping**".



- ___ a. A new window is opened

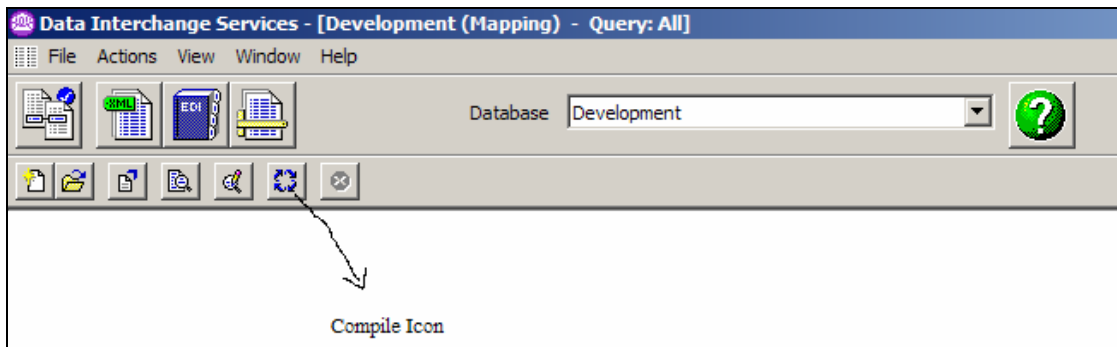


	Map Name	Compile Required	Description	Map Base	Lock	Updated Date and Time	Updated User ID
1	POXML5SR-EDI	Yes	POXML5SR to ED	Source	No	10/10/2002 12:40:48 PM	admin
2	S-DT-ADF-TO-EDI	No	Source - Demo for	Source	No	3/25/2005 2:35:50 PM	admin
3	S-DT-EDI-TO-ADF	No	Source - Demo for	Source	No	3/28/2005 11:00:24 AM	admin
4	S-DT-EDI-TO-XML	No	Source - WRE 87	Source	No	3/28/2005 3:34:07 PM	admin
5	S-DT-XML-TO-EDI	Yes	Source - XML MM	Source	No	3/28/2005 5:07:26 PM	admin

- ___ b. Click on the Data Transformation Maps tab.
- ___ c. The Map name **S_DT_XML_TO_EDI** Should be listed with the Compile required option as "**Yes**".
- ___ d. Select this map and click on the **Compile** Icon. Alternatively go to the top menu. Click **Actions** → **Compile**

"**Execution status Window**" will open and the import will start. You should see the message "**Compile Completed successfully**" message once the import is done.

Click close.



- ___ 4. Importing the compiled map into the **WPGDatabase**
 - ___ a. Go to the "**Control Strings**" tab
 - ___ b. Select the row for the map name "**S_DT_XML_TO_EDI**". If you do not see the map, refresh the panel (From the DIS Client menu bar, select **View** and then select **Refresh**)
 - ___ c. Select Top menu. Click **Actions** → **Export to Other Database**
 - ___ 1) Select the **WPGDatabase** from the list and Click **Ok**
 - ___ 2) If you are prompted for the username and password, provide the DB2 username and password information.

For this Lab, the information is as follows:

User Name: **labuser**

Passwd: **lab1user**

- ___ 3) On the "**Export with control string**" screen
 - ___ a) Click **Select All** and then **Ok**.
 - ___ b) "**Execution status Window**" will open and the compilation will start. You should see the message "**Export Completed Successfully**" message once the compiling is done.
 - ___ c) Click Close

You have successfully exported the Map into the WPGDatabase

Part 3: Starting MQ Components and WPG Servers

Note: Make sure that the database server is started

Starting the required MQ services:

Open a command window and issue the following commands.

- ___ 1. **Start MQ queue manager**
strmqm bcg.queue.manager
- ___ 2. **Start MQ Broker**
strmqbrk -m bcg.queue.manager
- ___ 3. **Start services on the Queue manager**
strmqcsv bcg.queue.manager
- ___ 4. **Run MQ listener (9999 is the default port used by the installer)**
runmqlsr -t tcp -p 9999 -m bcg.queue.manager

Starting WPG Servers

Open a command window and change directories to <WPG_HOME>/bin

- ___ 1. **Starting Console**
bcgstartserver bcgconsole
- ___ 2. **Starting Receiver**
bcgstartserver bcgreceiver
- ___ 3. **Starting Doc. Manager**
bcgstartserver bcgdocmgr

Part 4: Logging into the Community Console

- _____ 1. If you have already logged into the Community console previously and followed the instructions in **wpgv6_basic_configuration** lab, use the following authentication information

User Name: **hubadmin**

Password: **hub1admin**

Company Name: **Operator**

Part 5: Checking the import of maps

Community Operator has the privilege for checking the Map import



Community
Operator

1. Checking Map import

- a. **Hub Admin → Hub Configuration → Maps → Transformation Maps.** The map **S_DT_XML_TO_EDI** should be listed

Click on the view  icon. The Document Flow Definition from Source to Target is listed as

Manage Transformation Maps

• Create Transformation Map • Manage Transformation Maps

Document Flow Definition from Source to Target.

Source *	Target *
<ul style="list-style-type: none"> 0 1 2 3 4 All Package: AS Package: None Protocol: Binary (1.0) Protocol: FVT-XML-TEST (ALL) ✓ Document Flow: ICGCPO (ALL) Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL) Protocol: DEMO850CL_DICTIONARY (ALL) Protocol: ADF-TO-EDI_DICT (ALL) Protocol: Web Service (1.0) Protocol: cXML (1.2.009) Protocol: EDI-Consent (ALL) Protocol: EDI-EDIFACT (ALL) Protocol: EDI-X12 (ALL) Package: Backend Integration (1.0) Package: N/A 	<ul style="list-style-type: none"> 0 1 2 3 4 All Package: AS Package: None Package: Backend Integration (1.0) Package: N/A Protocol: EDI-X12 (ALL) Protocol: MX12V3R1 (ALL) ✓ Document Flow: 850 (ALL) Protocol: &X44TA1 (ALL) Protocol: &DT99724 (ALL) Protocol: X12V2R1 (ALL) Protocol: EDI-Consent (ALL) Protocol: EDI-EDIFACT (ALL)

Map Name: S-DT-XML-TO-EDI

Description: Source - XML MMDOC - Commerce Quest Inbound

Note:

The values **FVT-XML-TEST** for the protocol and **ICGCPO** for the document flow on source side correspond to the **Dictionary Name** and **Document Definition Name** defined in the **Source Document Definition** of the map **S_DT_XML_TO_EDI** you imported.

The values **MX12V3R1** for the protocol and **850** for the document flow on target side correspond to the **Dictionary Name** and **Document Definition Name** defined in the **Target Document Definition** of the map **S_DT_XML_TO_EDI** you imported.

Part 6: Creating Targets

Note: You have already created the “xmlfiletarget” before in the “WPG Basic Configuration” Lab. If not please complete the “WPG Basic Configuration” Lab before you proceed.

Part 7: Creating Participants

Note: You have already created the Manager and TP1 participants before in the “WPG Basic Configuration” Lab. If not please complete the “WPG Basic Configuration” Lab before you proceed.

Part 8: Creating Gateways for the Participants

Note: You have already created the file gateways for the Manager and TP1 profile before in the “WPG Basic Configuration” Lab. If not please complete the “WPG Basic Configuration” Lab before you proceed.

Part 9: Create Interactions

New Interactions can be created only by Community Operators.



For the XML to EDI Scenario, We need to create 2 interactions. One interaction corresponding to the transformation of XML to EDI message (850 in this lab) and envelope it and the second one corresponds to sending the enveloped EDI message to the Target Partner

1. Create the Transformation Interaction

a. Go to **Hub Admin** → **Hub Configuration** → **Document Flow Definition**

1) Click **Manage Interactions** located at right corner of the screen





2) Select "**Create Interaction**"

3) Create the following source to target interaction

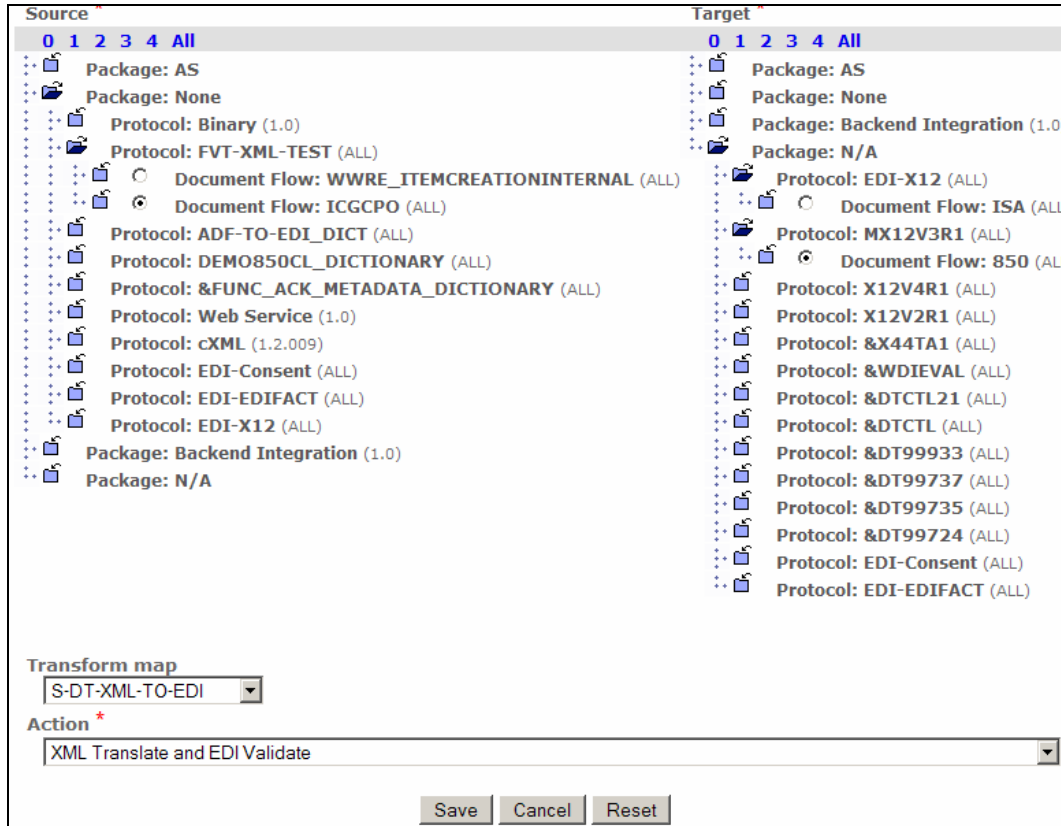
Package: **None**
 Protocol: **FVT-XML-TEST (ALL)**
 Document Flow: **ICGCPO (ALL)**

To

Package: **N/A**
 Protocol: **MX12V3R1 (ALL)**
 Document Flow: **850 (ALL)**

- a) Click on the  icon next to **Package: None** under the **Source**. This should list all the protocols available under **Package: None**.
- b) Click on the  icon next to **Protocol: FVT-XML-TEST (ALL)** under the **Source**. This should list all the Document Flows available under **Protocol: FVT-XML-TEST (ALL)**.
- c) Click on the radio button next to **Document Flow: ICGCPO (ALL)** under the **Source**.
- d) Click on the  icon next to **Package: N/A** under the **Target**. This should list all the protocols available under **Package: N/A**.
- e) Click on the  icon next to **Protocol: MX12V3R1 (ALL)** under the **Target**. This should list all the Document Flows available under **Protocol: MX12V3R1 (ALL)**.
- f) Click on the radio button next to **Document Flow: 850 (ALL)** under the **Target**.
- g) Select the "**S-DT-XML-TO-EDI**" from the **Transformation Map** drop down menu

- ___ h) Select “**XML Translate and EDI Validate** “ from the **Action** drop down menu.
- ___ i) Click Save.



2. Create the Interaction to send the Enveloped EDI message to the Target Partner





a. Go to **Hub Admin** → **Hub Configuration** → **Document Flow Definition**

































- ___ 1) Click **Manage Interactions** located at right corner of the screen
- ___ 2) Select “**Create Interaction**”
- ___ 3) Create the following source to target interaction.

Package: N/A
Protocol: EDI-X12 (ALL)
Document Flow: ISA (ALL)

To

Package: None
Protocol: EDI-X12 (ALL)
Document Flow: ISA (ALL)

- __ a) Click on the  icon next to **Package: N/A** under the **Source**. This should list all the protocols available under **Package: N/A**.
- __ b) Click on the  icon next to **Protocol: EDI-X12 (ALL)** under the **Source**. This should list all the Document Flows available under **Protocol: EDI-X12 (ALL)**.
- __ c) Click on the radio button next to **Document Flow: ISA (ALL)** under the **Source**.
- __ d) Click on the  icon next to **Package: None** under the **Target**. This should list all the protocols available under **Package: None**.
- __ e) Click on the  icon next to **Protocol: EDI-X12 (ALL)** under the **Target**. This should list all the Document Flows available under **Protocol: EDI-X12 (ALL)**.
- __ f) Click on the radio button next to **Document Flow: ISA (ALL)** under the **Target**.
- __ g) Select “**Pass Through**” from the **Action** drop down menu.
- __ h) Click **Save**.

Source *	Target *
<div style="border-bottom: 1px solid gray; padding-bottom: 2px;"> 0 1 2 3 4 All </div> <ul style="list-style-type: none">  Package: AS  Package: None  Package: Backend Integration (1.0)  Package: N/A <ul style="list-style-type: none">  Protocol: EDI-X12 (ALL) <ul style="list-style-type: none"> <input checked="" type="radio"/> Document Flow: ISA (ALL)  Protocol: MX12V3R1 (ALL)  Protocol: X12V4R1 (ALL)  Protocol: X12V2R1 (ALL)  Protocol: &X44TA1 (ALL)  Protocol: &WDIEVAL (ALL)  Protocol: &DTCTL21 (ALL)  Protocol: &DTCTL (ALL)  Protocol: &DT99933 (ALL)  Protocol: &DT99737 (ALL)  Protocol: &DT99735 (ALL)  Protocol: &DT99724 (ALL)  Protocol: EDI-Consent (ALL)  Protocol: EDI-EDIFACT (ALL) 	<div style="border-bottom: 1px solid gray; padding-bottom: 2px;"> 0 1 2 3 4 All </div> <ul style="list-style-type: none">  Package: AS  Package: None <ul style="list-style-type: none">  Protocol: Binary (1.0)  Protocol: FVT-XML-TEST (ALL)  Protocol: ADF-TO-EDI_DICT (ALL)  Protocol: DEMO850CL_DICTIONARY (ALL)  Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)  Protocol: Web Service (1.0)  Protocol: cXML (1.2.009)  Protocol: EDI-Consent (ALL)  Protocol: EDI-EDIFACT (ALL)  Protocol: EDI-X12 (ALL) <ul style="list-style-type: none"> <input checked="" type="radio"/> Document Flow: ISA (ALL)  Package: Backend Integration (1.0)  Package: N/A
Transform map <input type="text" value="Select Transform Map"/>	
Action * <input type="text" value="Pass Through"/>	
<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Reset"/>	

Part 10: Enabling B2B Capabilities

B2B capabilities can be enabled by Community Operators, Community Manager and Community Participants



Community Operator: Can enable B2B Capabilities for all the participants including the Community Manager Profile

Community Manager: Can enable B2B Capabilities for its own profile

Community Participant: Can enable B2B Capabilities for its own profile

Note: Some of the B2B Capabilities for the participants may have already been enabled from previous scenarios.

B2B Capabilities specify what particular Package, Protocol, and Document Flows the Participant Supports. Enabled B2B capabilities for a participant define the types of documents the participant will be allowed to send and/or receive. The B2B capabilities for a partner are a subset of the Package, Protocol, and Document Flows that Hub supports.

1. Enable B2B Capabilities for the Source Trading Partner

a. Go to **Account Admin** → **Profiles** → **Community Participant** and click on Search button. This should list all the Participants created

1) Select the Source Trading Partner, **Manager** and click on the  icon. This will activate the **Manager** profile




b. Click on **B2B Capabilities** menu item.

Since we are enabling the B2B capabilities of the source trading partner, we only need to enable the Package, Protocol and Document Flow for source side.

Enable the following **Package, Protocol, and Document Flow** by following the instructions below



Package: **None (N/A)**
 Protocol: **FVT-XML-TEST (ALL)**
 Document Flow: **ICGCPO (ALL)**


Perform the following steps under the “Set Source” column of the B2B Capabilities

1) Click on the  icon in the row corresponding to **Package: None**.  should be changed to 



2) Click on the  icon next to **Package: None**. This should list all the protocols available under **Package: None**.

___ 3) Click on the  icon in the row corresponding to **Protocol: FVT-XML-TEST (ALL)**.

 should be changed to 

___ 4) Click on the  icon next to **Protocol: FVT-XML-TEST (ALL)**. This should list all the Document Flows available under **Protocol: FVT-XML-TEST (ALL)**

___ 5) Click on the  icon in the row corresponding to **Document Flow: ICGCPO (ALL)**.

 should be changed to 




Enable the following **Package, Protocol, and Document Flow** by following the instructions below


Package: **N/A (N/A)**




Protocol: **EDI-X12 (ALL)**


Document Flow: **ISA (ALL)**




Perform the following steps under the “Set Source” column of the B2B Capabilities

___ 1) Click on the  icon in the row corresponding to **Package: N/A**.  should be changed to 

___ 2) Click on the  icon next to **Package: N/A**. This should list all the protocols available under **Package:N/A**.

___ 3) Click on the  icon in the row corresponding to **Protocol: EDI-X12 (ALL)**.  should be changed to 

___ 4) Click on the  icon next to **Protocol: EDI-X12 (ALL)**. This should list all the Document Flows available under **Protocol: EDI-X12 (ALL)**

___ 5) Click on the  icon in the row corresponding to **Document Flow: ISA (ALL)**.  should be changed to 




Enable the following **Package, Protocol, and Document Flow** by following the instructions below


Package: **N/A (N/A)**








Protocol: **MX12V3R1 (ALL)**























































Document Flow: **850 (ALL)**

Perform the following steps under the “Set Source” column of the B2B Capabilities

___ 1) Click on the  icon in the row corresponding to **Package: N/A**.  should be changed to 


___ 2) Click on the  icon next to **Package: N/A**. This should list all the protocols available under **Package: N/A**.

- ___ 3) Click on the  icon in the row corresponding to **Protocol: MX12V3R1 (ALL)**.  should be changed to 
- ___ 4) Click on the  icon next to **Protocol: MX12V3R1 (ALL)**. This should list all the Document Flows available under **Protocol: MX12V3R1 (ALL)**
- ___ 5) Click on the  icon in the row corresponding to **Document Flow: 850 (ALL)**.  should be changed to 

Profile > Manager > B2B Capabilities				Welcome, Hub Administrator						
Set Source	Set Target	Enabled	Edit	Document Flow Definition						
				0	1	2	3	4	All	
		Enabled		Package: AS						
		Enabled		Package: None						
		Enabled		Protocol: Binary (1.0)						
		Enabled		Protocol: FVT-XML-TEST (ALL)						
		Enabled		Document Flow: WWRE_ITEMCREATIONINTERNAL (ALL)						
		Enabled		Document Flow: ICGCPO (ALL)						
		Enabled		Protocol: ADF-TO-EDI_DICT (ALL)						
		Enabled		Protocol: DEMO850CL_DICTIONARY (ALL)						
				Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)						
				Protocol: Web Service (1.0)						
				Protocol: cXML (1.2.009)						
				Protocol: EDI-Consent (ALL)						
				Protocol: EDI-EDIFACT (ALL)						
				Protocol: EDI-X12 (ALL)						
		Enabled		Package: Backend Integration (1.0)						
		Enabled		Package: N/A						
		Enabled		Protocol: EDI-X12 (ALL)						
		Enabled		Document Flow: ISA (ALL)						
		Enabled		Protocol: MX12V3R1 (ALL)						
		Enabled		Document Flow: 850 (ALL)						

2. Enable B2B Capabilities for the Target Trading Partner

- ___ a. Go to **Account Admin** → **Profiles** → **Community Participant** and click on Search button. This should list all the Participants created

- ___ 1) Select the Target Trading Partner you created for this scenario by clicking on the  icon. In this document the Target Trading Partner is **“TP1”**












- ___ b. Click on **B2B Capabilities** menu item

Since we are enabling the B2B capabilities of the target trading partner, we only need to enable the Package, Protocol and Document Flow for target side.

Enable the following **Package, Protocol, and Document Flow** by following the instructions below

Package: **N/A (N/A)**
 Protocol: **MX12V3R1 (ALL)**
 Document Flow: **850 (ALL)**












Perform the following steps under the “Set Target” column of the B2B Capabilities

- ___ 1) Click on the  icon in the row corresponding to **Package: N/A**.  should be changed to 
- ___ 2) Click on the  icon next to **Package: N/A** . This should list all the protocols available under **Package:N/A**.
- ___ 3) Click on the  icon in the row corresponding to **Protocol: MX12V3R1 (ALL)**.  should be changed to 
- ___ 4) Click on the  icon next to **Protocol: MX12V3R1 (ALL)**. This should list all the Document Flows available under **Protocol: MX12V3R1 (ALL)**
- ___ 5) Click on the  icon in the row corresponding to Document Flow: **850 (ALL)**.  should be changed to 

Enable the following **Package, Protocol, and Document Flow** by following the instructions below

Package: **None (N/A)**
 Protocol: **EDI-X12 (ALL)**
 Document Flow: **ISA (ALL)**

Perform the following steps under the “Set Target” column of the B2B Capabilities

- ___ 1) Click on the  icon in the row corresponding to **Package: None**.  should be changed to 
- ___ 2) Click on the  icon next to **Package: None** . This should list all the protocols available under **Package:None**.
- ___ 3) Click on the  icon in the row corresponding to **Protocol: EDI-X12 (ALL)**.  should be changed to 
- ___ 4) Click on the  icon next to **Protocol: EDI-X12 (ALL)**. This should list all the Document Flows available under **Protocol: EDI-X12 (ALL)**
- ___ 5) Click on the  icon in the row corresponding to Document Flow: **ISA (ALL)**.  should be changed to 

Profile > TP1 > B2B Capabilities				Document Flow Definition					
Set Source	Set Target	Enabled	Edit	0	1	2	3	4	All
				Package: AS					
		Enabled		Package: None					
				Protocol: Binary (1.0)					
				Protocol: FVT-XML-TEST (ALL)					
				Protocol: ADF-TO-EDI_DICT (ALL)					
				Protocol: DEMO850CL_DICTIONARY (ALL)					
				Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)					
				Protocol: Web Service (1.0)					
				Protocol: cXML (1.2.009)					
				Protocol: EDI-Consent (ALL)					
				Protocol: EDI-EDIFACT (ALL)					
		Enabled		Protocol: EDI-X12 (ALL)					
		Enabled		Document Flow: ISA (ALL)					
				Package: Backend Integration (1.0)					
		Enabled		Package: N/A					
		Enabled		Protocol: EDI-X12 (ALL)					
				Document Flow: ISA (ALL)					
		Enabled		Protocol: MX12V3R1 (ALL)					
		Enabled		Document Flow: 850 (ALL)					

Part 11: Creating Envelope Profile

Note: You have already created the envelope profile “EnvProfile 1” before in the “WPG Basic Configuration” Lab. If not please complete the “WPG Basic Configuration” Lab before you proceed.

Part 12: Creating XML Format

Only Community Operator has the privilege for Creating XML Format.



Unlike the ROD map where you can specify the fields where Source and Target ID's can be picked in the ROD document, the XML to EDI map cannot be used to specify the Source and Target ID fields. So we need to create an XML format.

- ___ 1. Go to **Hub Admin → Hub configuration → XML Formats**
 - ___ a. Click **Create XML Format on** right corner
- ___ 2. Provide the following Values and **Save**.

You will be providing the **XPath** for the Source and Target Business Id's for WPG to locate the ID's in the input document.

Select **Routing Format** as **FVT-XML-TEST ALL**

Select **File Type** as **XML**

Select **Identifier Type** as **Root Tag** and enter **MMDoc** in the text box. MMDoc is the Root Tag

For Schema Attributes:

For **Source Business ID** , Select **Type** as **Element Path** and provide **Value** as **/MMDoc/MMROH/SenderID** . This indicates where in the XML input file, the Source Business ID can be retrieved.

For **Target Business ID** , Select **Type** as **Element Path** and provide **Value** as **/MMDoc/MMROH/ReceiverID**. This indicates where in the XML input file, the Target Business ID can be retrieved.

For **Source Document Flow**, Select **Type** as **Constant** and provide **Value** as **ICGCPO**

For **Source Document Flow Version**, Select **Type** as **Constant** and provide **Value** as **ALL**

Click **Save**.

View XML Format Welcome, Hut

[Manage XML F](#)

Routing Format: *

File Type: *

Identifier Type: * *

Schema Attributes		
Name	Type	Value
Source BusinessId	<input type="text" value="Element Path"/>	<input type="text" value="/MMDoc/MMROH/SenderID"/> *
Target BusinessId	<input type="text" value="Element Path"/>	<input type="text" value="/MMDoc/MMROH/ReceiverID"/> *
Source Document Flow	<input type="text" value="Constant"/>	<input type="text" value="ICGCPO"/> *
Source Document Flow Version	<input type="text" value="Constant"/>	<input type="text" value="ALL"/> *
Document Identifier	Element Path	<input type="text"/>
Document Timestamp	Element Path	<input type="text"/>
Duplicate Check Key 1	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 2	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 3	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 4	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 5	<input type="text" value="Element Path"/>	<input type="text"/>

Alternative way to specify the source and target business id's is to hard code the values in the XML Format. You can do that by providing the values in the following picture.

View XML Format

Routing Format: *

File Type: *

Identifier Type: * *

Schema Attributes		
Name	Type	Value
Source BusinessId	<input type="text" value="Constant"/>	<input type="text" value="123456789"/> *
Target BusinessId	<input type="text" value="Constant"/>	<input type="text" value="987654321"/> *
Source Document Flow	<input type="text" value="Constant"/>	<input type="text" value="ICGCPO"/> *
Source Document Flow Version	<input type="text" value="Constant"/>	<input type="text" value="ALL"/> *
Document Identifier	Element Path	<input type="text"/>
Document Timestamp	Element Path	<input type="text"/>
Duplicate Check Key 1	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 2	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 3	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 4	<input type="text" value="Element Path"/>	<input type="text"/>
Duplicate Check Key 5	<input type="text" value="Element Path"/>	<input type="text"/>

Providing XPath is more generic way than hard coding the Source and Target Id's in the XML Format.


Part 13: Creating Participant Connections

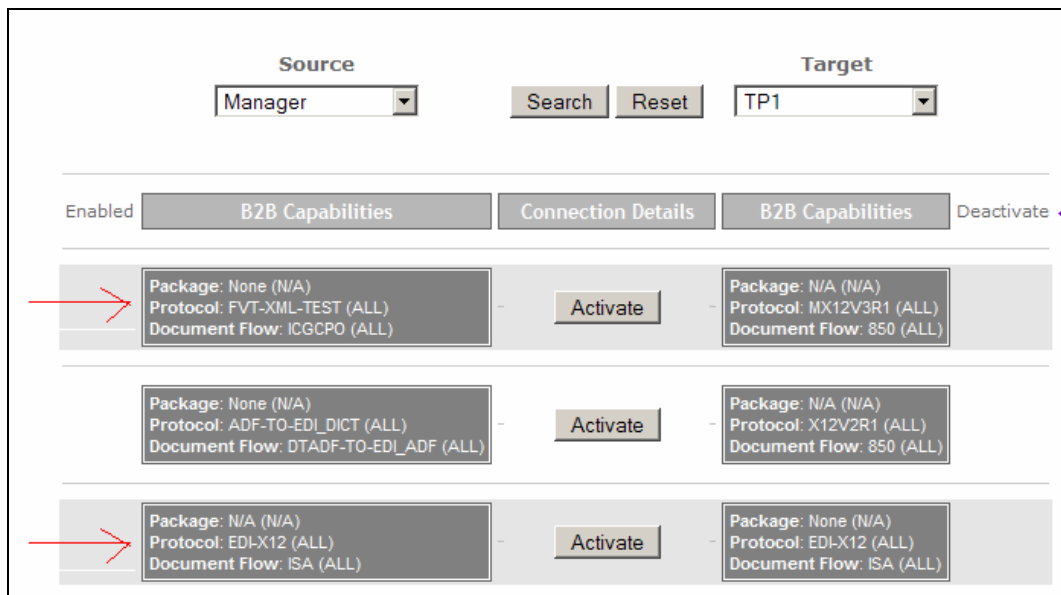
Participant Connections can be enabled by Community Operators and Community Manager



1. Creating Participant connections

a. Go to **Account Admin** → **Participant Connections**

- ___ 1) Select **Manager** from the Source drop down menu.
- ___ 2) Select **TP1** from the Target drop down menu.
- ___ 3) Click on **Search**. You will see all the connections available.
- ___ 4) Based on prior connections, there may be other connections that are not needed for this scenario.
- ___ 5) De Activate the Connections that are green by clicking on the  icon
- ___ 6) You should atleast have the two connections that are highlighted by red arrow in the following picture.



Source	Search	Reset	Target
Manager			TP1
Enabled	B2B Capabilities	Connection Details	B2B Capabilities Deactivate
Package: None (N/A) Protocol: FVT-XML-TEST (ALL) Document Flow: ICGCPO (ALL)	Activate		Package: N/A (N/A) Protocol: MX12V3R1 (ALL) Document Flow: 850 (ALL)
Package: None (N/A) Protocol: ADF-TO-EDI_DICT (ALL) Document Flow: DTADF-TO-EDI_ADF (ALL)	Activate		Package: N/A (N/A) Protocol: X12V2R1 (ALL) Document Flow: 850 (ALL)
Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Flow: ISA (ALL)	Activate		Package: None (N/A) Protocol: EDI-X12 (ALL) Document Flow: ISA (ALL)

The participant connection **None(N/A) : FVT-XML-TEST(ALL) : ICGCPO(ALL) to N/A(N/A) : MX12V3R1(ALL) : 850(ALL)** is used for transforming the incoming XML document to EDI message(850 in this case) and envelope it

The participant connection **N/A(N/A) : EDI-X12(ALL) : ISA(ALL) to None(N/A) : EDI-X12(ALL) : ISA(ALL)** is used to send the enveloped 850 message to the Target Partner.




- ___ 7) Click on **Activate** button corresponding to each connection to activate the connection. It should turn to green indicating it is activated

Source		Target	
Manager	Search Reset	TP1	
abled	B2B Capabilities	Connection Details	B2B Capabilities Deactivate
✓	Package: None (N/A) Protocol: FVT-XML-TEST (ALL) Document Flow: ICPCPO (ALL)	Attributes Actions Gateways Attributes	Package: N/A (N/A) Protocol: MX12V3R1 (ALL) Document Flow: 850 (ALL) ✗
	Package: None (N/A) Protocol: ADF-TO-EDI_DICT (ALL) Document Flow: DTADF-TO-EDI_ADF (ALL)	Activate	Package: N/A (N/A) Protocol: X12V2R1 (ALL) Document Flow: 850 (ALL)
✓	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Flow: ISA (ALL)	Attributes Actions Gateways Attributes Add Connection Profile	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Flow: ISA (ALL) ✗

Part 14: Configuring the Attributes

Configuring B2B Capabilities attributes on the Target Trading Partner




We need to specify the Envelope Profile to be used for enveloping then EDI messages and the partner ID to be used in ISA interchange

- ___ 1. Go to **Account Admin → Profiles → Community Participant** and click on Search icon. This should list all the Participants created
 - ___ a. Select the Target Trading Partner you created for this scenario by clicking on the  icon. In this document the Target Trading Partner is **TP1**
- ___ 2. Click on **B2B Capabilities** menu item
 - ___ a. Click on the icon  next to **Package: N/A.**
 - ___ b. Click on icon  next to **Protocol: MX12V3R1 (ALL)**. This should open a page where can change the attributes
 - ___ a. Locate the **Envelope Profile** attribute and select **EnvProfile 1** from the drop down menu
 - ___ b. Locate **Interchange Qualifier** attribute and provide **01** as the value
 - ___ c. Locate **Interchanger identifier** attribute and provide **987654321** as the value
 - ___ d. Locate **Interchange usage indicator** attribute and provide **T** as the value.
 - ___ e. Click **Save**

Envelope Profile	Envelope Profile	EnvProfile 1	Locally Assigned	EnvProfile 1 <input type="checkbox"/>
Max validation error level	Max validation error level	No value provided	No value provided	Select one to update <input type="checkbox"/>
Validation level	Validation level	No value provided	No value provided	Select one to update <input type="checkbox"/>
Char set validation table	Char set validation table	No value provided	No value provided	<input type="text"/>
Alphanumeric validation table	Alphanumeric validation table	No value provided	No value provided	<input type="text"/>
Generate group level info only in functional Ack	Generate group level info only in functional Ack	No value provided	No value provided	Select one to update <input type="checkbox"/>
Century control year	Century control year	No value provided	No value provided	<input type="text"/>
Detailed validation of segment	Detailed validation of segment	No value provided	No value provided	Select one to update <input type="checkbox"/>
Connection Profile Qualifier1	Connection Profile Qualifier1	No value provided	No value provided	<input type="text"/>
Interchange qualifier	Interchange qualifier	01	Locally Assigned	01 <input type="checkbox"/>
Interchange Identifier	Interchange Identifier	000000001	Locally Assigned	987654321 <input type="checkbox"/>
Interchange usage indicator	Interchange usage indicator	T	Locally Assigned	T <input type="checkbox"/>

Configuring B2B Capabilities attributes on the Source Trading Partner

We need to specify the ID that goes in as part of the ISA interchange. This ID is used as the Sending Partner ID in the ISA Interchange

- ___ 1. Go to **Account Admin → Profiles → Community Participant** and click on Search icon. This should list all the Participants created
 - ___ a. Select the Source Trading Partner you created for this scenario by clicking on the  icon. In this document the Source Trading Partner is **Manager**
- ___ 2. Click on **B2B Capabilities** menu item
 - ___ a. Click on the icon  next to **Package: N/A.**
 - ___ b. Click on icon  next to **Protocol: MX12V3R1 (ALL)**. This should open a page where can change the attributes
 - ___ c. Locate the **Envelope Profile** attribute and select **EnvProfile 1** from the drop down menu
 - ___ d. Locate **Interchange Qualifier** attribute and provide **01** as the value
 - ___ e. Locate **Interchanger identifier** attribute and provide **123456789** as the value
 - ___ f. Locate **Interchange usage indicator** attribute and provide **T** as the value.
 - ___ g. Click **Save**

Interchange qualifier	Interchange qualifier	No value provided	No value provided	<input type="text" value="01"/>	<input type="checkbox"/>
Interchange Identifier	Interchange Identifier	No value provided	No value provided	<input type="text" value="123456789"/>	<input type="checkbox"/>
Interchange usage indicator	Interchange usage indicator	No value provided	No value provided	<input type="text" value="T"/>	<input type="checkbox"/>

Part 15: Running the Scenario

- ___ 1. Go to <LAB_FILES> directory
- ___ 2. Open the xml2edi.inp file and look for

<SenderID e-dtype="string">123456789</SenderID>

<ReceiverID e-dtype="string">987654321</ReceiverID>

Change the id's of Source and Receiver (Target) Participants if necessary. The Lab input file is already edited to include the manger and TP1 id's.

- ___ 3. Copy the xml2edi.inp into the **C:\WPGLabs\xmlfiletarget\Documents\Production** directory.
- ___ 4. The XML should be translated to 850 transaction
- ___ 5. The 850 transaction is enveloped

The status of the document in the system can be viewed by using the Document Viewer

Go to **Viewers** → **Document Viewer**

Provide the approximate start time when you actually started this transaction and click on Search

Document Viewer						Welcome, Hub Administrat
						Show Criteria
Page 1 of 1						Total Rows: 4
Beginning	Back 10 Pages	Back 1 Page	1	Forward 1 Page	Forward 10 Pages	End
<input type="button" value="Resend"/>						
Participants	Time Stamps	Document Flow	Gateway Type	Synchronous	Status	
Document ID: 000000005						
Doc Time Stamp: 050316-0747						
<input type="checkbox"/> Source: Manager	In: 3/16/05 7:47:34 PM (0.535 kb)	EDI-X12 (ALL) ISA: ISA (ALL)				
<input type="checkbox"/> Target: TP1	Out: 3/16/05 7:47:36 PM (0.535 kb)	EDI-X12 (ALL) ISA: ISA (ALL)	Production			
Document ID: -						
Doc Time Stamp: -						
<input type="checkbox"/> Source: Manager	In: 3/16/05 7:46:34 PM (4.485 kb)	FVT-XML-TEST (ALL) ICGCPO: ICGCPO (ALL)				
<input type="checkbox"/> Target: TP1	Out: 3/16/05 7:46:38 PM (4.485 kb)	MX12V3R1 (ALL) 850: 850 (ALL)	Production			

- ___ 6. After this, the enveloped document is sent to the destination filegateway
- ___ 7. The destination file gateway location is **C:\WPGLabs\TP1\filegateway**

What you did in this exercise

In this exercise, you have created a target associated and XML splitter handler, created two trading partners, created gateways, enabled B2B capabilities and created participant connections necessary for source trading partner to be able to send an XML document, which is translated to EDI transaction and is then enveloped and sent to destination trading partner gateway.

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