IBM Software Group

WebSphere Partner Gateway v6.2.x: EDI TO XML Transformation With FA

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WPG L2 Support
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WebSphere® Support Technical Exchange

ON DEMAND BUSINESS™

Agenda (1 of 3)

-
- **Download EDI Standard**
- **Create XML Schema**
- **Use the DIS Client to create the EDI To XML map:**
  - **Import Standard into DIS Database**
  - **Create definitions for the XML document:**
    - **Create the XML Dictionary**
    - **Import the XML Schema into the XML Dictionary**
  - **Create the data transformation map**
  - **Compile the map**
  - **Export the map to eif file**

Agenda (2 of 3)

- **Use WPG Console to create the transaction flow artifacts:**
  - Import EDI to XML map control string to create flow interaction
  - Associate FA map
  - Create Interactions
  - Enable B2B capabilities for trading partners
  - Create Envelope Profile
  - Activating connections
  - Configuring Attributes

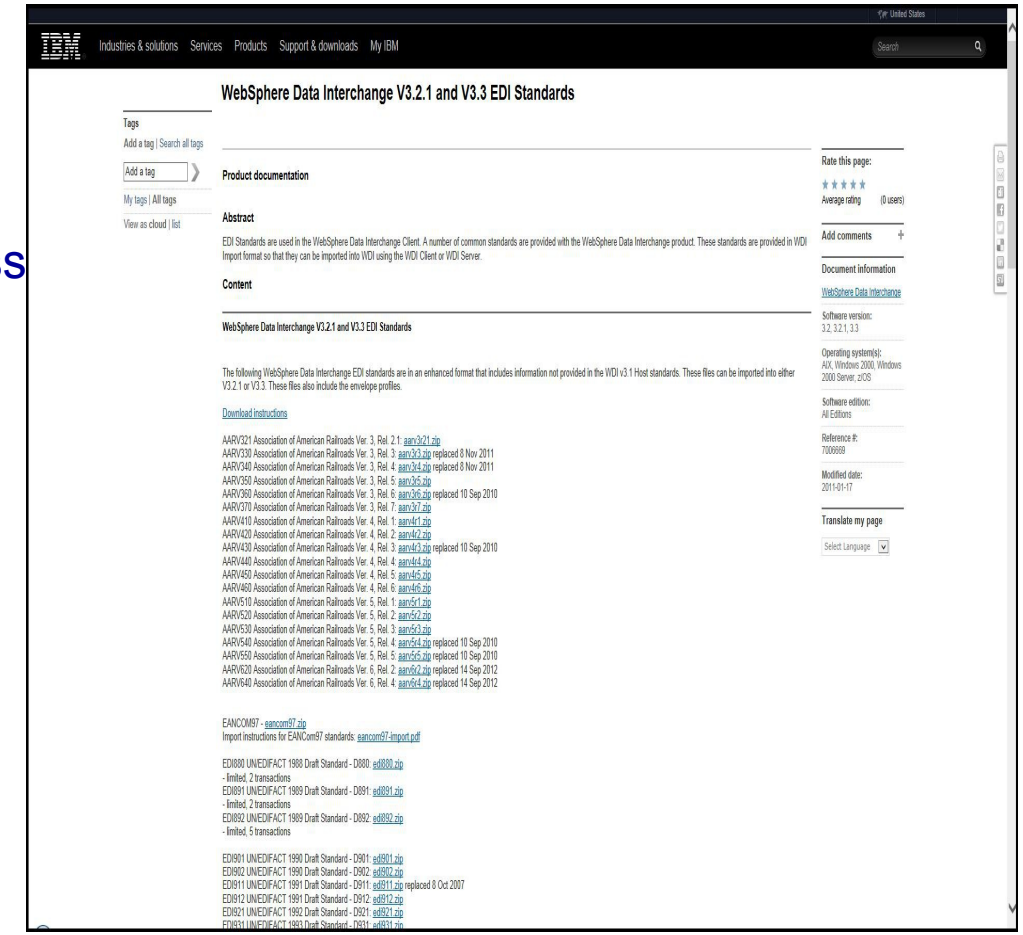
Agenda (3 of 3)

- **Run Transaction**
  - Receiver Setup
  - Allow Duplicate Document Id's
  - Input file
  - Place input file into File Directory Receiver
  - Check Document Viewer for Transaction

Download EDI Standards

Download the EDI Standards 1/2

- Download the specific EDI standards from:
  - http://www.ibm.com/support/docview.wss=swg27006669
- In our case the following files need to be downloaded:
  - x12v4r1.zip (850)



Download the EDI Standards 2/2

- Unzip the packages to obtain the .eif files:
  - x12v4r1.eif (850)
- Upload the specific .eif file on to the DIS Client to create the EDI TO XML map

Create XML Schema

Define the XML output document structure

PO.xsd - Notepad

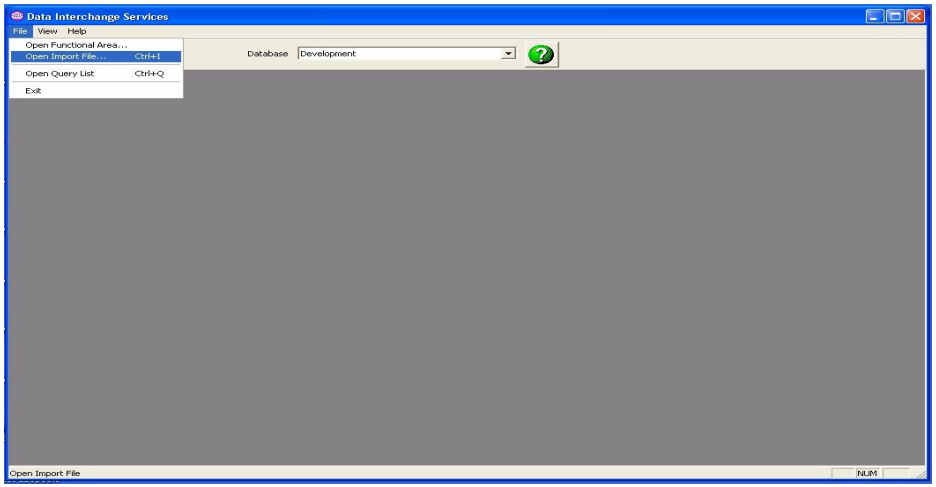
File Edit Format View Help

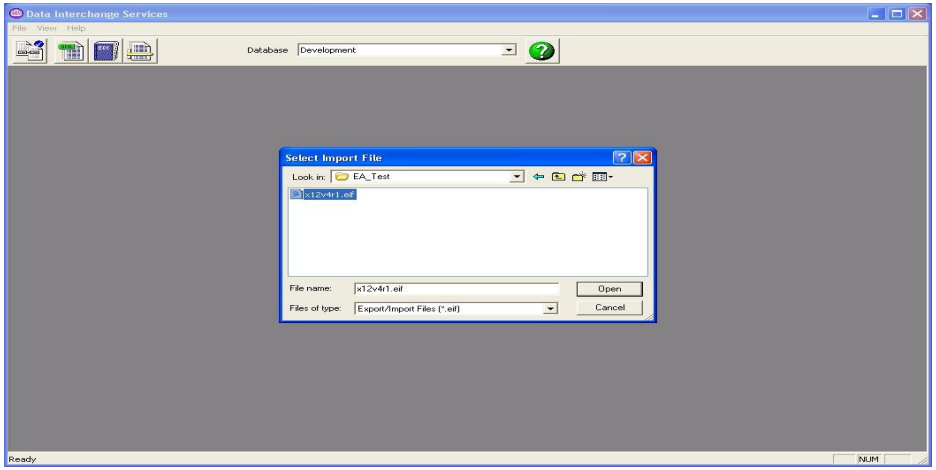
```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">

        <xsd:element name="purchaseOrder" type="order" />

        <xsd:complexType name="order">
                <xsd:sequence>
                        <xsd:element name="orderHeader" type="header"/>
                        <xsd:element name="lineDetail" type="detail" minOccurs="0" maxOccurs="unbounded" />
                        <xsd:element name="orderTrailer" type="trailer" />
                </xsd:sequence>
        </xsd:complexType>

        <xsd:complexType name="header">
                <xsd:sequence>
                        <xsd:element name="customerNumber" type="xsd:string"/>
                        <xsd:element name="orderNumber" type="xsd:string"/>
                        <xsd:element name="orderDate" type="xsd:string"/>
                        <xsd:element name="supplierNumber" type="xsd:string"/>
                </xsd:sequence>
        </xsd:complexType>

        <xsd:complexType name="detail">
                <xsd:sequence>
                        <xsd:element name="lineNumber" type="xsd:string"/>
                        <xsd:element name="itemDesc" type="xsd:string"/>
                        <xsd:element name="quantity" type="xsd:string"/>
                        <xsd:element name="unitPrice" type="xsd:string"/>
                </xsd:sequence>
        </xsd:complexType>

        <xsd:complexType name="trailer">
                <xsd:sequence>
                        <xsd:element name="totalDollars" type="xsd:string"/>
                        <xsd:element name="totalQuantity" type="xsd:string"/>
                </xsd:sequence>
        </xsd:complexType>

</xsd:schema>
```

Use DIS Client to Create EDI TO XML Map

Import x12v4r1.eif into the DIS database 1/3

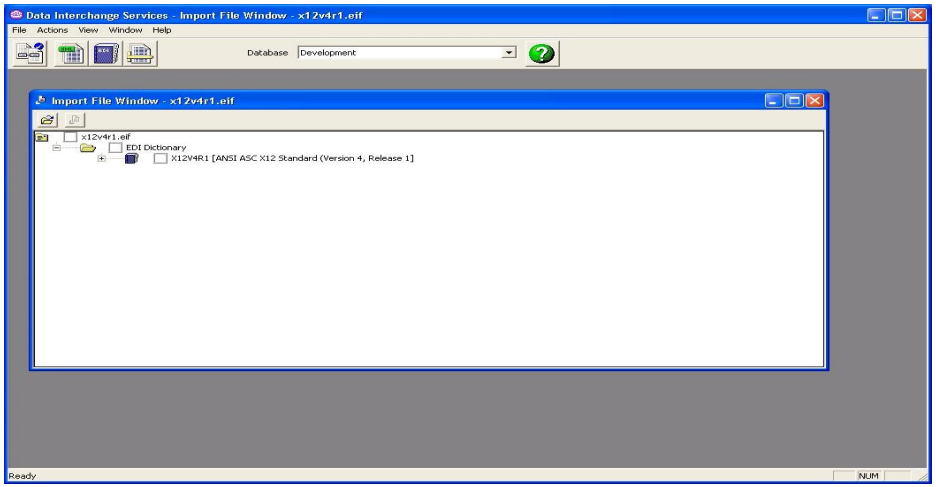
- Select "File->Open Import File", to import the x12v4r1.eif



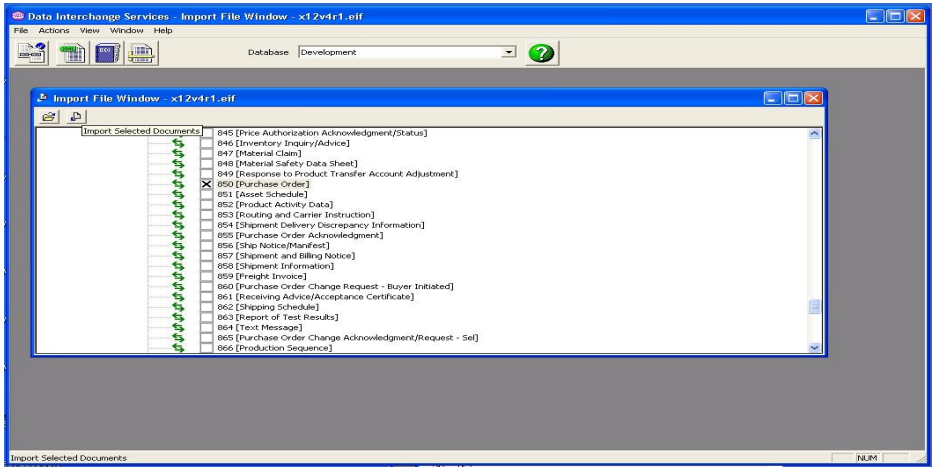


Import x12v4r1.eif into the DIS database 2/3

- Expand the X12V4R1

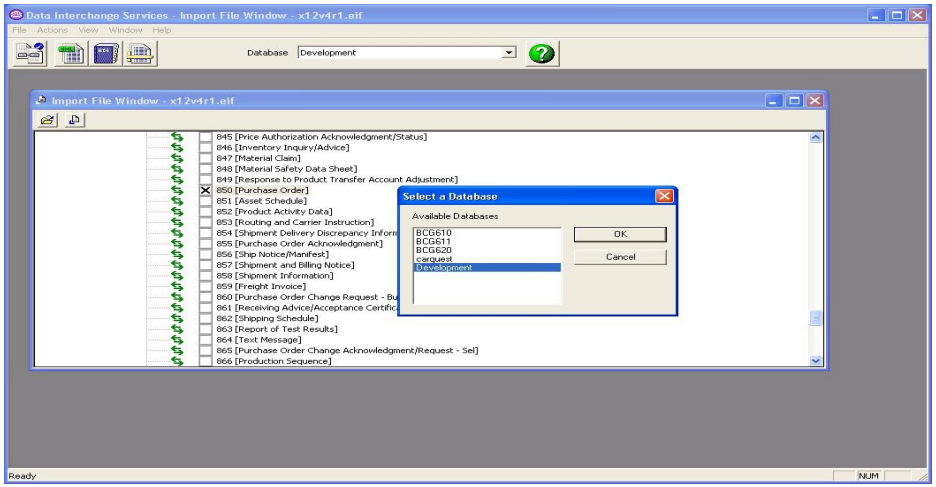


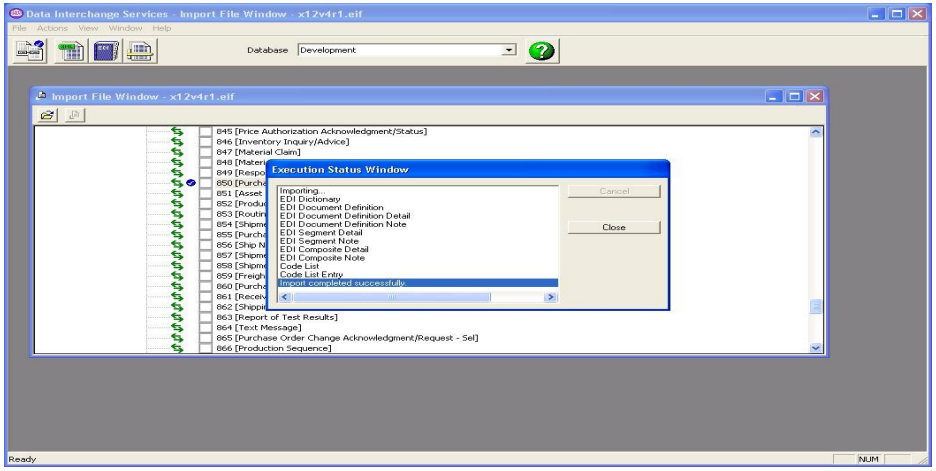
- Select the 850PO



Import x12v4r1.eif into the DIS database 3/3

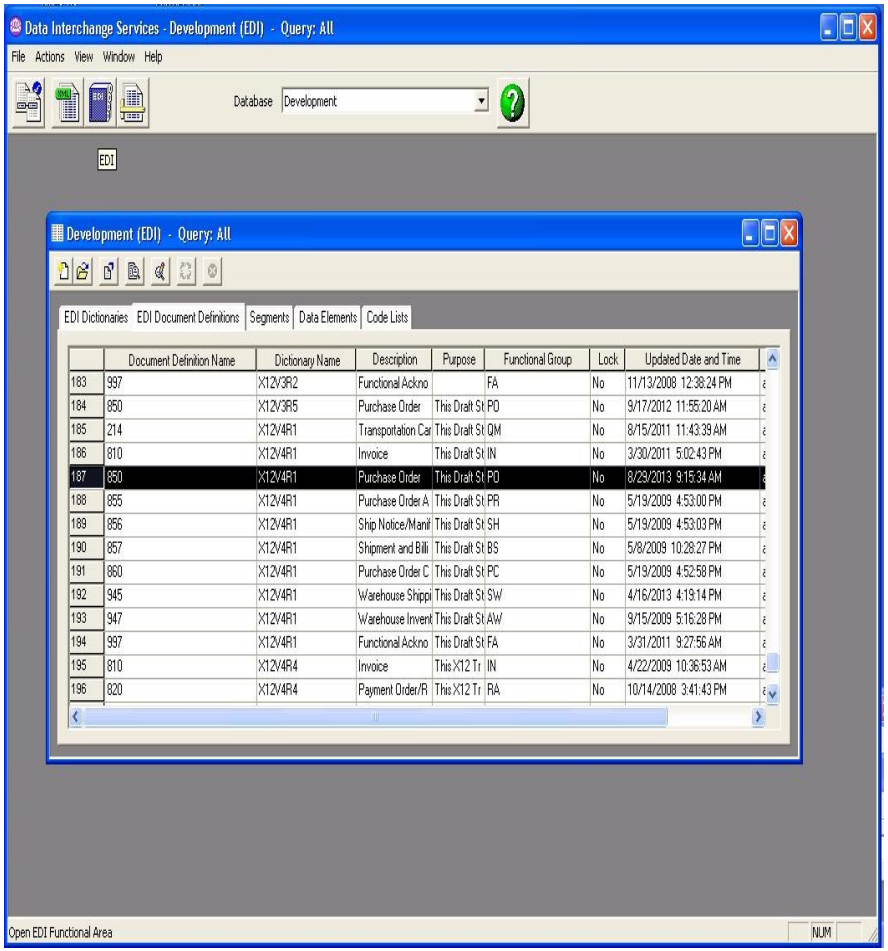
- Import object into the DIS “development” DB
- Wait for the completion message "Import completed successfully“
- Close the "Import File" window



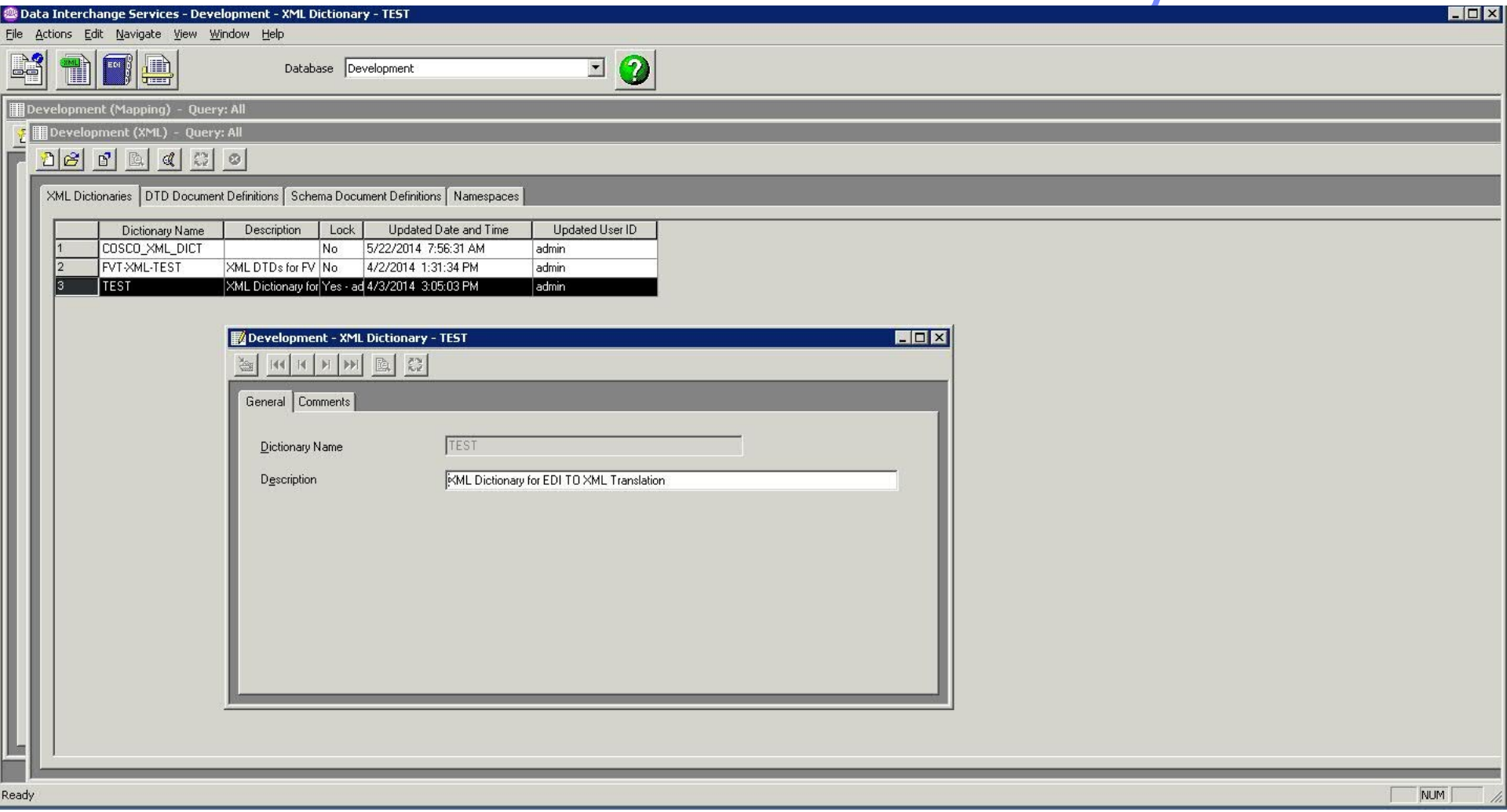


Verify the 850 object has been imported

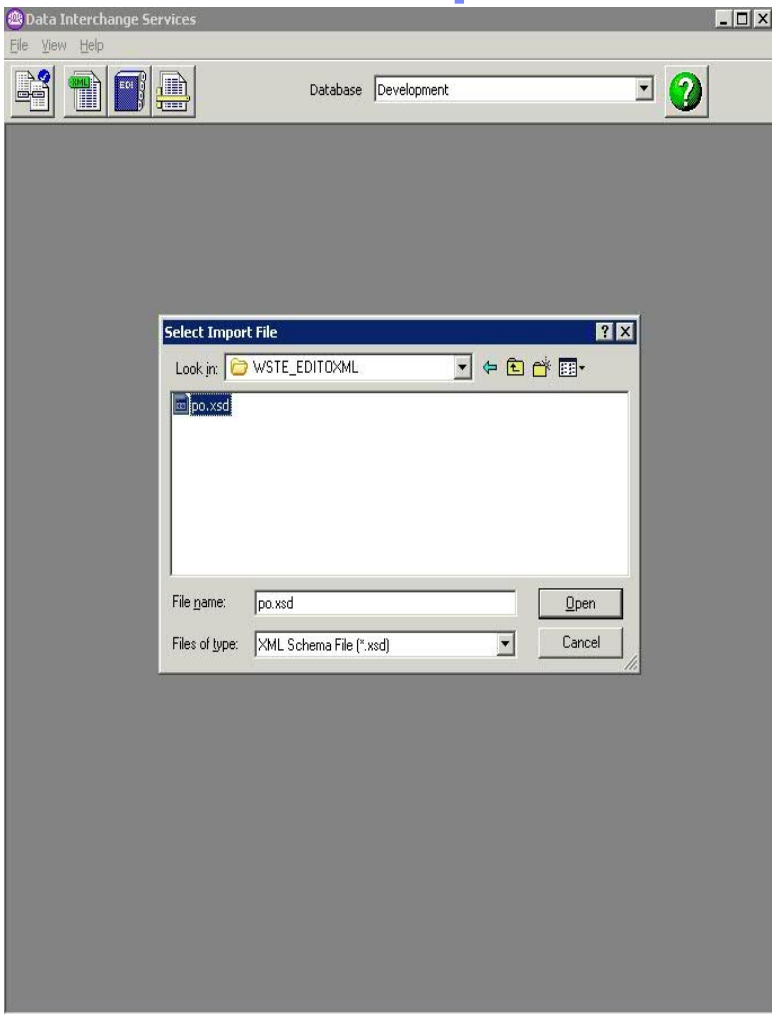
- Click the "EDI" icon to display the "Development (EDI)" window
- Click the "EDI Document Definitions" tab
- Locate the newly imported 850 X12V4R1
- Close this window

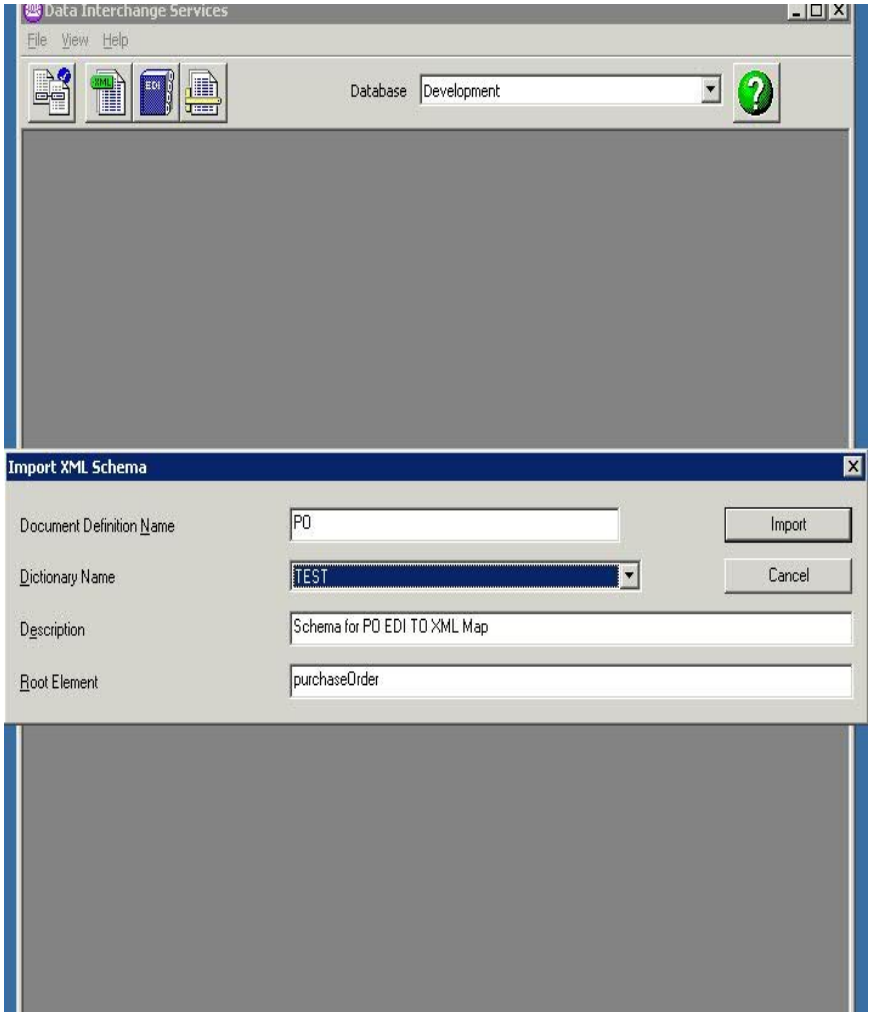


Create a XML Dictionary

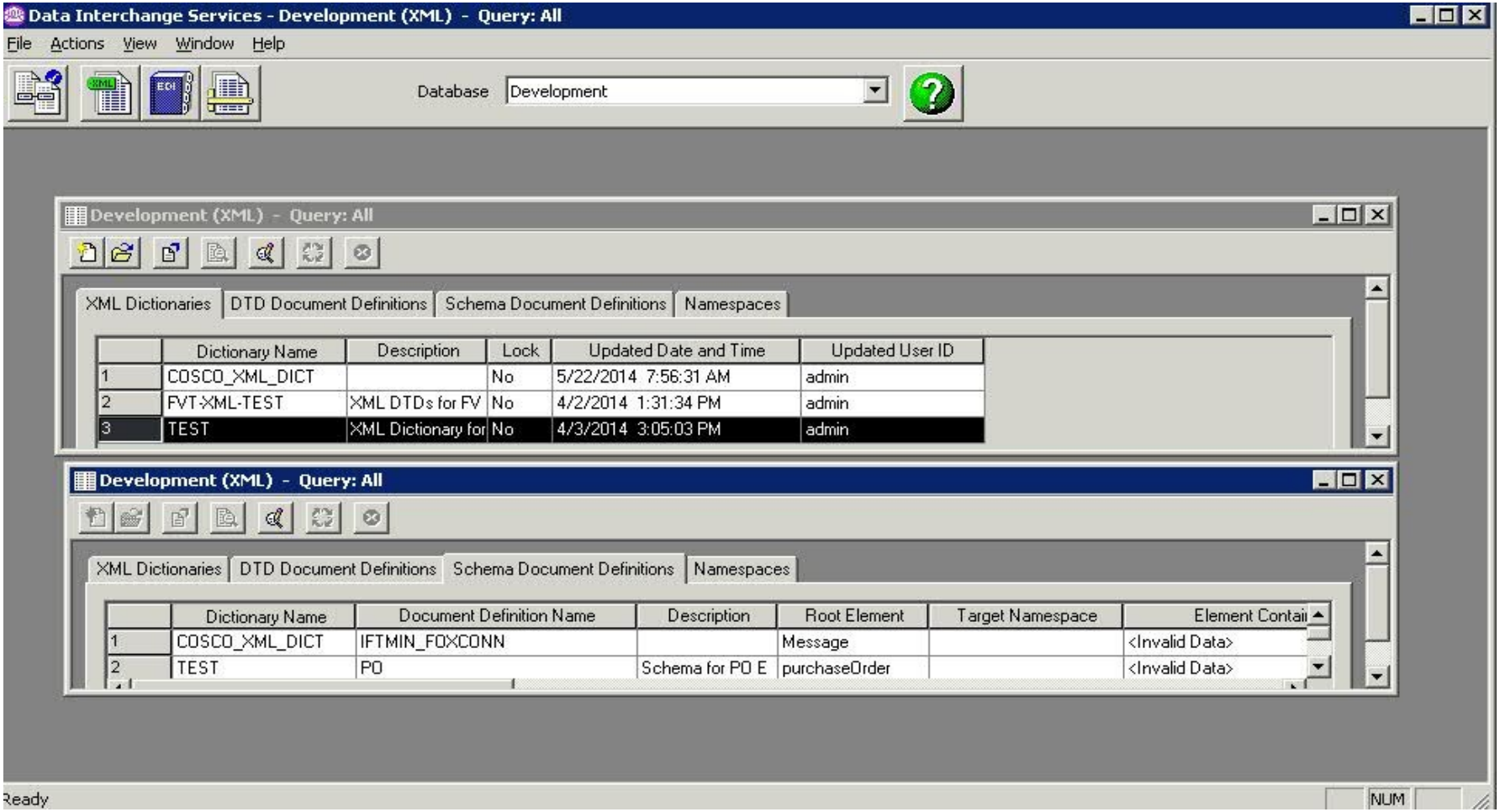


Import XML schema

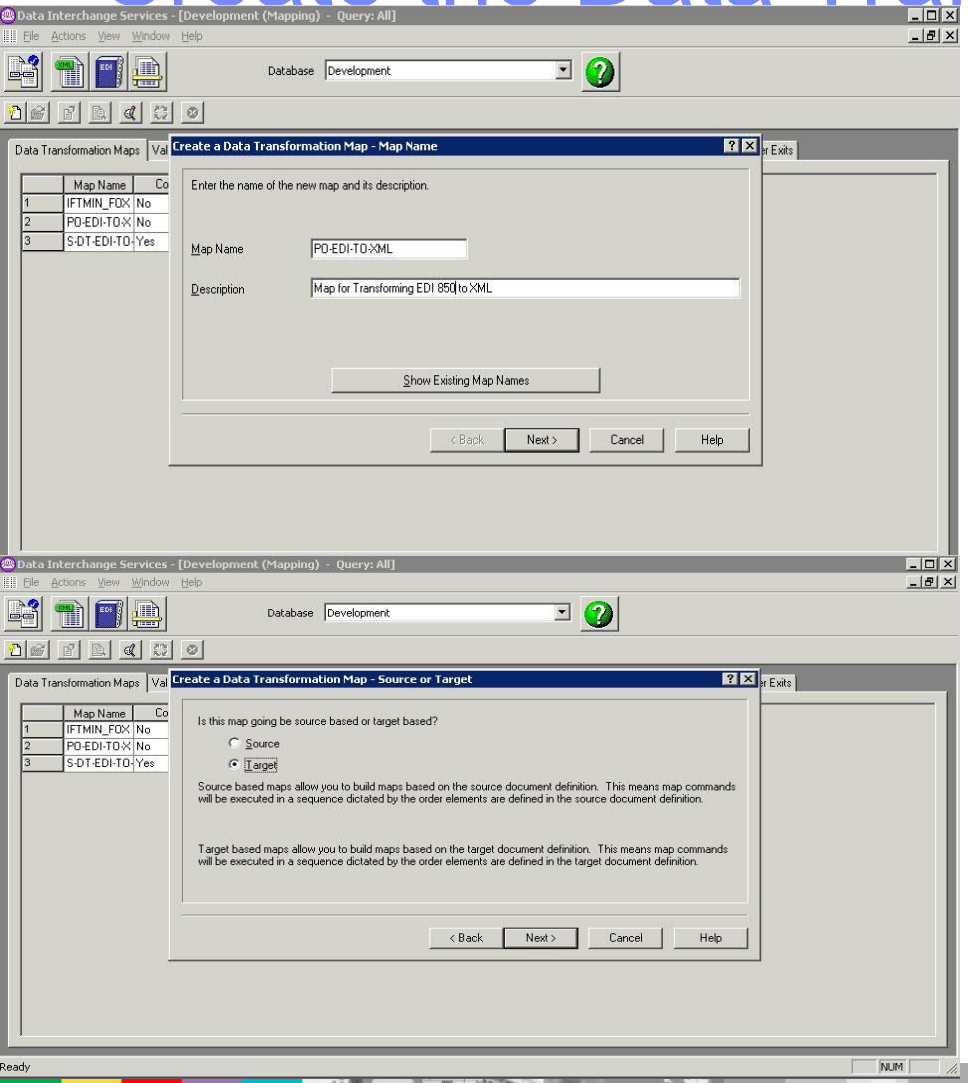


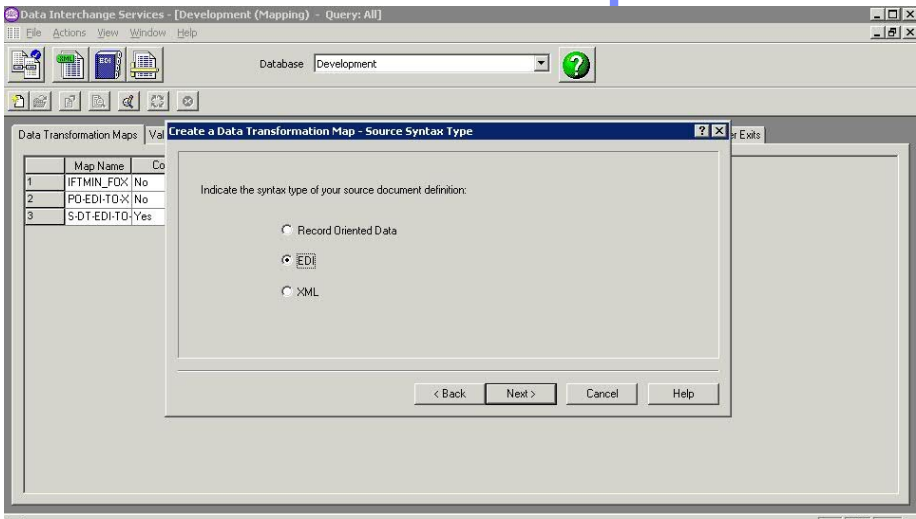


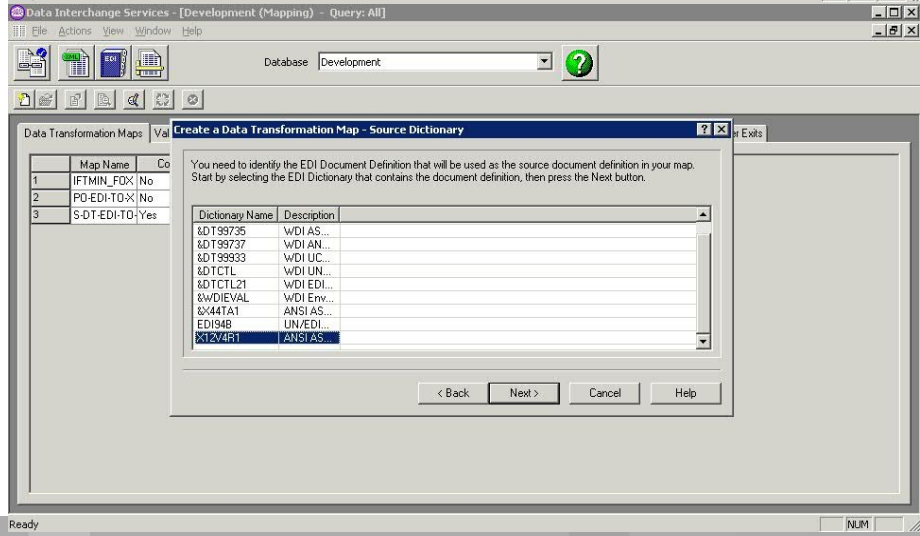
Summary XML definitions



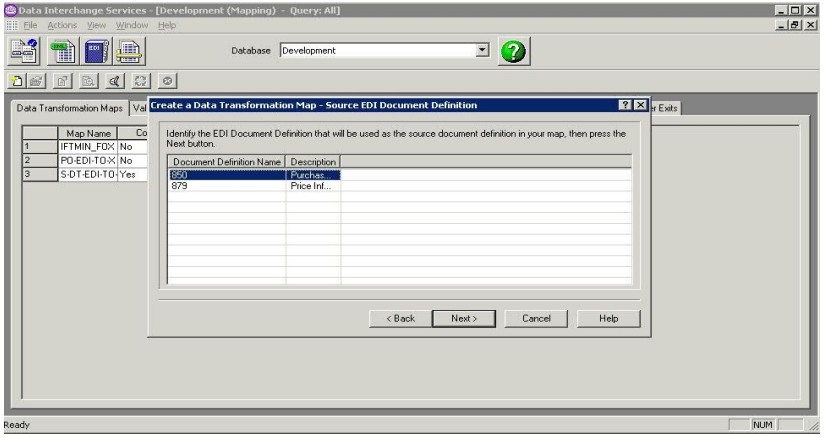
Create the Data Transformation Map 1/6

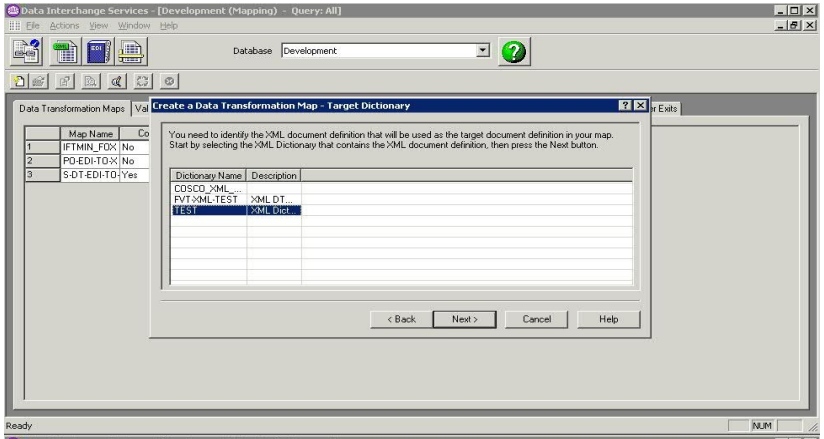


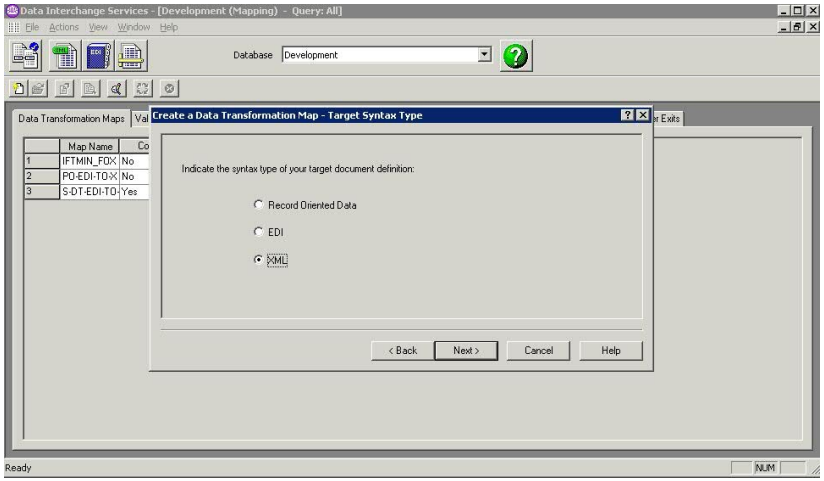


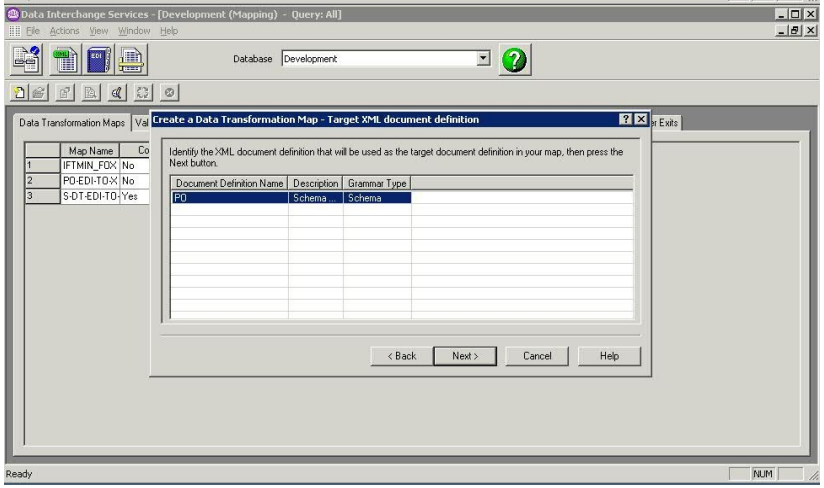


Create the Data Transformation Map 2/6

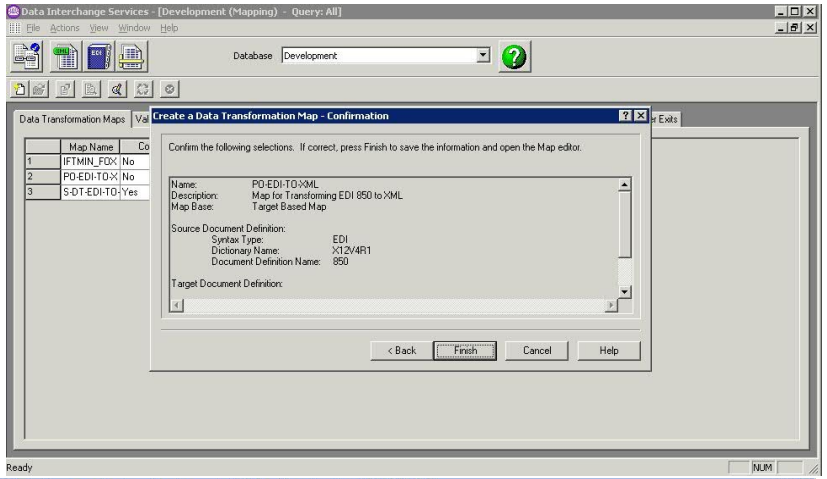


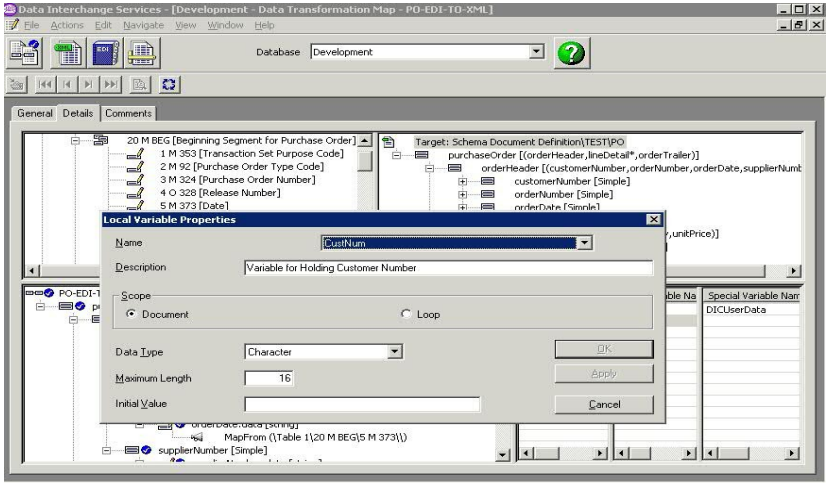


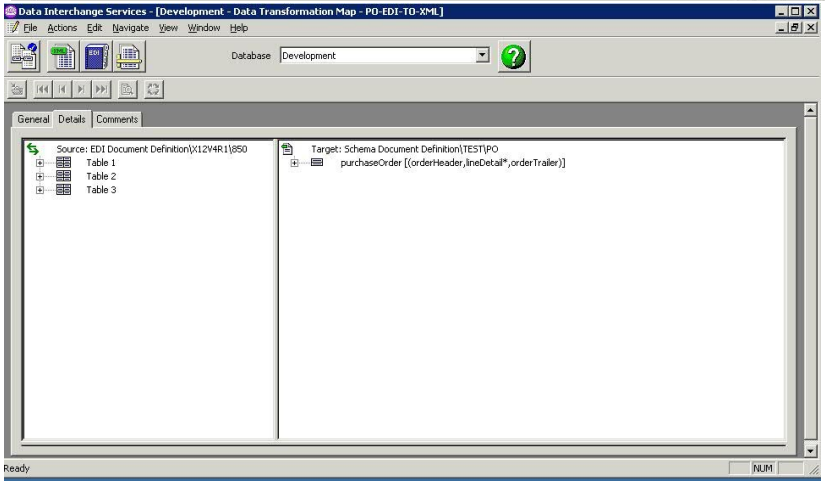


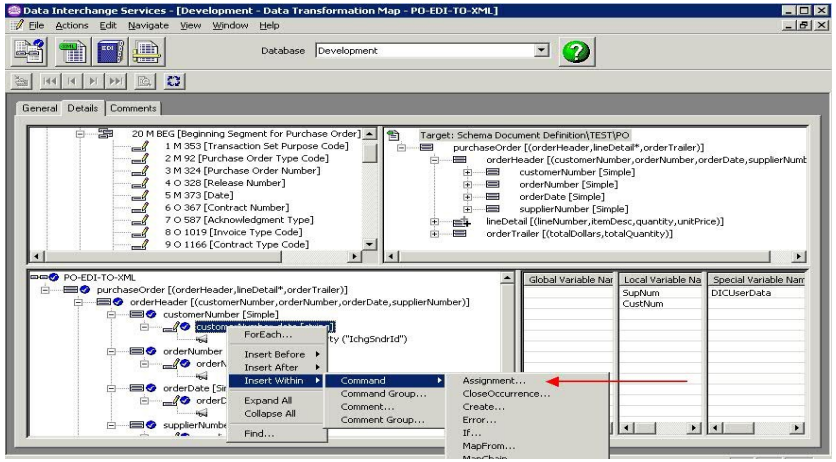


Create the Data Transformation Map 3/6

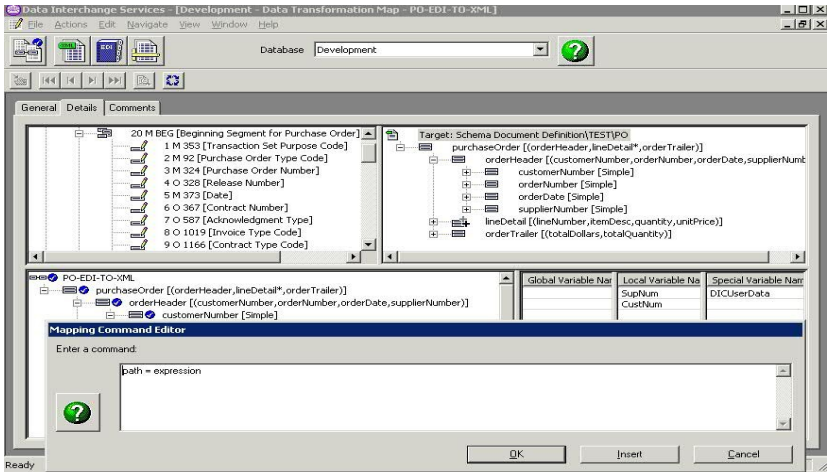


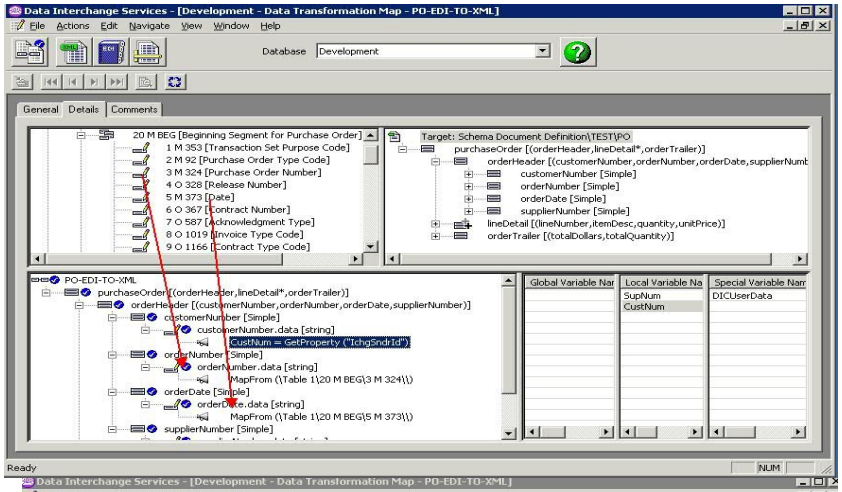


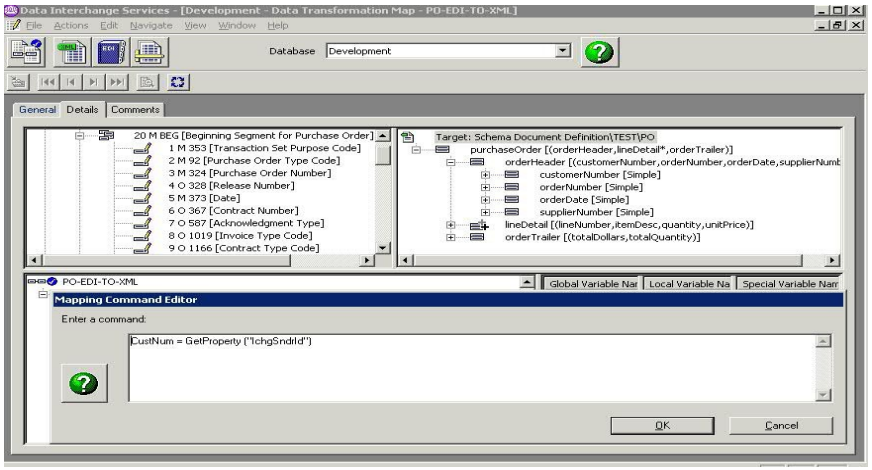


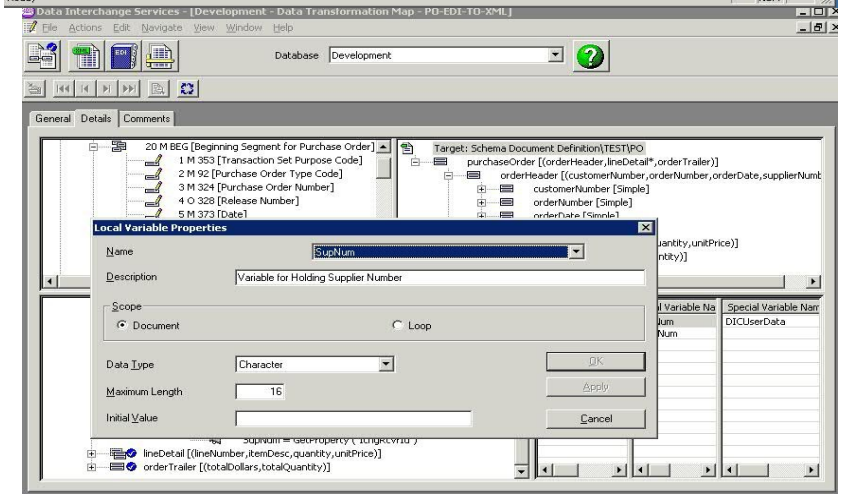


Create the Data Transformation Map 4/6

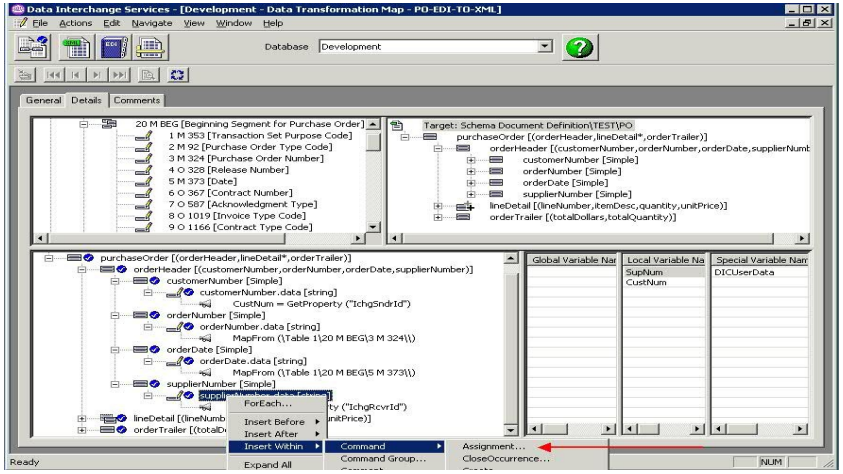


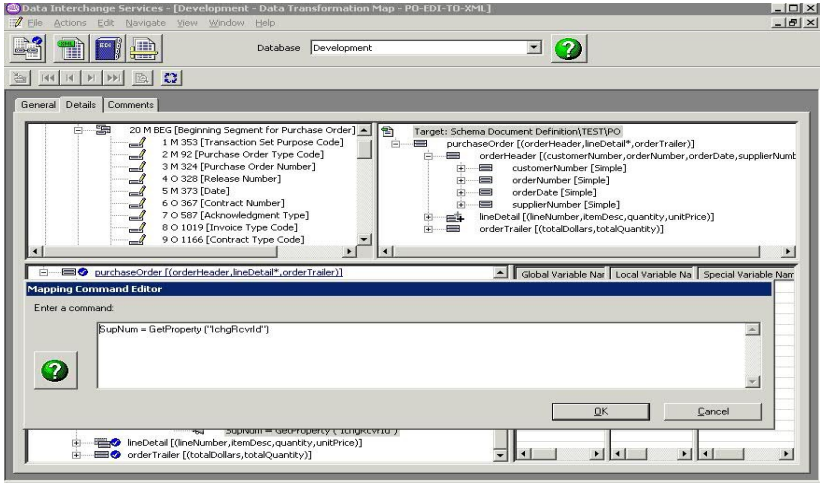


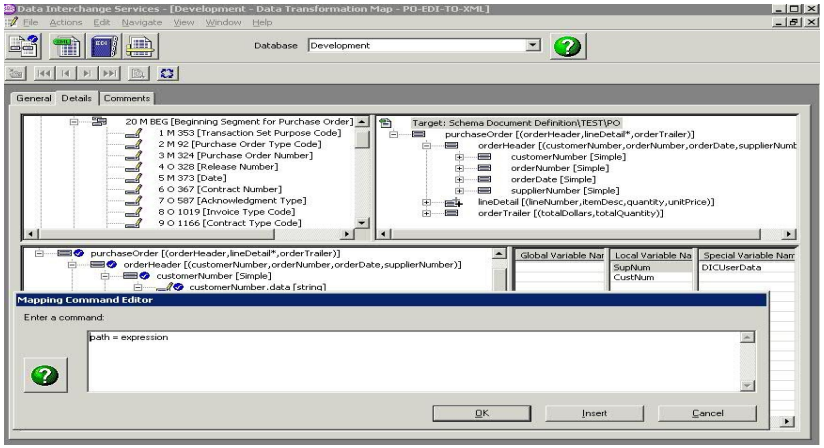


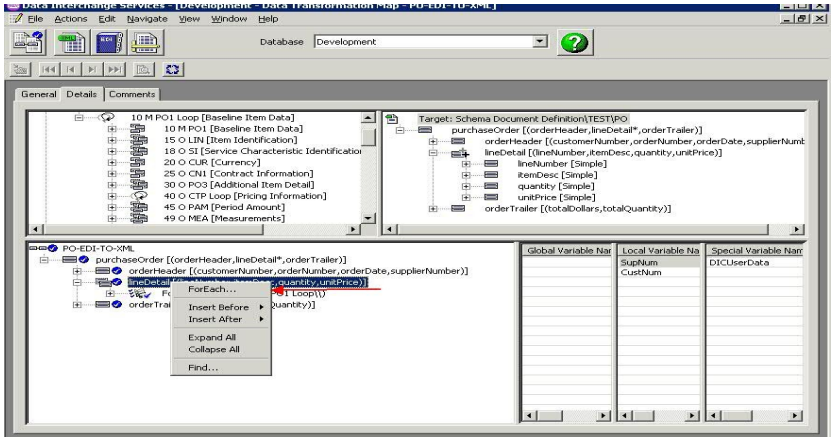


Create the Data Transformation Map 5/6

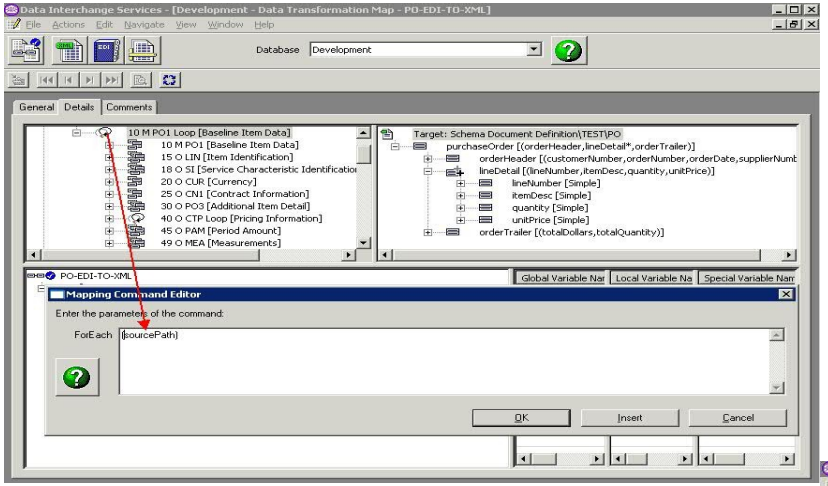


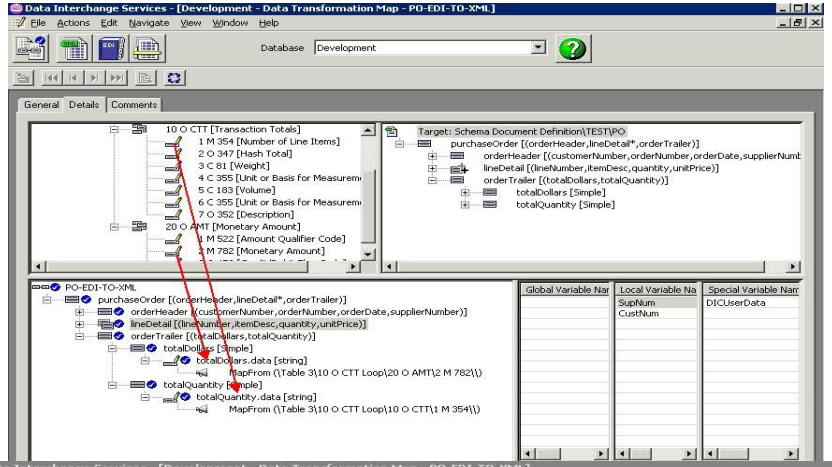


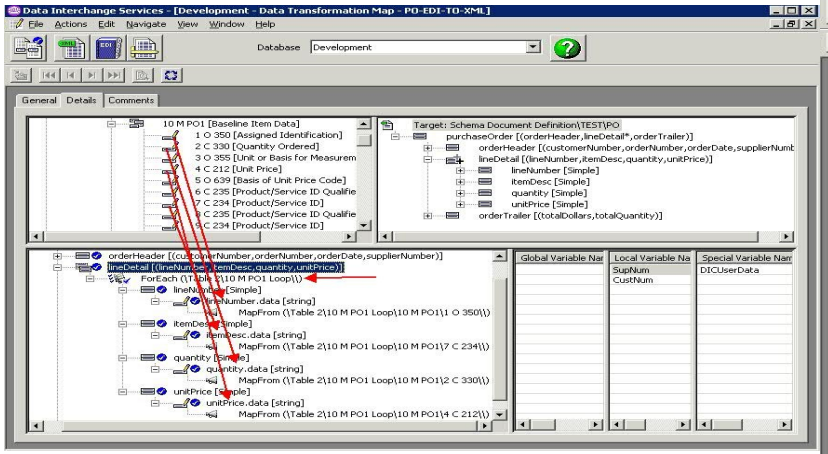


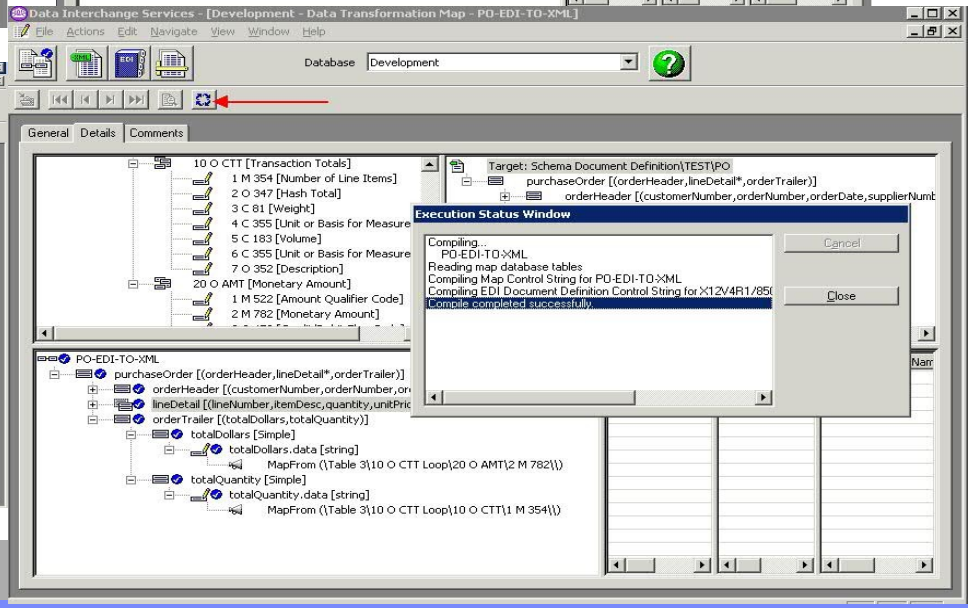


Create the Data Transformation Map 6/6

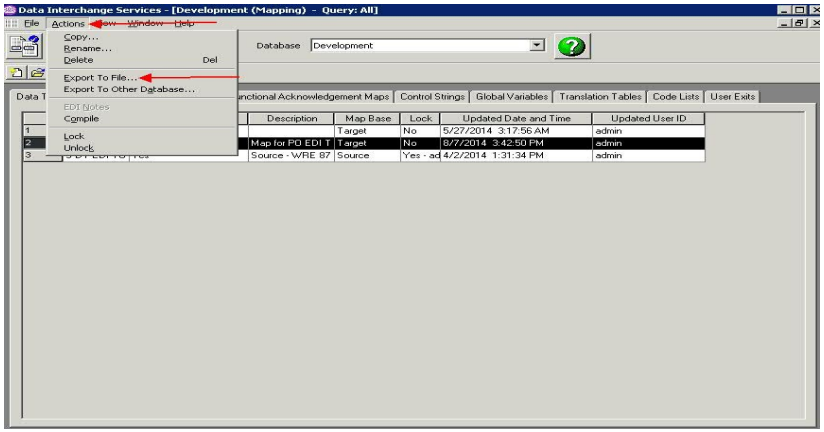


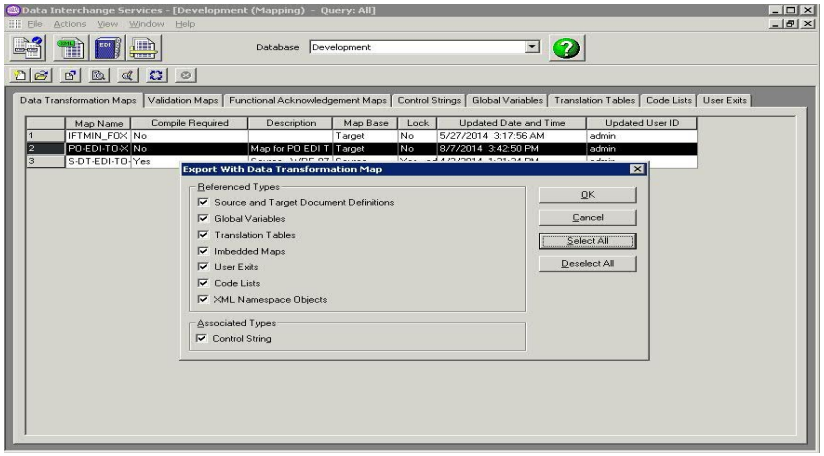


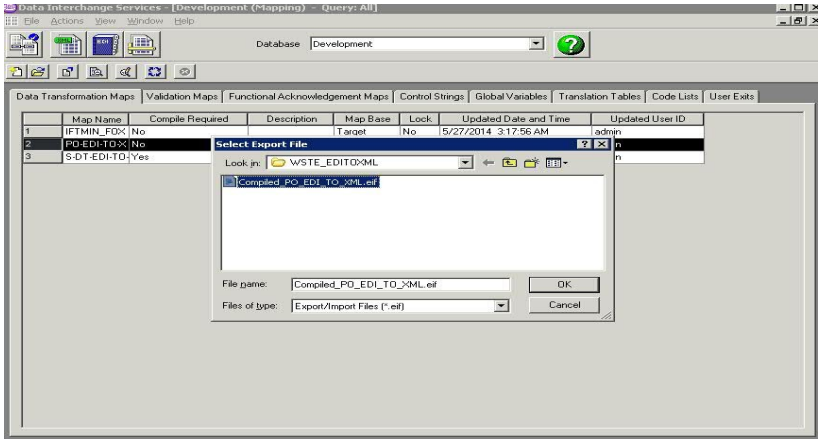


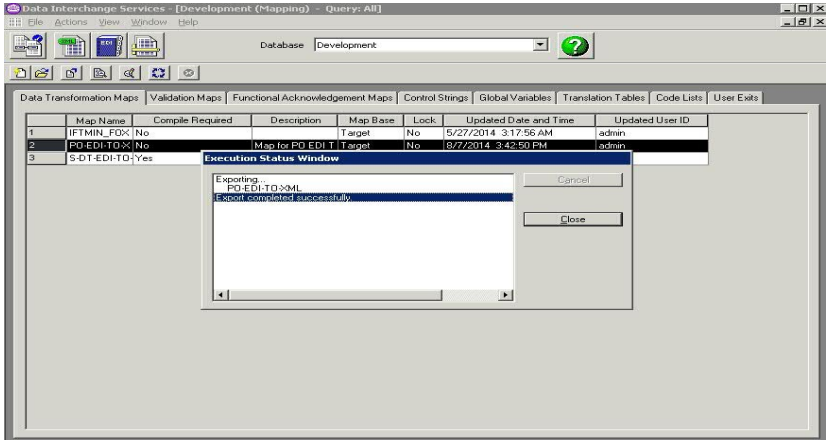


Export the Data Transformation Map



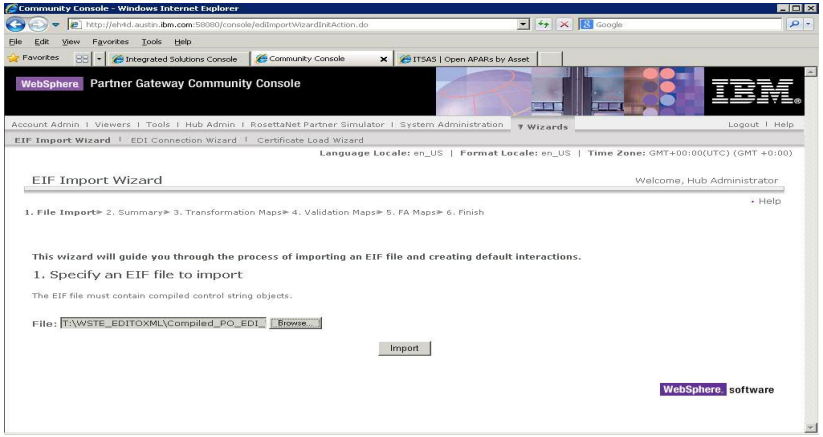


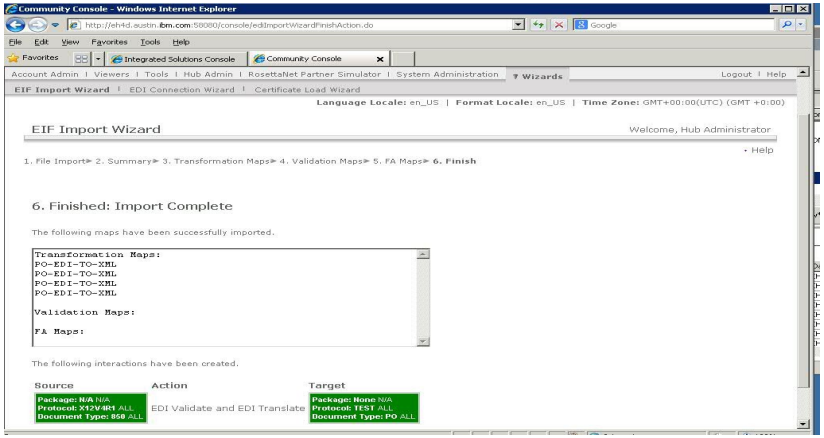


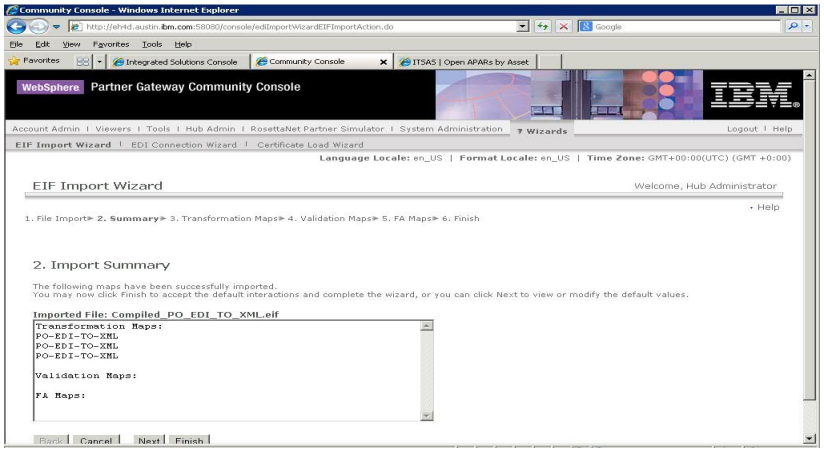


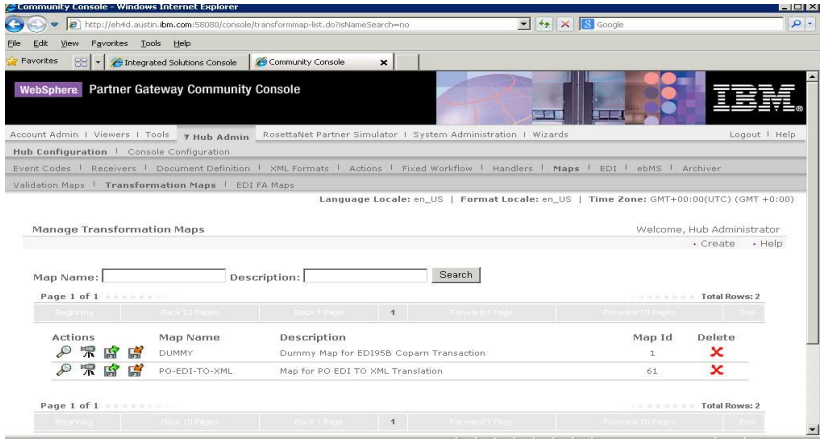
USE WPG Console To Create The Transaction Flow Artifacts

Import EDI to XML map control string to create flow interaction

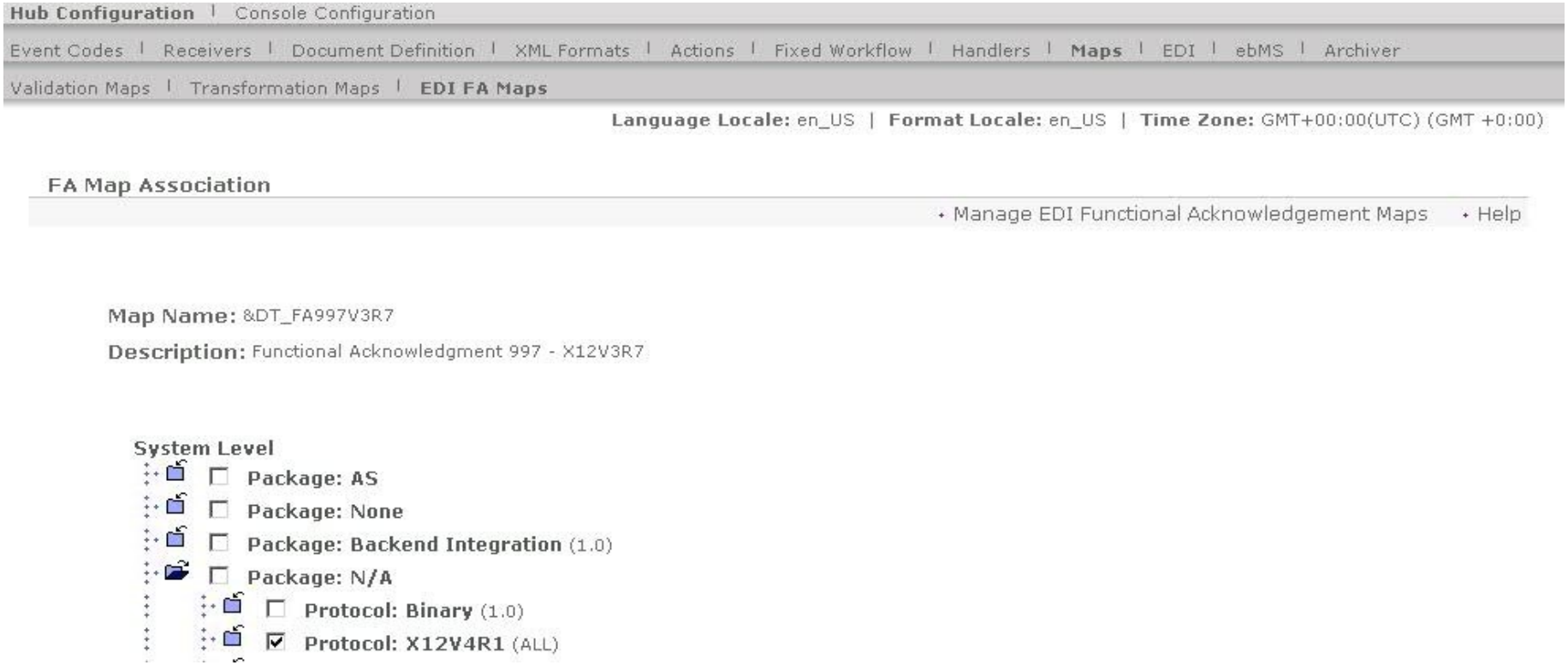




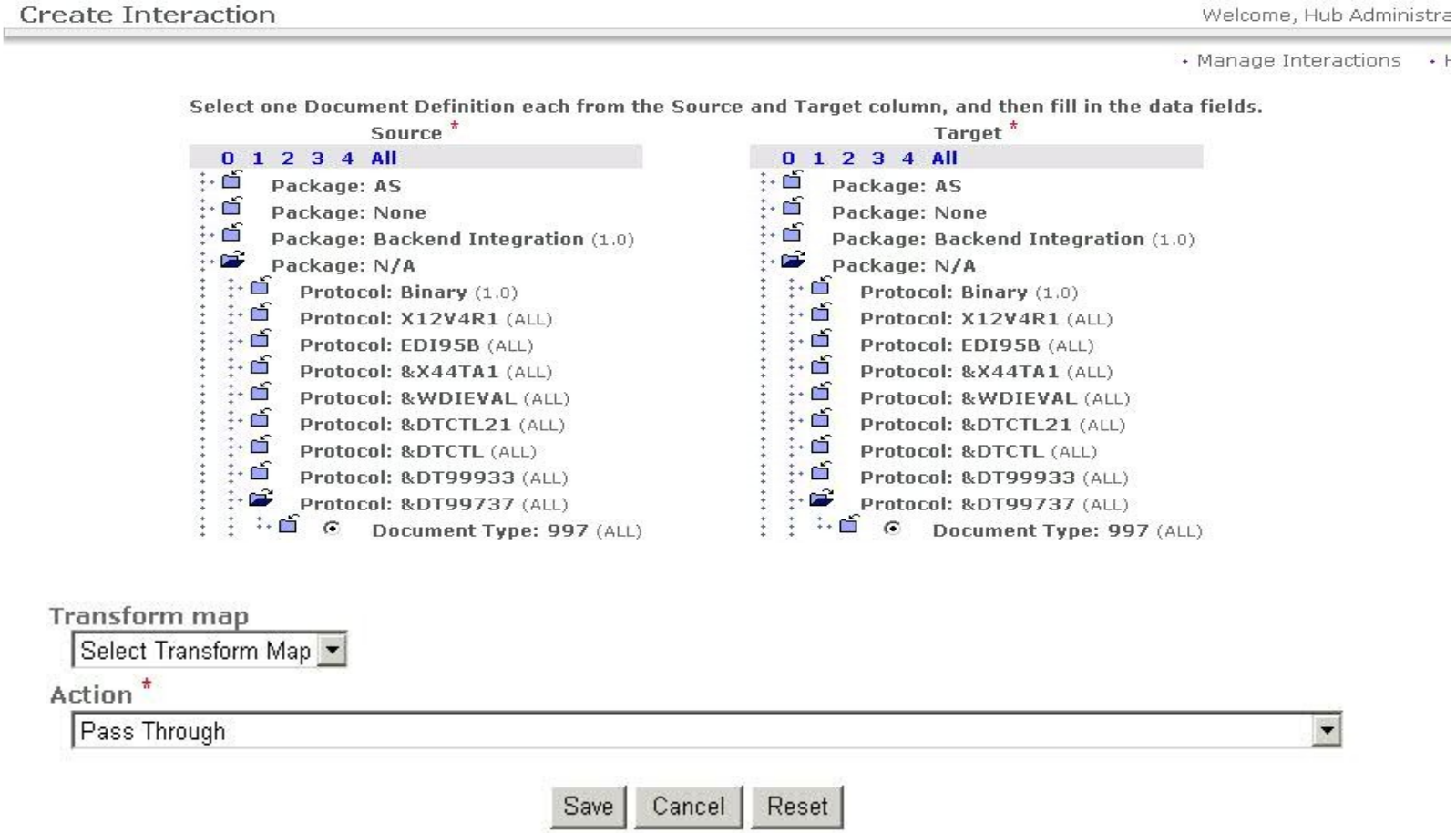




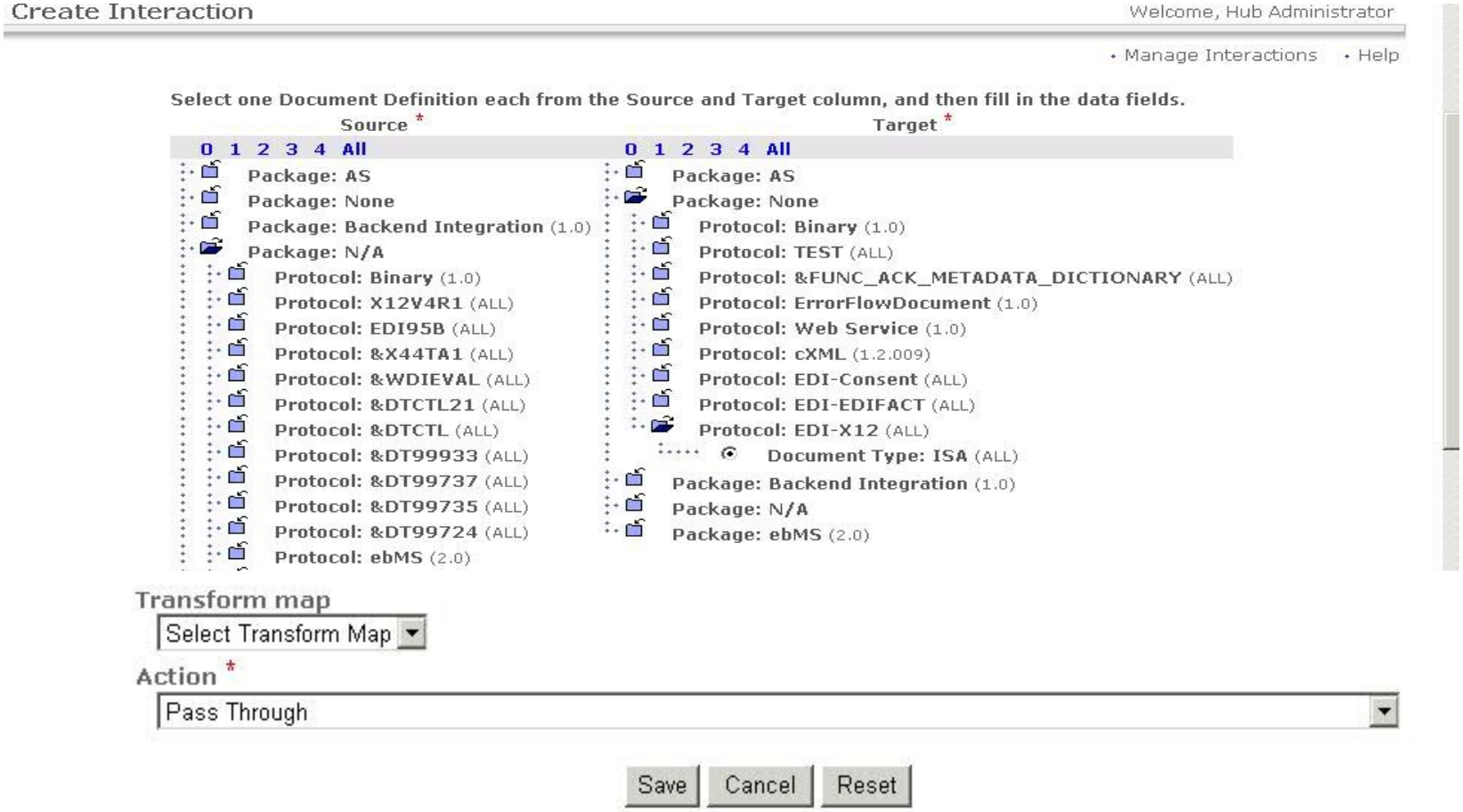
Associate FA Map



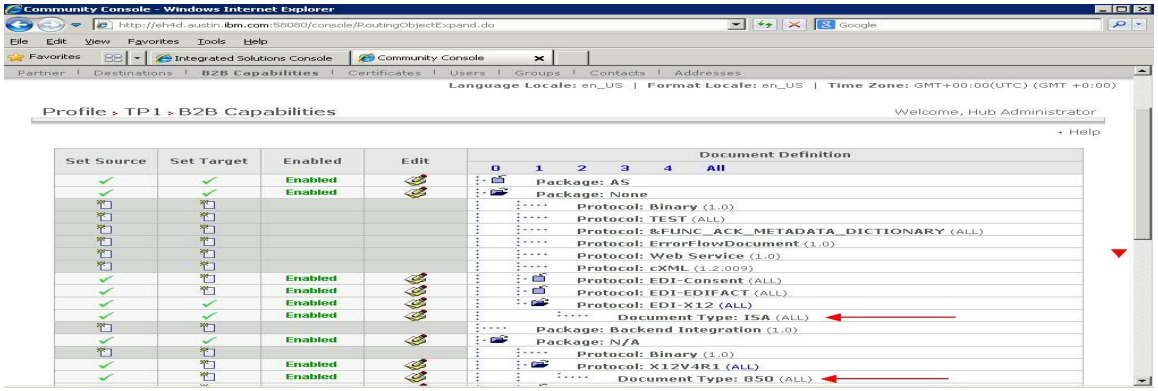
Create Interactions 1/2

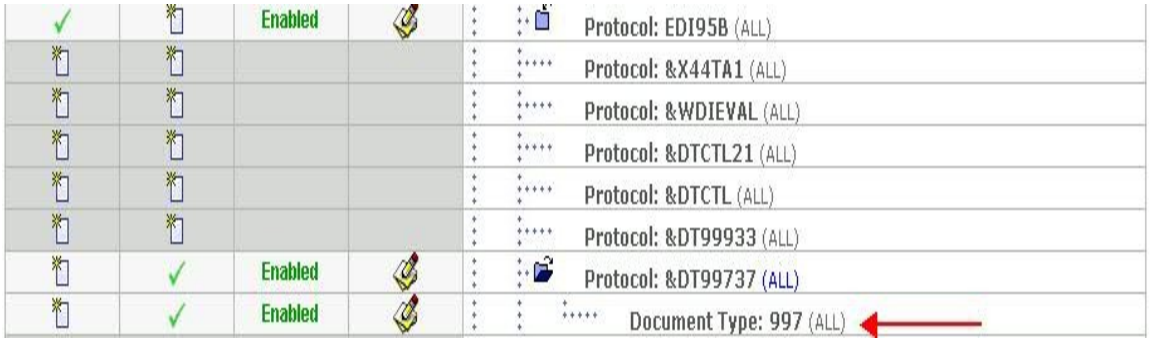


Create Interactions 2/2

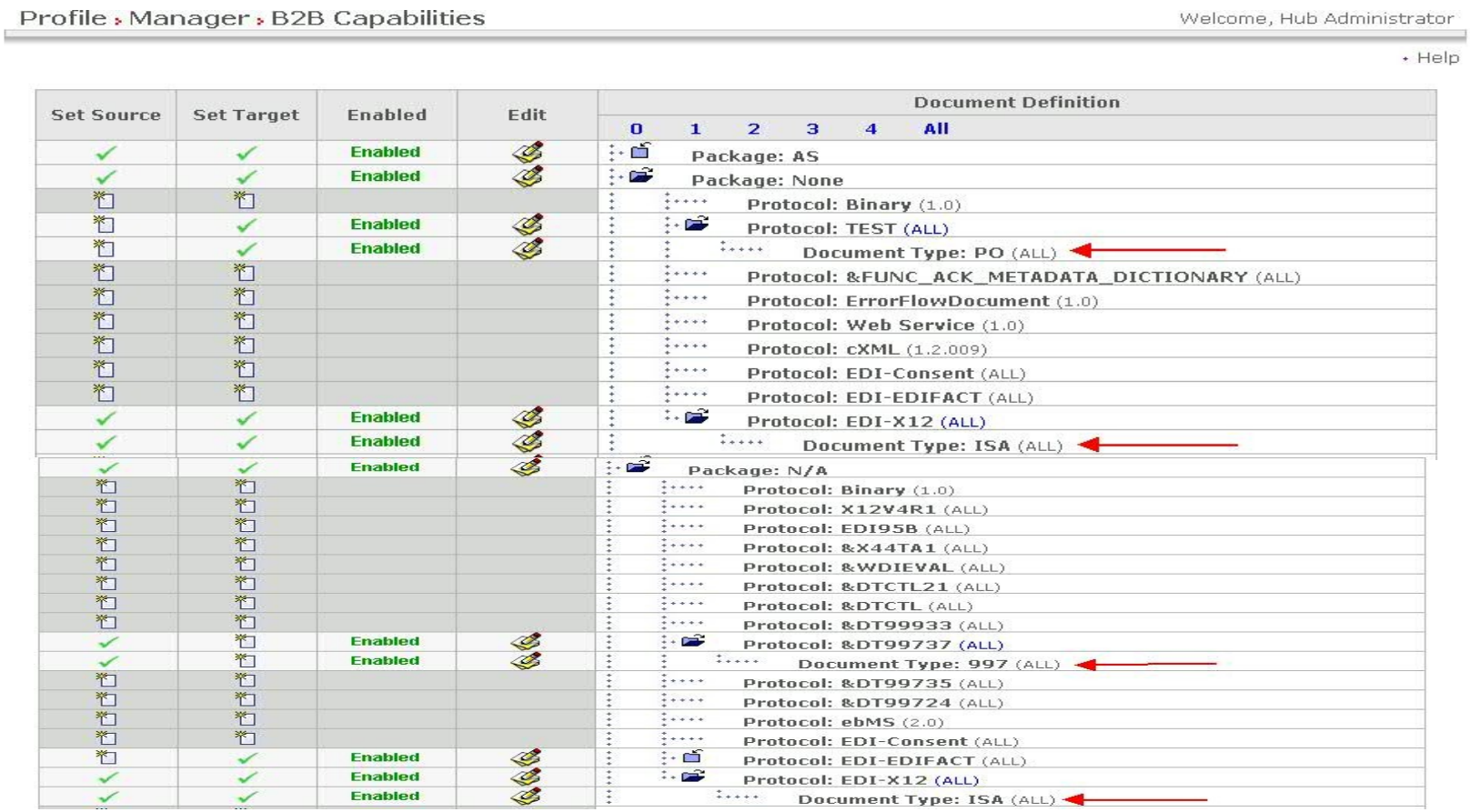


Enable B2B Capabilities 1/2

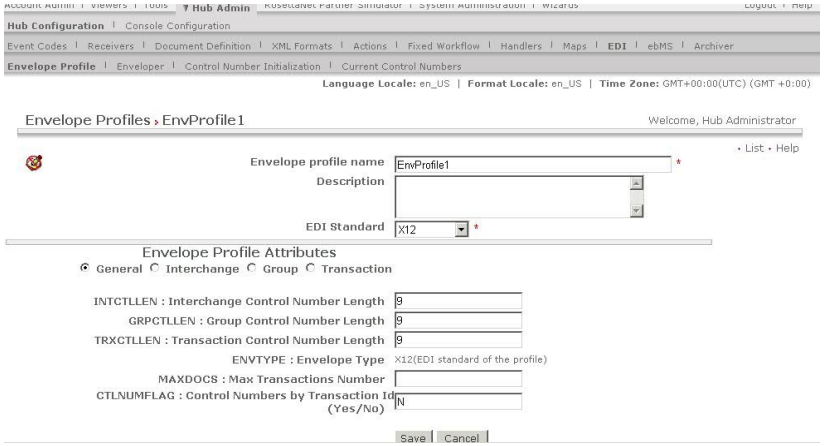


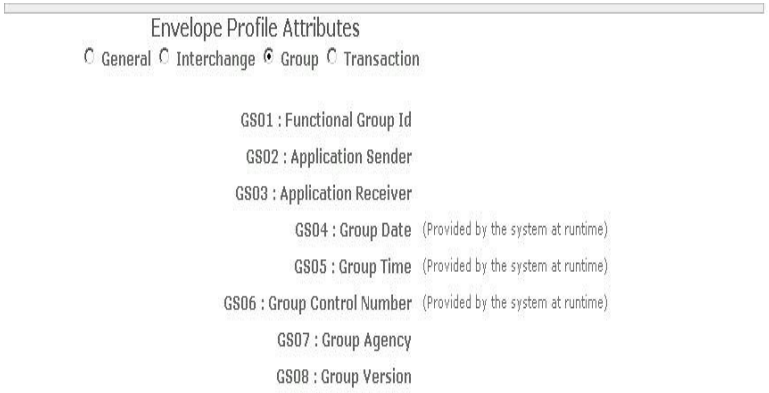


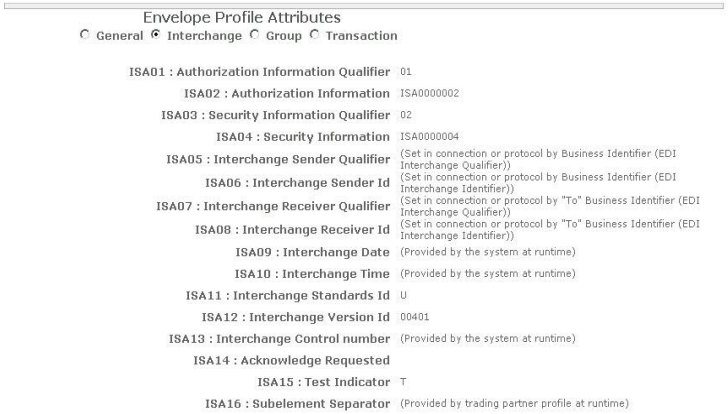
Enable B2B Capabilities 2/2

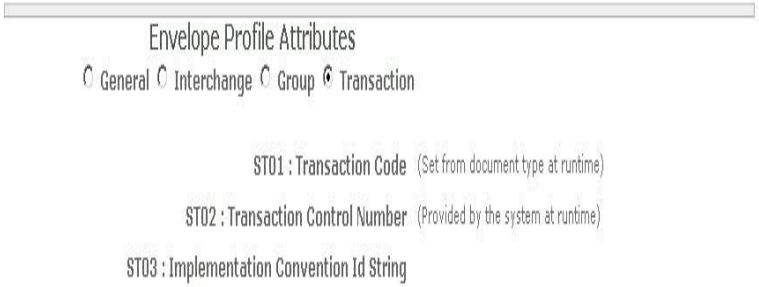


Create Envelope Profile

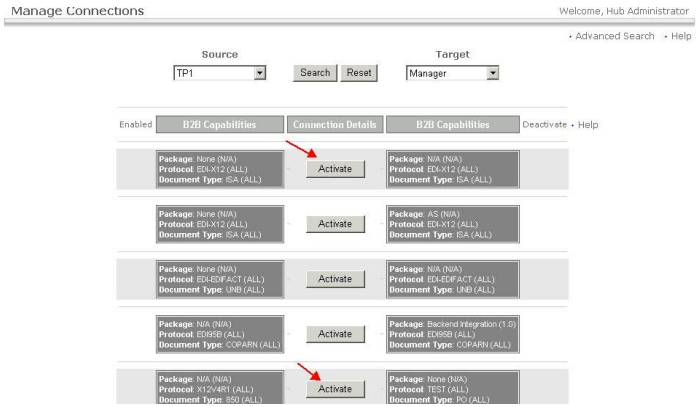


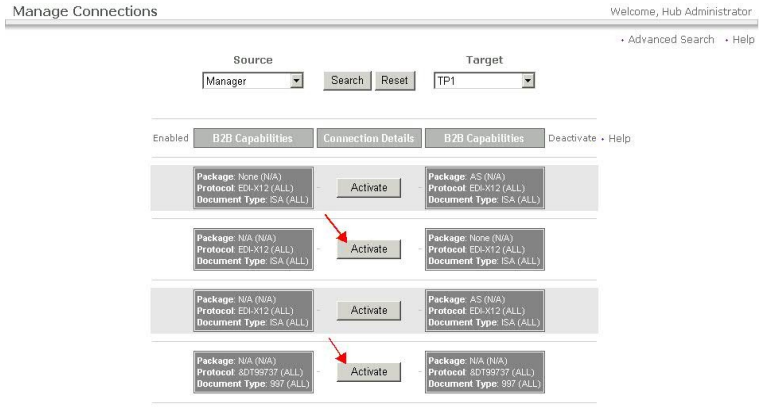


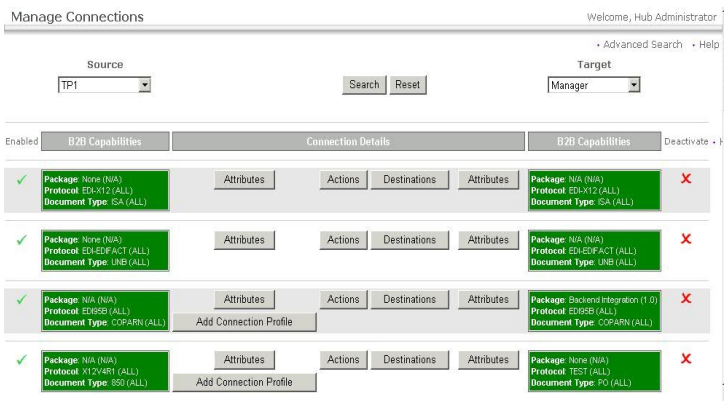


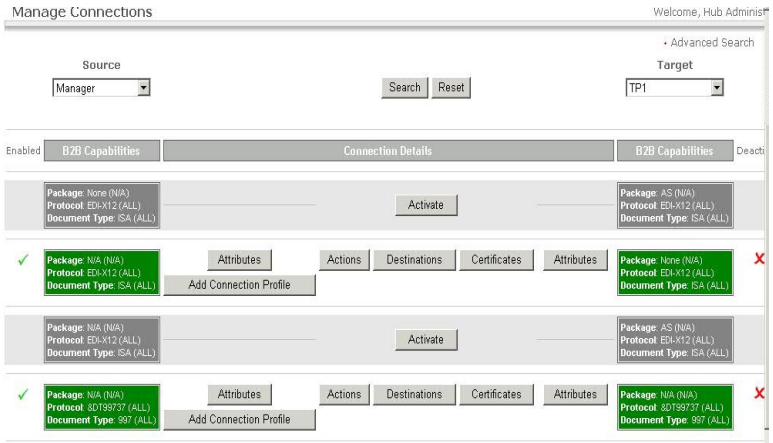


Activating Connections

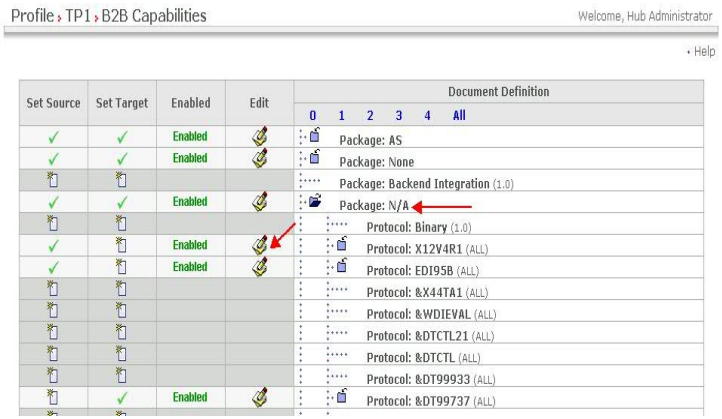


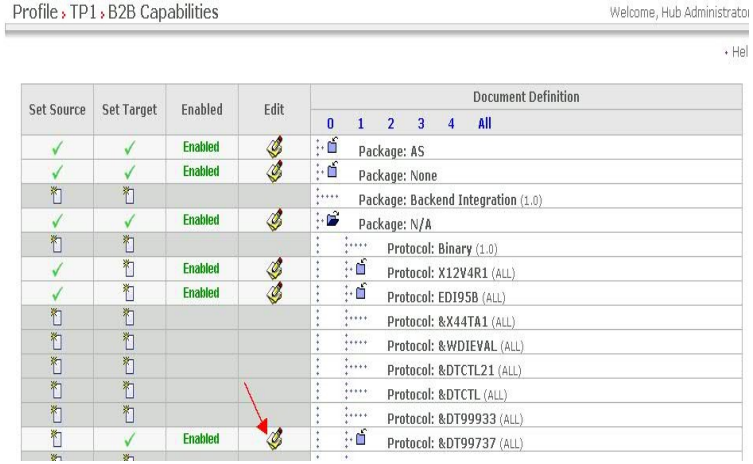


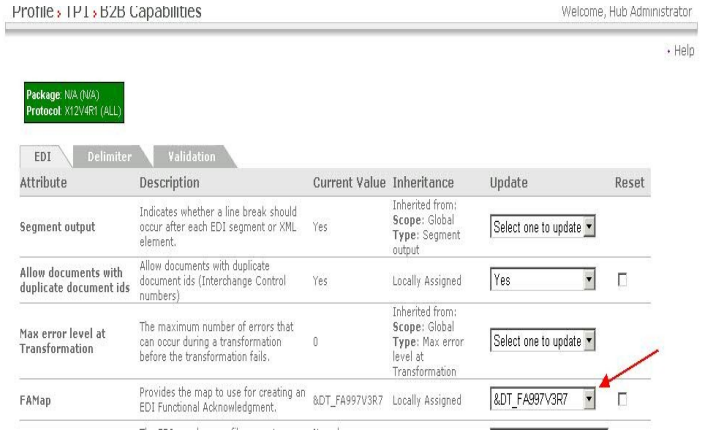


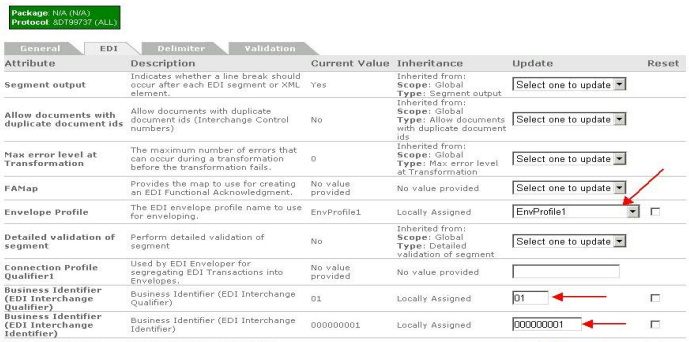


Configuring Attributes



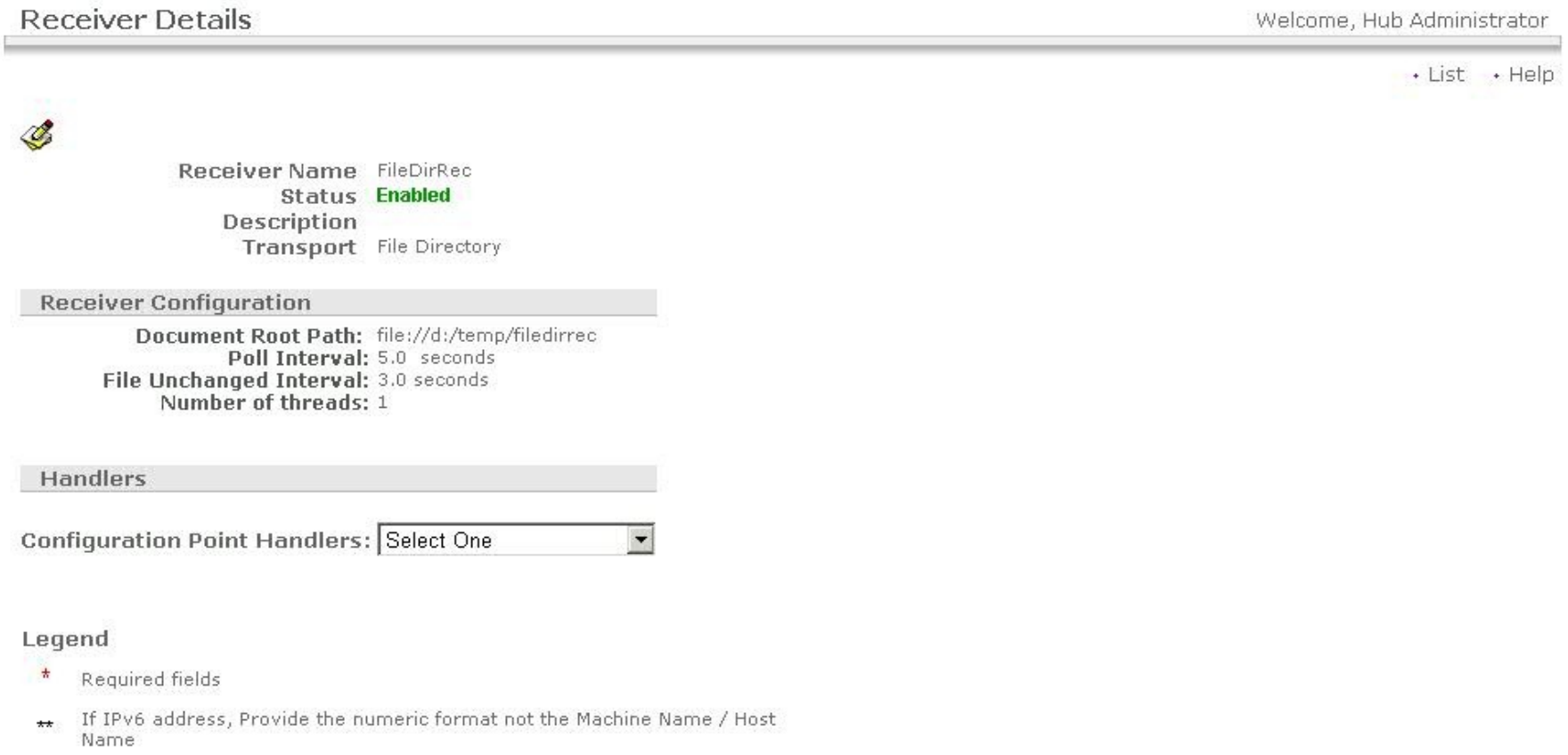






Run Transaction

Receiver Setup



Allow Documents with Duplicate Document ID's

Input File

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ISA~00~       ~00~       ~01~987654321     ~01~123456789     ~041115~2010~ ~     ~000000002~0~P~:>
GS~PO~MAURY~SWEETEST1~20041115~2010~02~X~004010>
ST~850~0015>
BEG~00~NE~PO#4567890123456789999~REL00000000000000000000000012~20021202~CONTRACT1111111111111111
111112>
REF~11~1111111111111111111~SPECIAL>
REF~23~67868767685478345378~SPECIAL>
REF~2S~WIN00011122200001001~SPECIAL>
N1~ST~Sweet Tooth Inc.~ZZ~88888888888888888>
N2~c/o Candy Cane>
N3~1111 Cocoa Lane~Department 55W>
N4~Sugarville~FL~336331234>
PO1~1~12~EA~99950~WH~MG~PN00000000000000000000000000001~IN~I111111111111111111~UP~1234567890>
PO1~2~24~DZ~119.98~WH~MG~PN00000000000000000000000000002~IN~I3429234409243923434~UP~2123456789>
PO1~3~48~GS~7.5~WH~MG~PN3~IN~I3333333333333333333~UP~4103283290>
PO1~4~144~BX~22.95~WH~MG~PN443890923484239043288904238 9~IN~I4444444444444444444~UP~1234567890>
CTT~4~228>
AMT~1~1205944.32>
SE~16~0015>
GE~1~02>
IEA~1~000000002>
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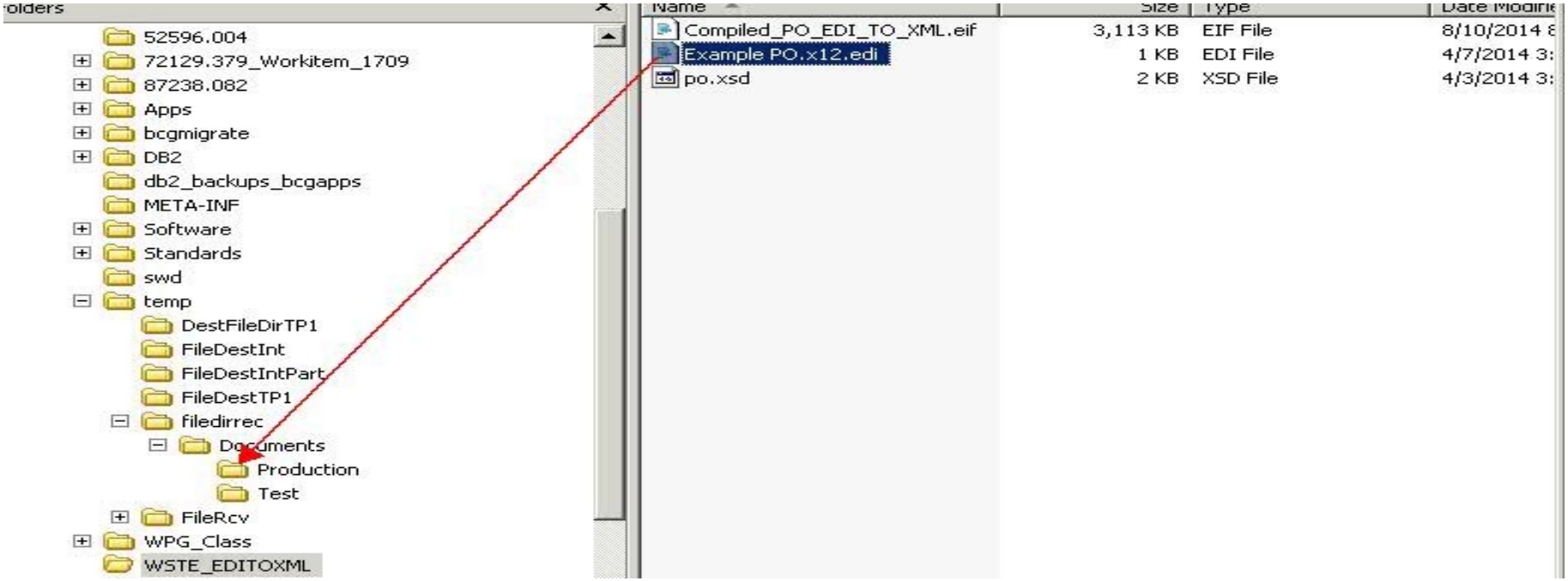
Placing Input File into File Directory Receiver



Check Document Viewer for Transaction

	Partners	Time Stamps		Protocol/Document Type	Operation Mode	Synchronous	Status
Document ID: 000000003 Doc Time Stamp: 140820-1952							
	Source: Manager	In: 8/20/14 7:52:07 PM	(0.271 kb)	N/A (N/A) EDI-X12 (ALL) ISA: ISA(ALL)			
	Target: TP1	Out: 8/20/14 7:52:08 PM	(0.271 kb)	None (N/A) EDI-X12 (ALL) ISA: ISA(ALL)	Production		
Document ID: - Doc Time Stamp: -							
	Source: Manager	In: 8/20/14 7:51:15 PM	(0.047 kb)	N/A (N/A) &DT99737 (ALL) 997: 997(ALL)			
	Target: TP1	Out:	(0.047 kb)	N/A (N/A) &DT99737 (ALL) 997: 997(ALL)	Production		
Document ID: 000000002 Doc Time Stamp: 041115-2010							
	Source: TP1	In: 8/20/14 7:51:13 PM	(0.718 kb)	N/A (N/A) X12V4R1 (ALL) 850: 850(ALL)			
	Target: Manager	Out: 8/20/14 7:51:16 PM	(1.011 kb)	None (N/A) TEST (ALL) PO: PO(ALL)	Production		
Document ID: 000000002 Doc Time Stamp: 041115-2010							
	Source: TP1	In: 8/20/14 7:51:13 PM	(0.926 kb)	None (N/A) EDI-X12 (ALL) ISA: ISA(ALL)			
	Target: Manager	Out: 8/20/14 7:51:16 PM		N/A (N/A) EDI-X12 (ALL) ISA: ISA(ALL)	Production		

Summary

- Showed how to download EDI Standards
- Showed how to create the XML Schema
- Showed how to use DIS Client to create map
- Showed how to use the WPG Console to setup flow
- Showed how to use the WPG Console to run and view the transaction

WebSphere Partner Gateway Resources

- WebSphere Partner Gateway Support Portal: https://www-947.ibm.com/support/entry/myportal/product/websphere/websphere_partner_gateway_enterprise_edition?productContext=619576463
- WebSphere Partner Gateway Knowledge Center: http://www-01.ibm.com/support/knowledgecenter/SSDKJ8_6.2.1/com.ibm.wpg621.entadv.doc/welcome_wpg.htm?cp=SSDKJ8_6.2.1%2F0&lang=en
- WebSphere Partner Gateway Forum: https://www.ibm.com/developerworks/community/forums/html/forum?id=11111111-0000-0000-0000-000000001147
- IBM Client Success Essentials For WebSphere Partner Gateway: https://www-304.ibm.com/connections/wikis/home?lang=en-us#!/wiki/W5d5c76e66242_4f86_80e4_12a9e0eefb4b/page/WebSphere%20Partner%20Gateway

Additional WebSphere Product Resources

- Learn about upcoming WebSphere Support Technical Exchange webcasts, and access previously recorded presentations at:
  http://www.ibm.com/software/websphere/support/supp_tech.html
- Discover the latest trends in WebSphere Technology and implementation, participate in technically-focused briefings, webcasts and podcasts at:
  http://www.ibm.com/developerworks/websphere/community/
- Join the Global WebSphere Community:
  http://www.websphereusergroup.org
- Access key product show-me demos and tutorials by visiting IBM Education Assistant:
  http://www.ibm.com/software/info/education/assistant
- View a webcast replay with step-by-step instructions for using the Service Request (SR) tool for submitting problems electronically:
  http://www.ibm.com/software/websphere/support/d2w.html
- Sign up to receive weekly technical My Notifications emails:
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http://ibm.biz/Client-Success-Essentials

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