



IBM Software Group

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

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WebSphere® Support Technical Exchange



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)

The screenshot shows the IBM WebSphere Data Interchange V3.2.1 and V3.3 EDI Standards page. The page title is "WebSphere Data Interchange V3.2.1 and V3.3 EDI Standards". The page content includes a "Tags" section, a "Product documentation" section, an "Abstract" section, and a "Content" section. The "Content" section lists various EDI standards and their download links. The standards listed include:

- AARV321 Association of American Railroads Ver. 3, Rel. 2.1 [aarv321.zip](#)
- AARV320 Association of American Railroads Ver. 3, Rel. 3 [aarv320.zip](#) replaced 8 Nov 2011
- AARV340 Association of American Railroads Ver. 3, Rel. 4 [aarv340.zip](#) replaced 8 Nov 2011
- AARV350 Association of American Railroads Ver. 3, Rel. 5 [aarv350.zip](#)
- AARV360 Association of American Railroads Ver. 3, Rel. 6 [aarv360.zip](#) replaced 10 Sep 2010
- AARV370 Association of American Railroads Ver. 3, Rel. 7 [aarv370.zip](#)
- AARV410 Association of American Railroads Ver. 4, Rel. 1 [aarv410.zip](#)
- AARV420 Association of American Railroads Ver. 4, Rel. 2 [aarv420.zip](#)
- AARV430 Association of American Railroads Ver. 4, Rel. 3 [aarv430.zip](#) replaced 10 Sep 2010
- AARV440 Association of American Railroads Ver. 4, Rel. 4 [aarv440.zip](#)
- AARV450 Association of American Railroads Ver. 4, Rel. 5 [aarv450.zip](#)
- AARV460 Association of American Railroads Ver. 4, Rel. 6 [aarv460.zip](#)
- AARV510 Association of American Railroads Ver. 5, Rel. 1 [aarv510.zip](#)
- AARV520 Association of American Railroads Ver. 5, Rel. 2 [aarv520.zip](#)
- AARV530 Association of American Railroads Ver. 5, Rel. 3 [aarv530.zip](#)
- AARV540 Association of American Railroads Ver. 5, Rel. 4 [aarv540.zip](#) replaced 10 Sep 2010
- AARV550 Association of American Railroads Ver. 5, Rel. 5 [aarv550.zip](#) replaced 10 Sep 2010
- AARV620 Association of American Railroads Ver. 6, Rel. 2 [aarv620.zip](#) replaced 14 Sep 2012
- AARV640 Association of American Railroads Ver. 6, Rel. 4 [aarv640.zip](#) replaced 14 Sep 2012

The page also includes a "Download instructions" section and a list of UNEDIFACT standards:

- EANCOM97 - [eancom97.zip](#)
- Import instructions for EANCOM97 standards: [sancom97-import.pdf](#)
- EDI880 UNEDIFACT 1988 Draft Standard - D880 [ed880.zip](#)
- Limited, 2 transactions
- EDI891 UNEDIFACT 1989 Draft Standard - D891 [ed891.zip](#)
- Limited, 2 transactions
- EDI892 UNEDIFACT 1989 Draft Standard - D892 [ed892.zip](#)
- Limited, 5 transactions
- EDI891 UNEDIFACT 1990 Draft Standard - D901 [ed891.zip](#)
- EDI892 UNEDIFACT 1990 Draft Standard - D902 [ed892.zip](#)
- EDI891 UNEDIFACT 1991 Draft Standard - D911 [ed891.zip](#) replaced 8 Oct 2007
- EDI892 UNEDIFACT 1991 Draft Standard - D912 [ed892.zip](#)
- EDI891 UNEDIFACT 1992 Draft Standard - D921 [ed891.zip](#)
- EDI892 UNEDIFACT 1992 Draft Standard - D922 [ed892.zip](#)

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

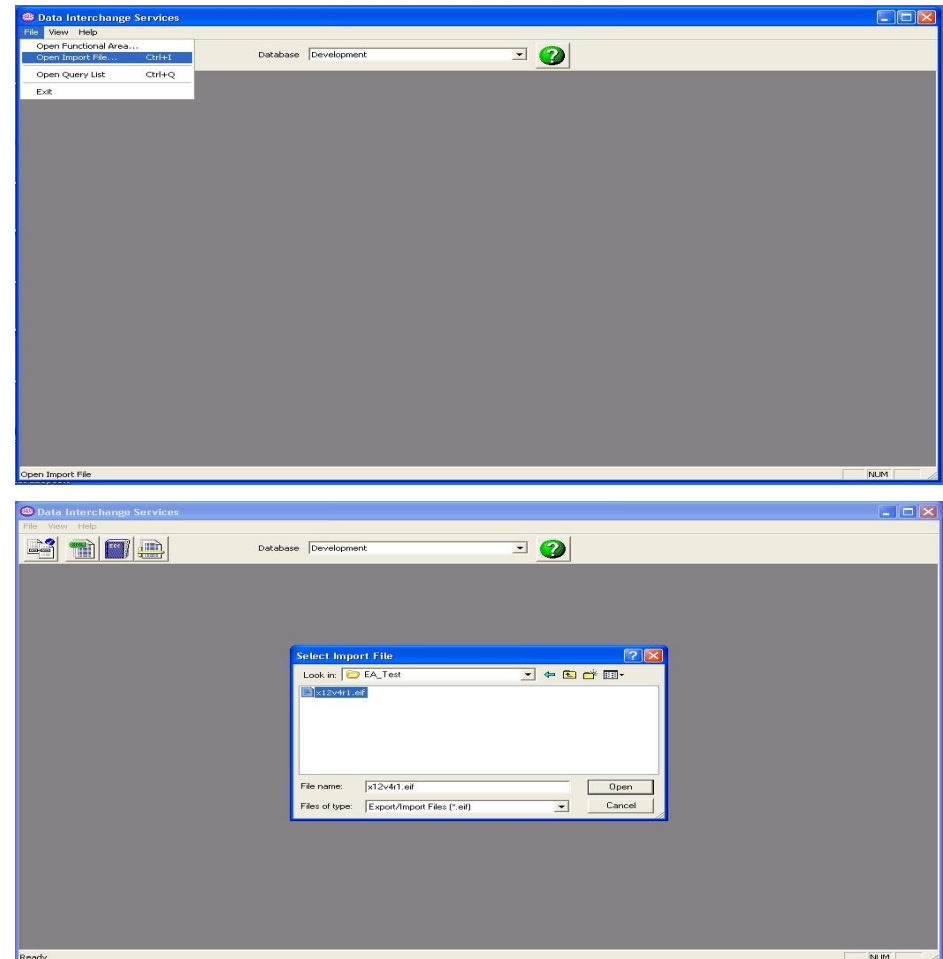
Define the XML output document structure

```
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

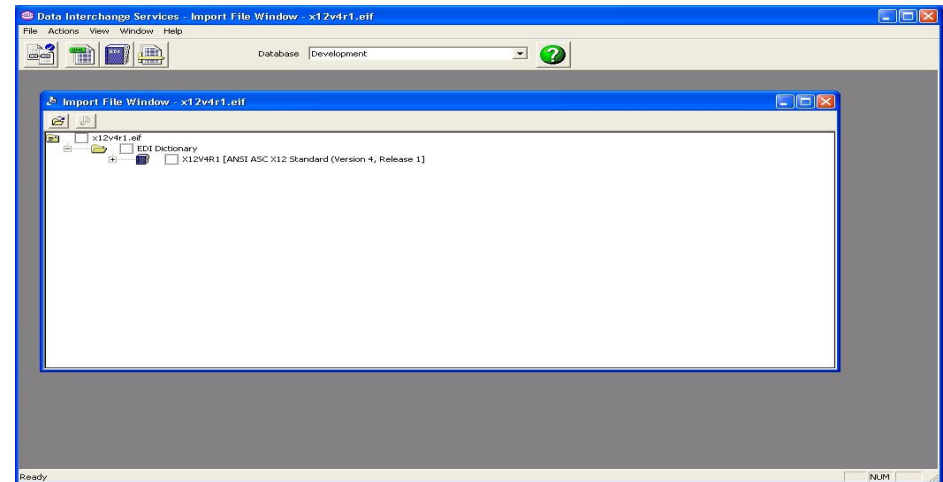
Import x12v4r1.eif into the DIS database 1/3

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

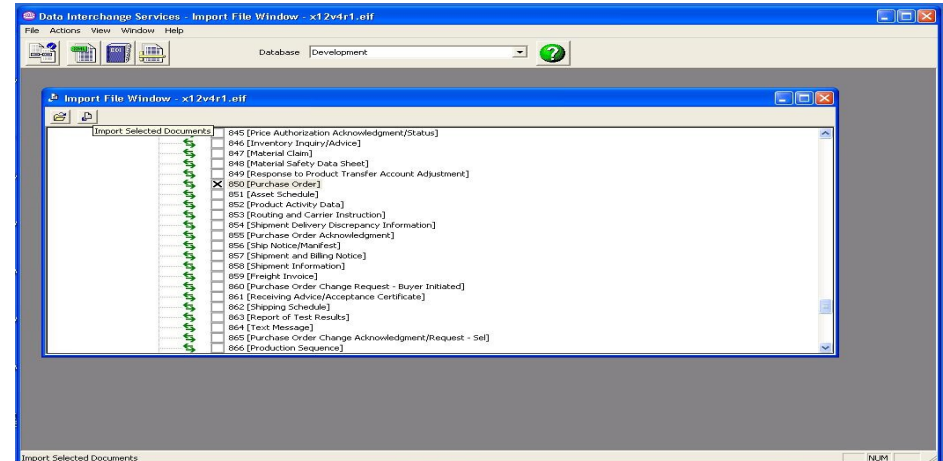


Import x12v4r1.eif into the DIS database 2/3

- Expand the X12V4R1

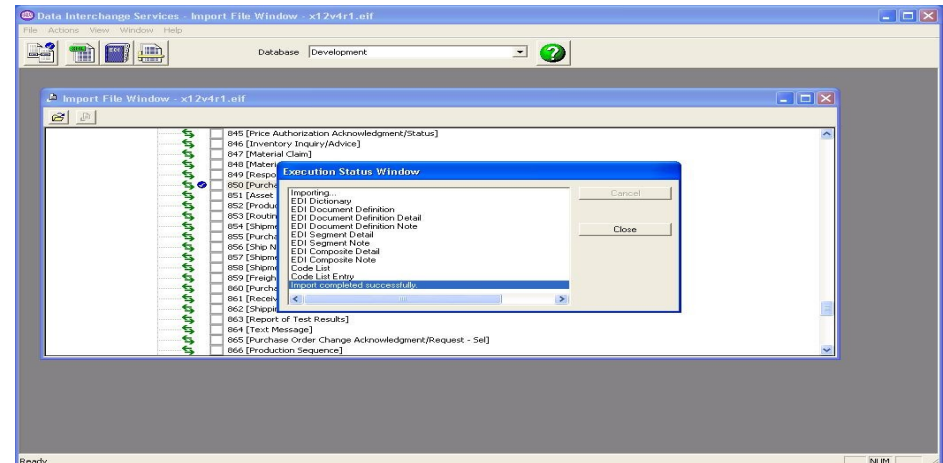
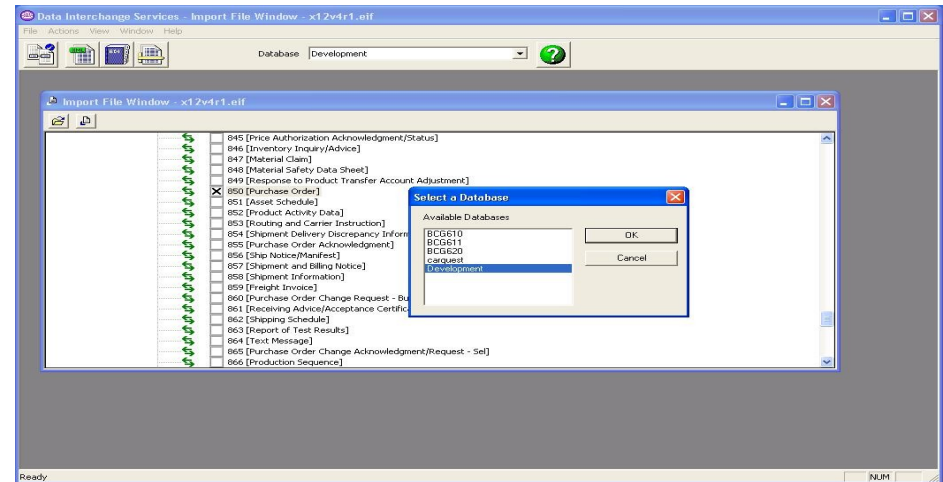


- Select the 850PO



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

The screenshot shows the "Data Interchange Services - Development (EDI) - Query: All" window. The "EDI Document Definitions" tab is active, displaying a table of EDI document definitions. The table has columns for Document Definition Name, Dictionary Name, Description, Purpose, Functional Group, Lock, and Updated Date and Time. The entry for 850 X12V4R1 is highlighted.

	Document Definition Name	Dictionary Name	Description	Purpose	Functional Group	Lock	Updated Date and Time
183	997	X12/3R2	Functional Ackno		FA	No	11/13/2008 12:38:24 PM
184	850	X12/3R5	Purchase Order	This Draft St PO		No	9/17/2012 11:55:20 AM
185	214	X12/4R1	Transportation Car	This Draft St QM		No	8/15/2011 11:43:39 AM
186	810	X12/4R1	Invoice	This Draft St IN		No	3/30/2011 5:02:43 PM
187	850	X12/4R1	Purchase Order	This Draft St PO		No	8/29/2013 9:15:34 AM
188	855	X12/4R1	Purchase Order A	This Draft St PR		No	5/19/2009 4:53:00 PM
189	856	X12/4R1	Ship Notice/Manif	This Draft St SH		No	5/19/2009 4:53:03 PM
190	857	X12/4R1	Shipment and Bill	This Draft St BS		No	5/8/2009 10:28:27 PM
191	860	X12/4R1	Purchase Order C	This Draft St PC		No	5/19/2009 4:52:58 PM
192	945	X12/4R1	Warehouse Shippi	This Draft St SW		No	4/16/2013 4:19:14 PM
193	947	X12/4R1	Warehouse Invent	This Draft St AW		No	9/15/2009 5:16:28 PM
194	997	X12/4R1	Functional Ackno	This Draft St FA		No	3/31/2011 9:27:56 AM
195	810	X12/4R4	Invoice	This X12 Tr IN		No	4/22/2009 10:36:53 AM
196	820	X12/4R4	Payment Order/R	This X12 Tr RA		No	10/14/2008 3:41:43 PM

Create a XML Dictionary

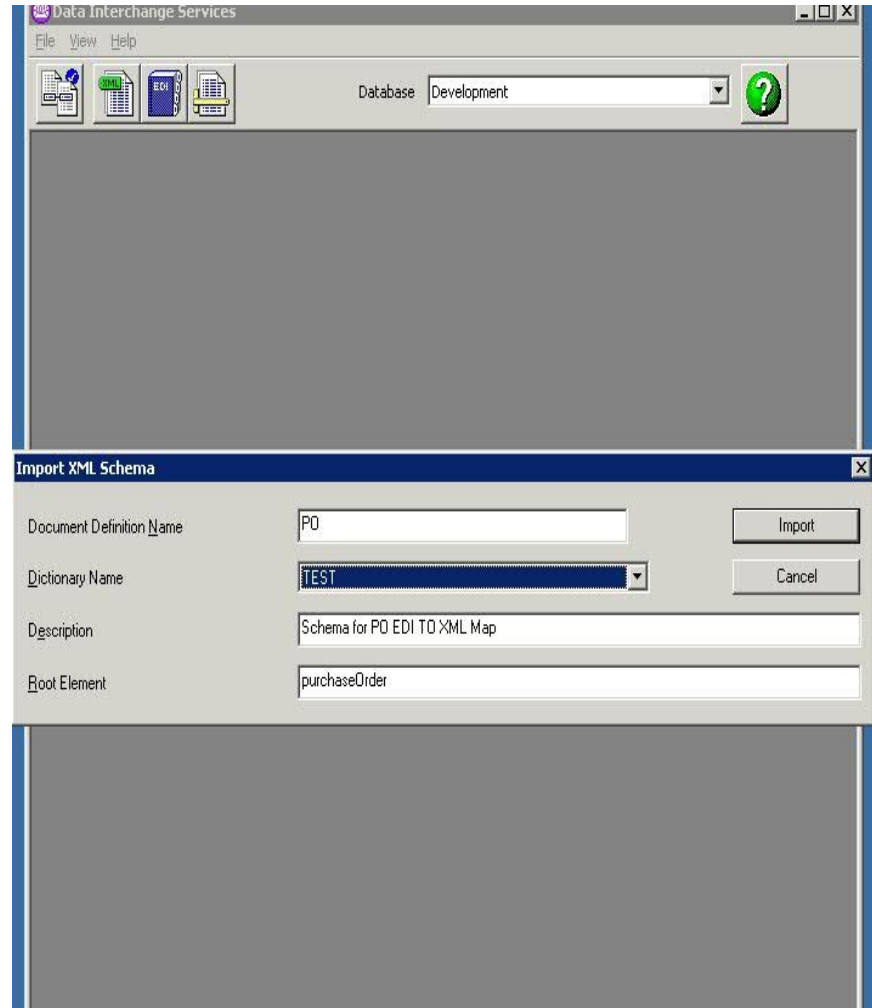
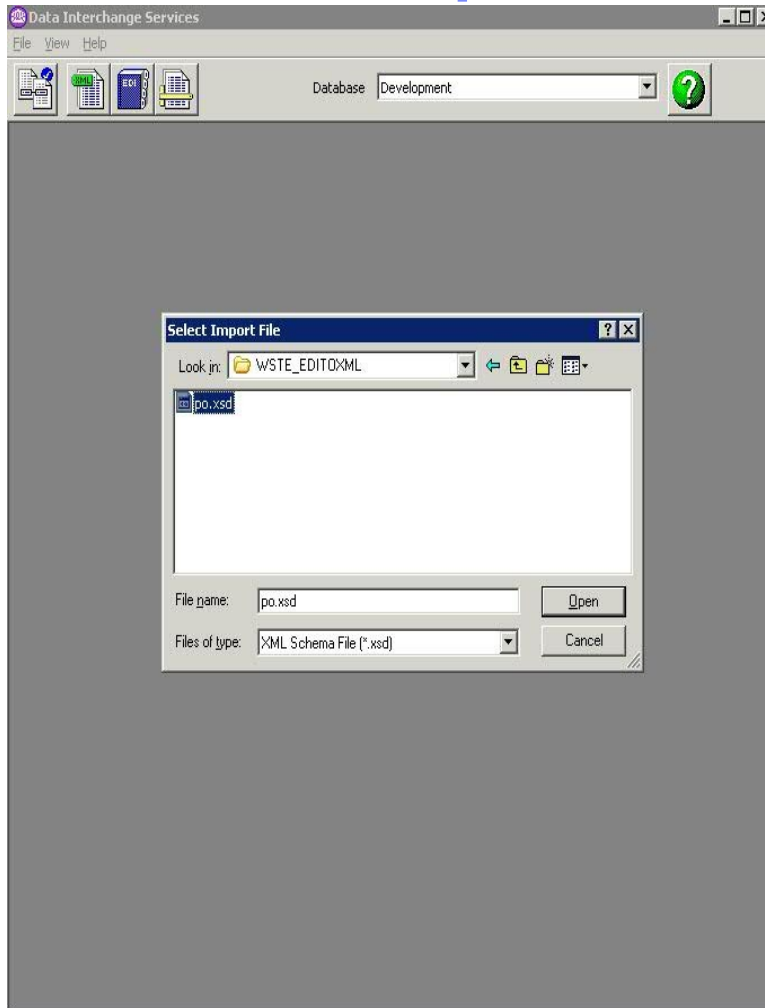
The screenshot displays the IBM Data Interchange Services - Development - XML Dictionary - TEST application. The main window shows a table of XML dictionaries with the following data:

Dictionary Name	Description	Lock	Updated Date and Time	Updated User ID	
1	COSCO_XML_DICT	No	5/22/2014 7:56:31 AM	admin	
2	FVT-XML-TEST	XML DTDs for FV	No	4/2/2014 1:31:34 PM	admin
3	TEST	XML Dictionary for Yes - ad	4/3/2014 3:05:03 PM	admin	

An inset window titled "Development - XML Dictionary - TEST" is open, showing the details for the "TEST" dictionary. The "General" tab is selected, and the fields are as follows:

- Dictionary Name: TEST
- Description: XML Dictionary for EDI TO XML Translation

Import XML schema



Summary XML definitions

Data Interchange Services - Development (XML) - Query: All

File Actions View Window Help

Database: Development

Development (XML) - Query: All

XML Dictionaries | DTD Document Definitions | Schema Document Definitions | Namespaces

	Dictionary Name	Description	Lock	Updated Date and Time	Updated User ID
1	COSCO_XML_DICT		No	5/22/2014 7:56:31 AM	admin
2	FVT-XML-TEST	XML DTDs for FV	No	4/2/2014 1:31:34 PM	admin
3	TEST	XML Dictionary for	No	4/3/2014 3:05:03 PM	admin

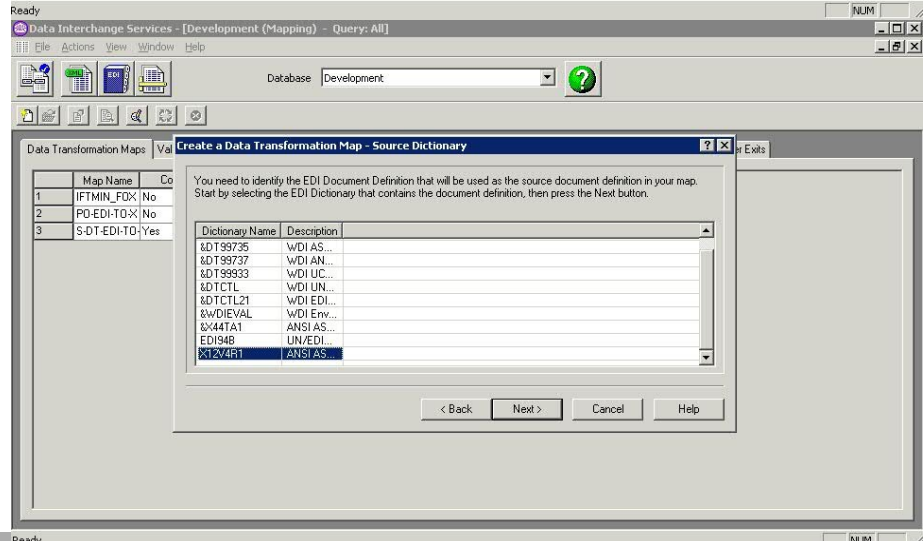
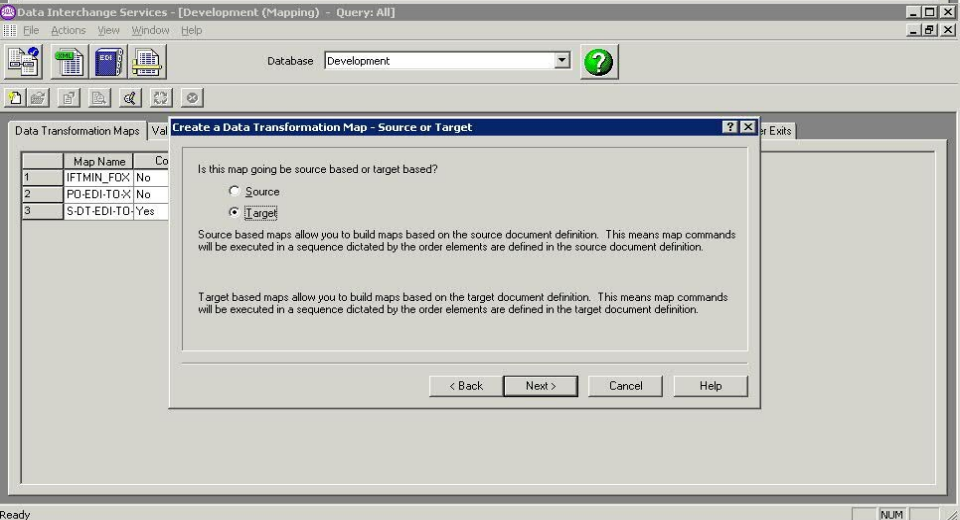
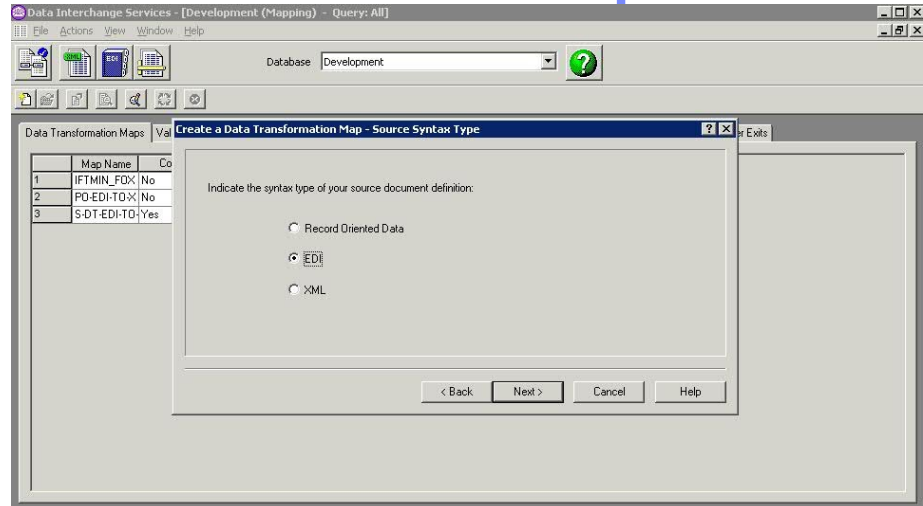
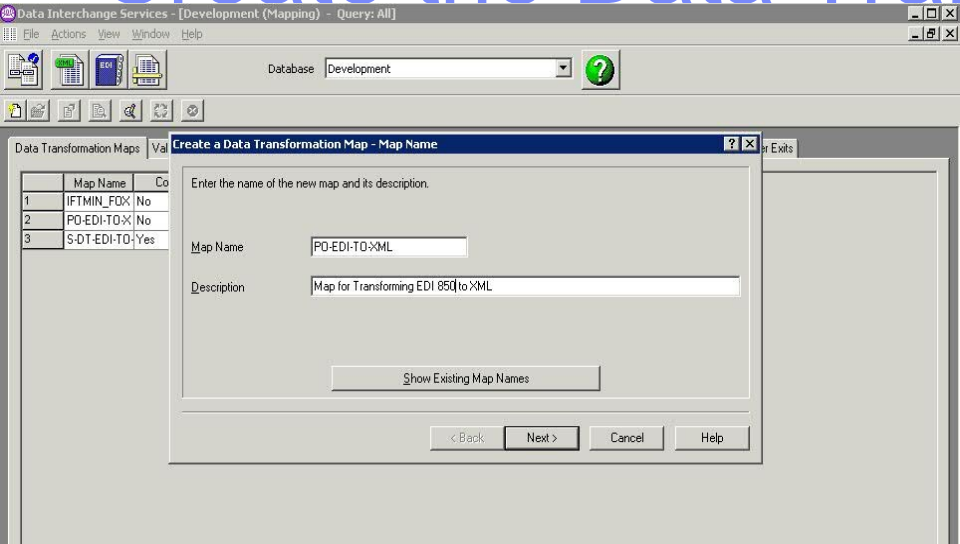
Development (XML) - Query: All

XML Dictionaries | DTD Document Definitions | Schema Document Definitions | Namespaces

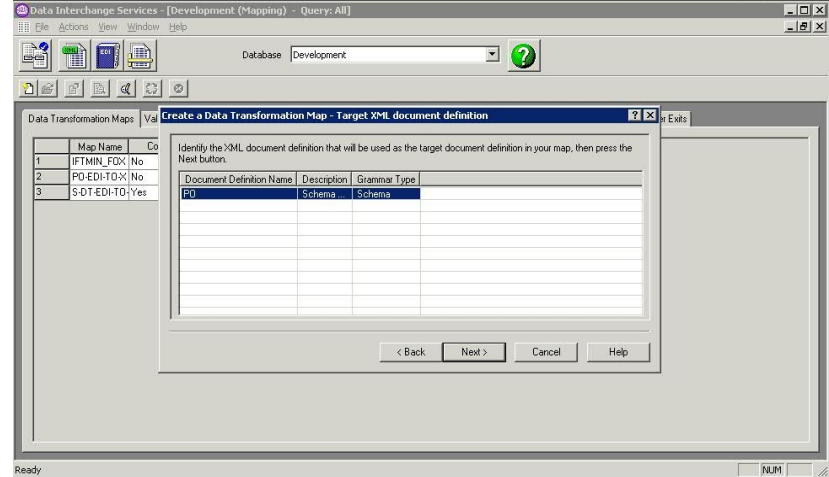
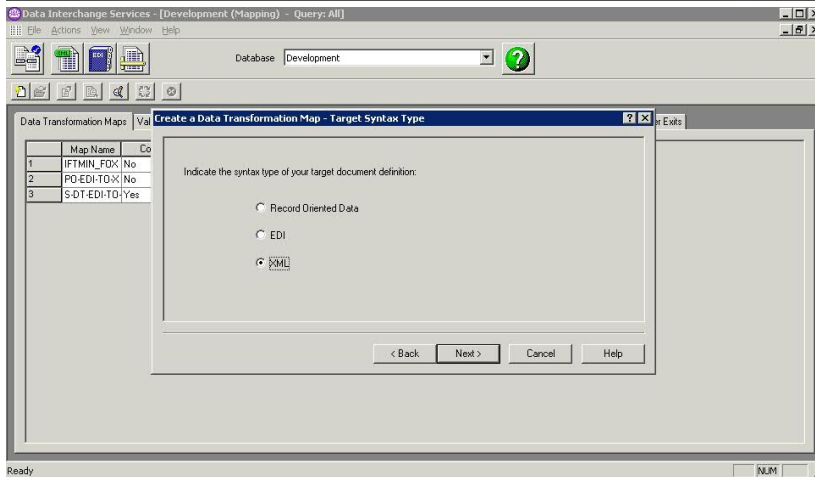
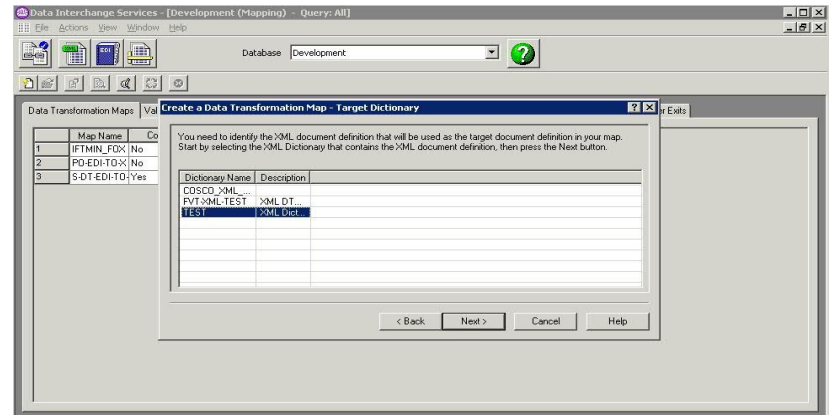
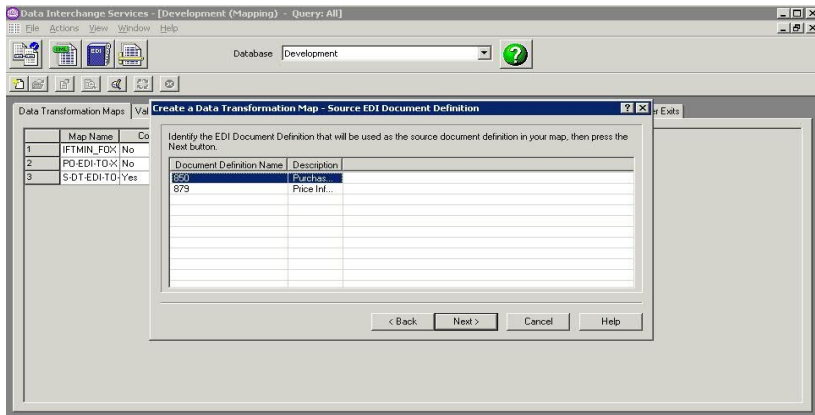
	Dictionary Name	Document Definition Name	Description	Root Element	Target Namespace	Element Contain
1	COSCO_XML_DICT	IFTMIN_FOXCONN		Message		<Invalid Data>
2	TEST	PO	Schema for PO E	purchaseOrder		<Invalid Data>

Ready

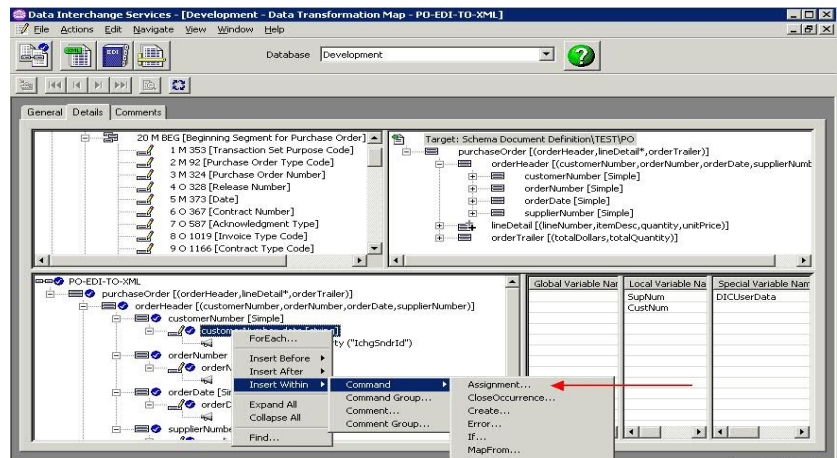
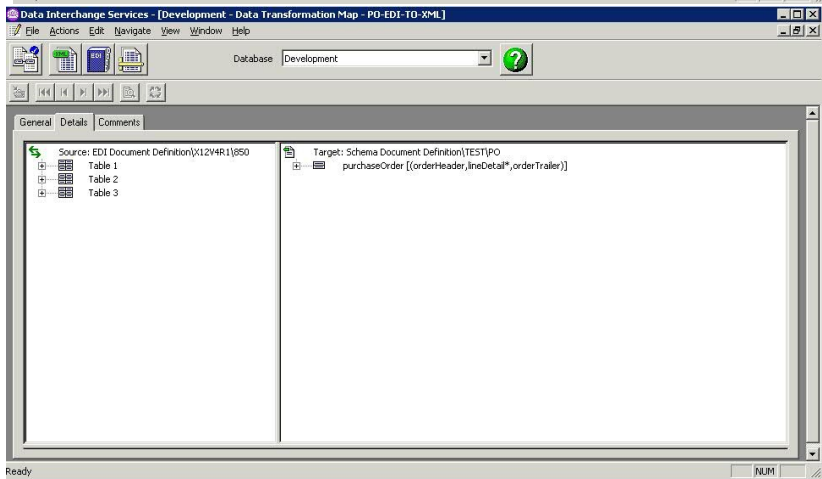
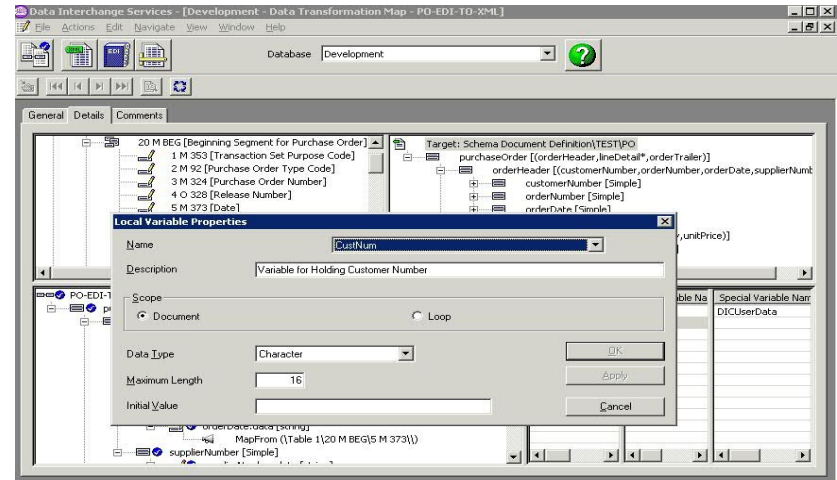
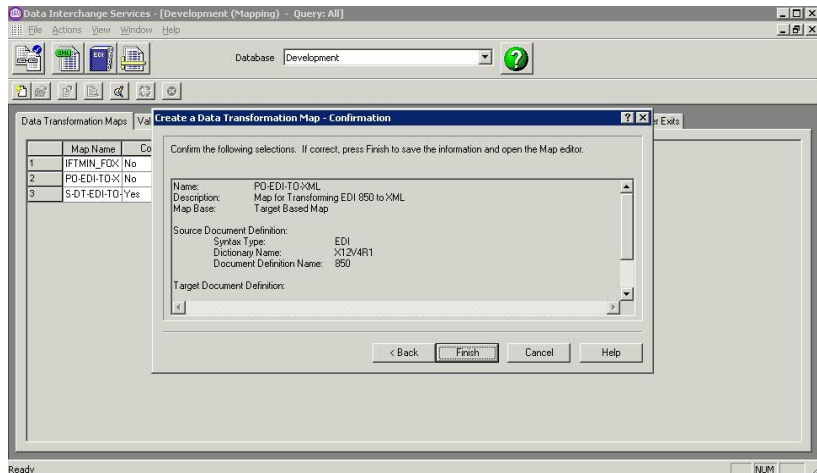
Create the Data Transformation Map 1/6



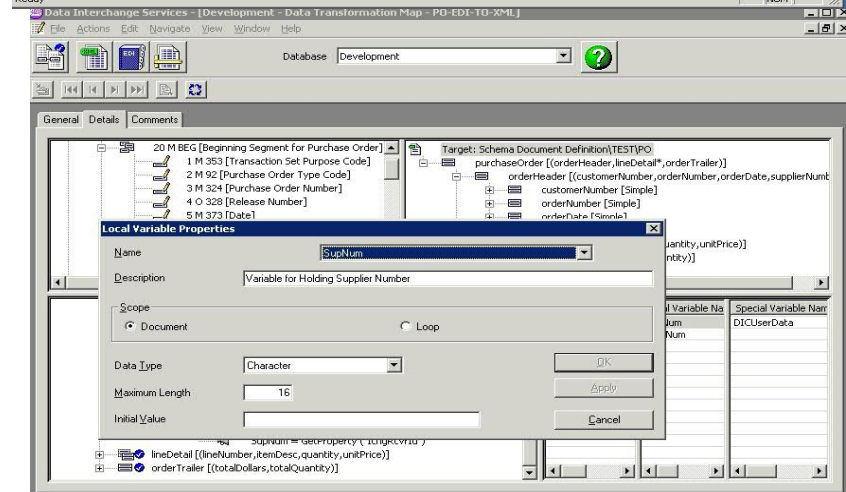
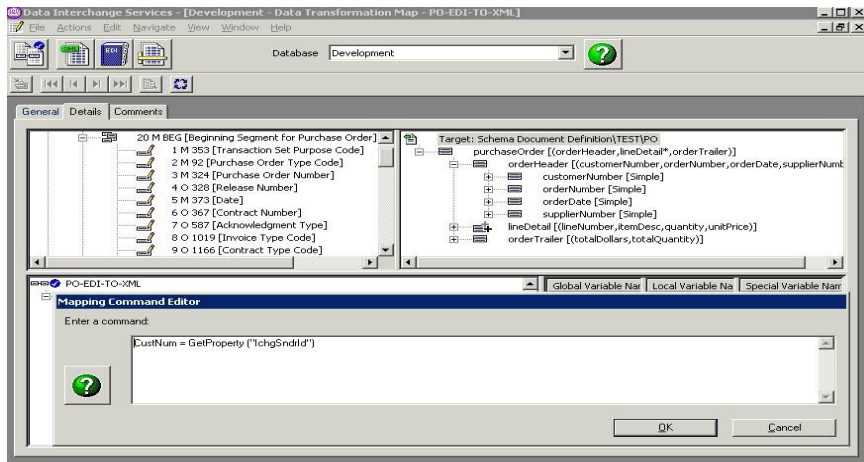
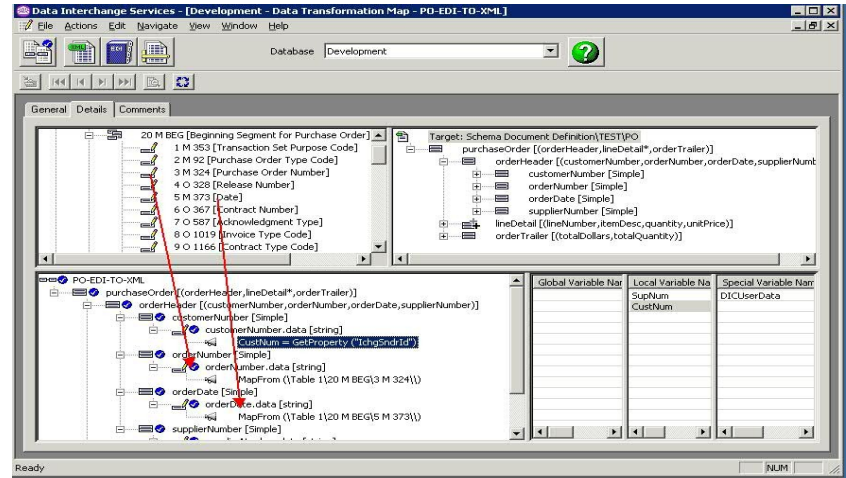
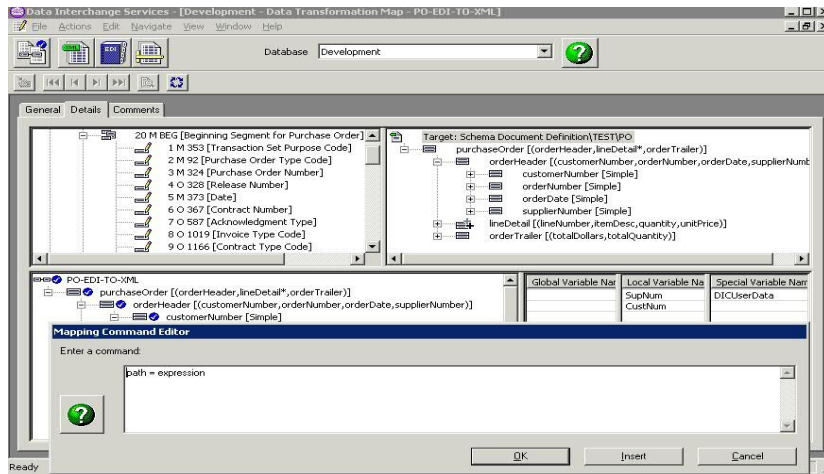
Create the Data Transformation Map 2/6



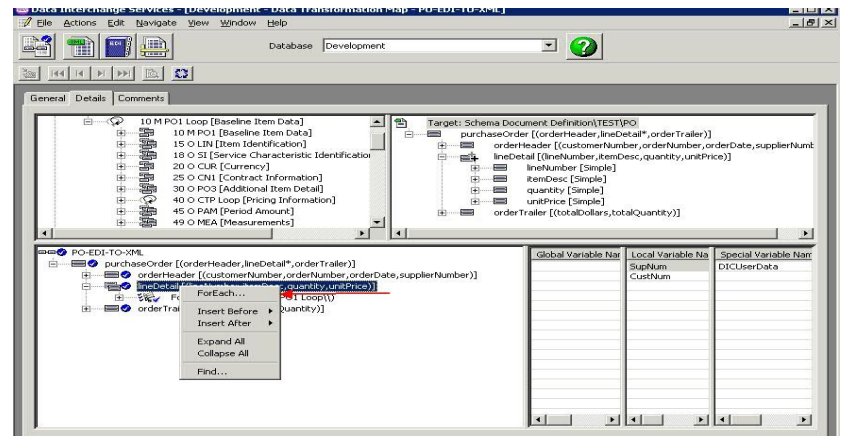
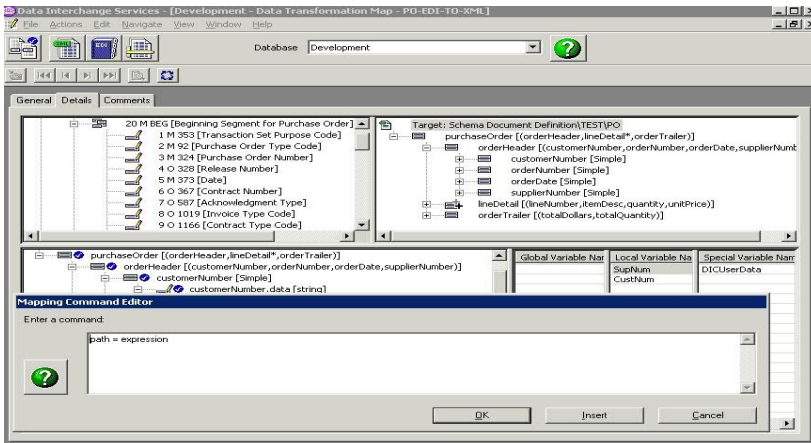
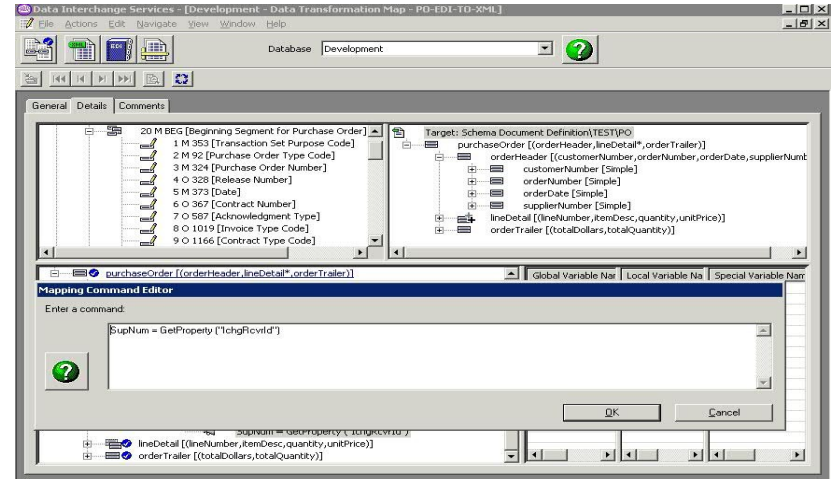
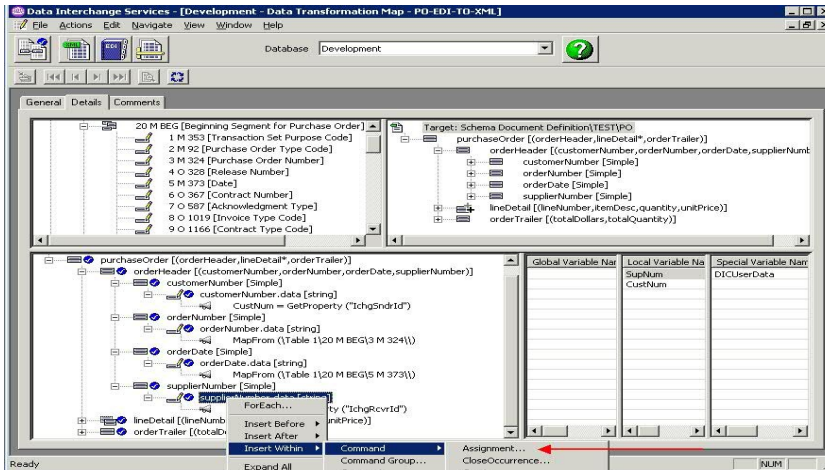
Create the Data Transformation Map 3/6



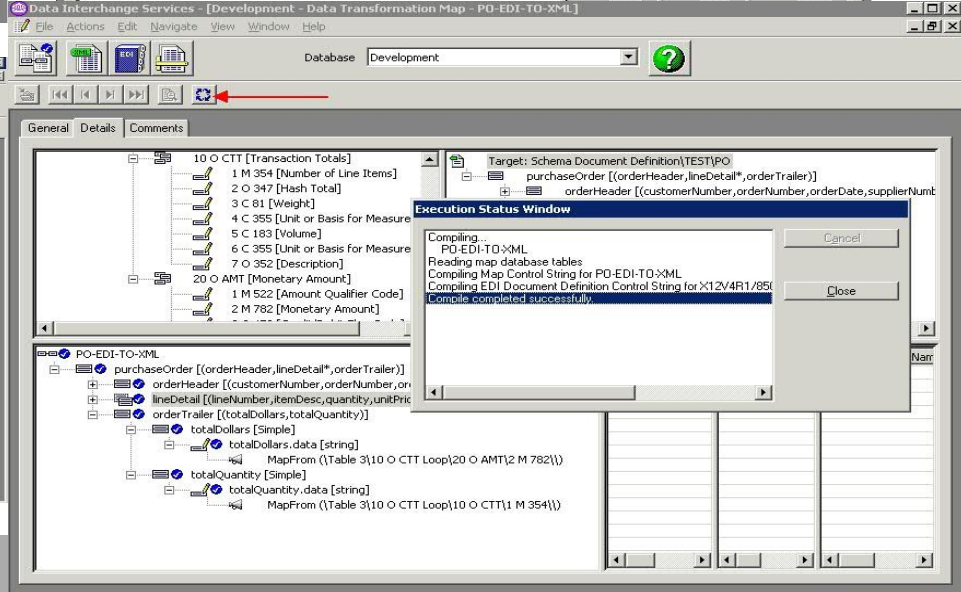
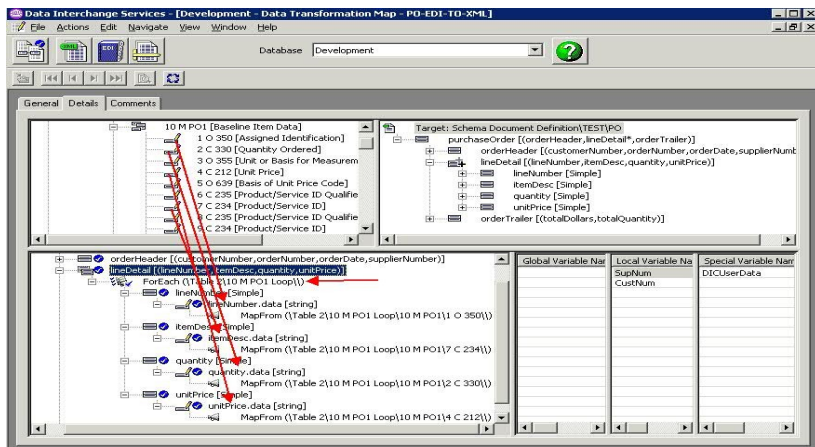
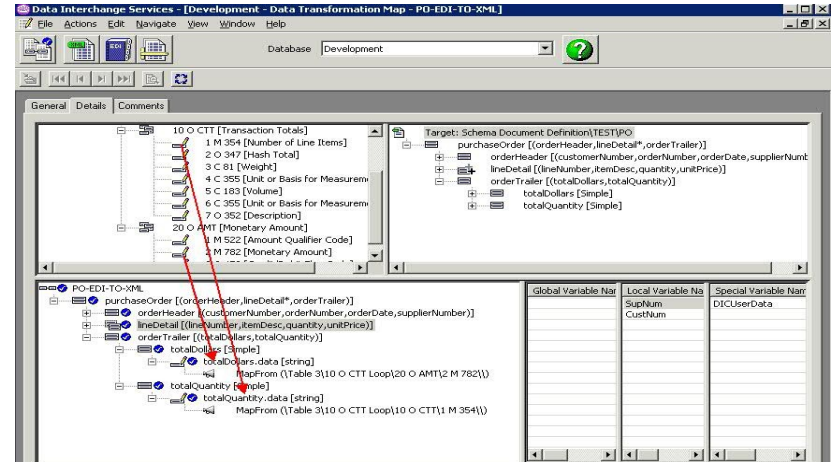
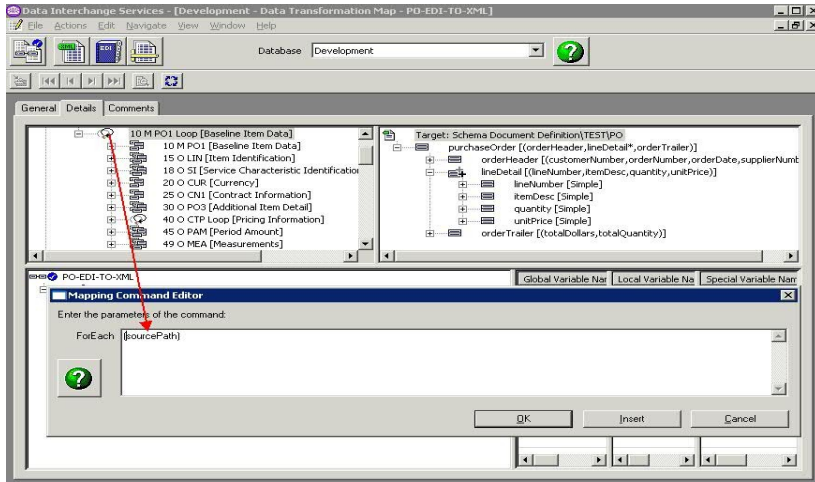
Create the Data Transformation Map 4/6



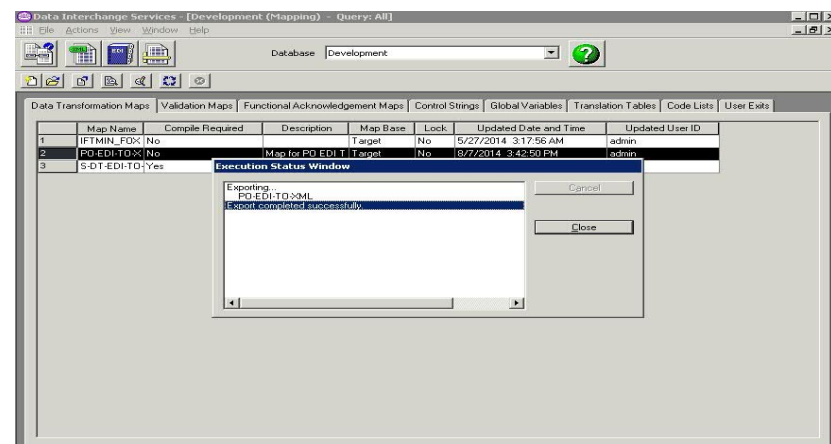
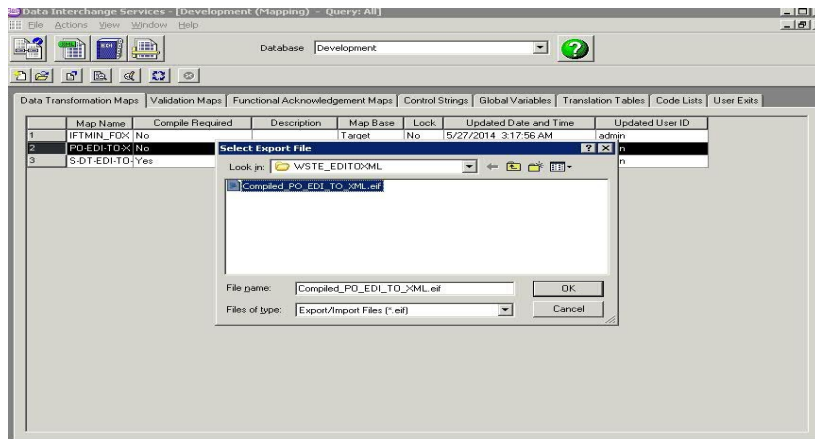
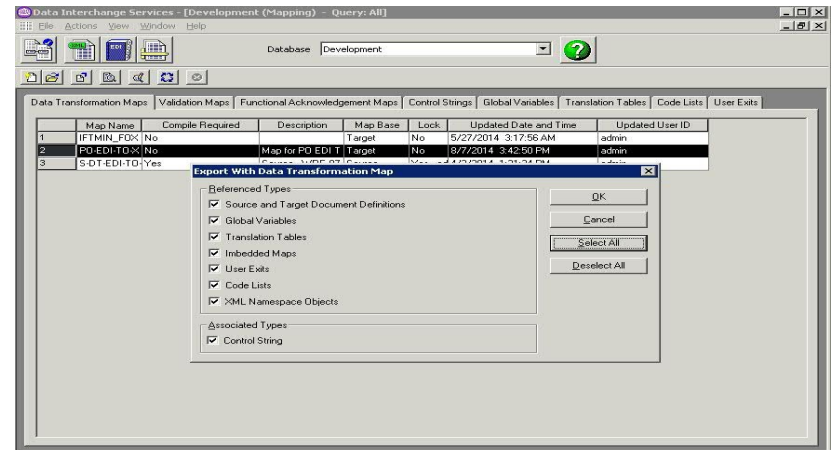
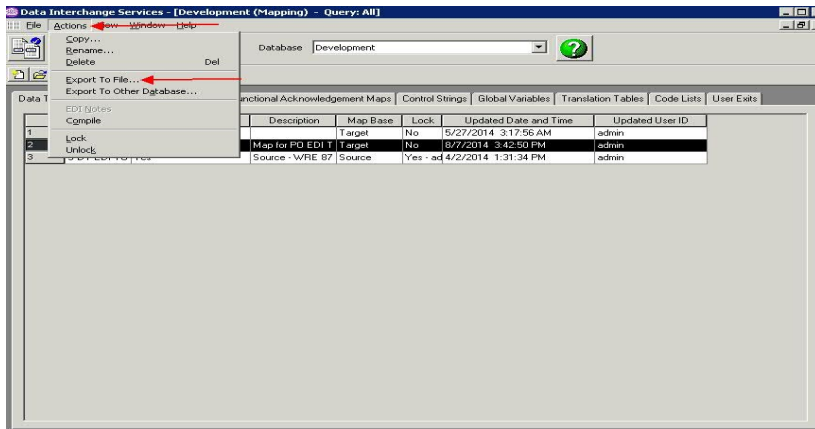
Create the Data Transformation Map 5/6



Create the Data Transformation Map 6/6

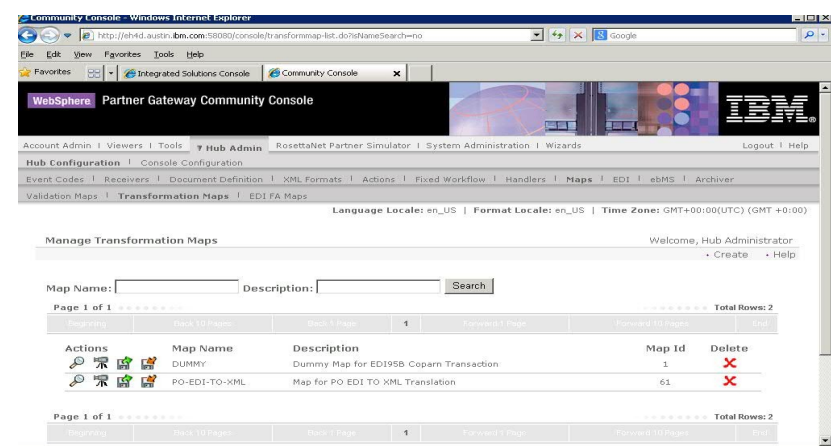
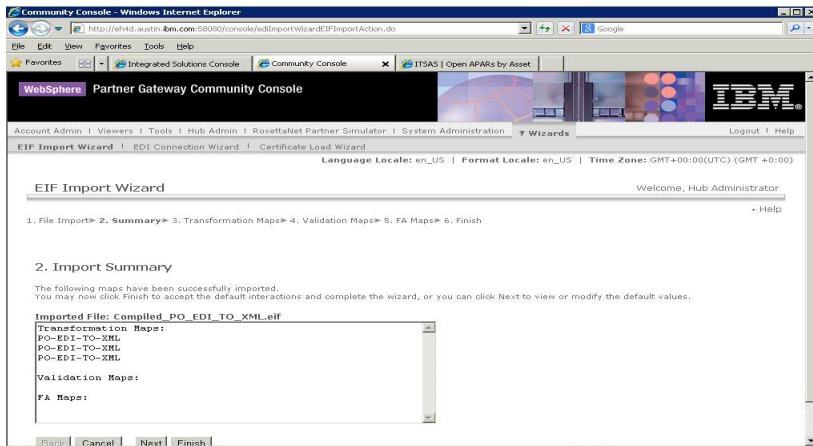
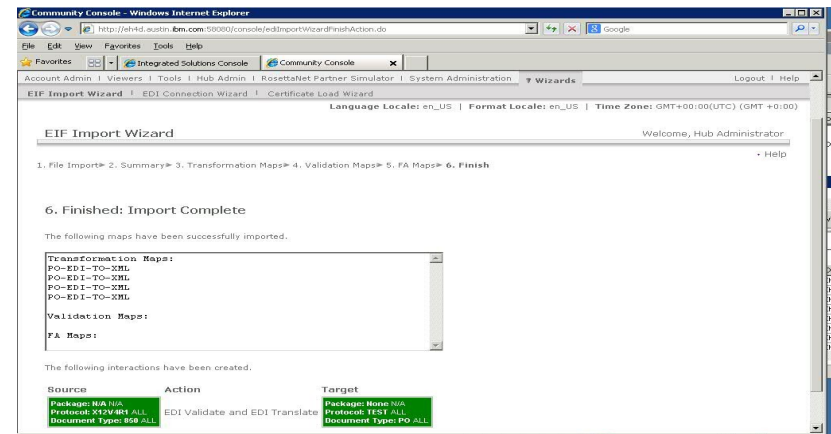
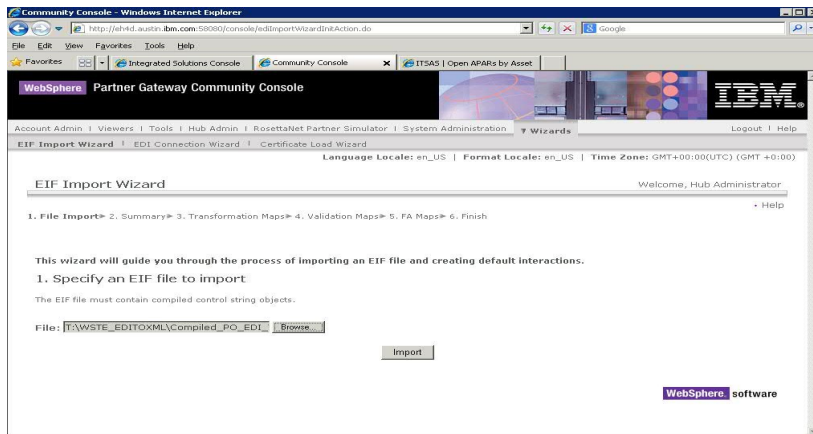


Export the Data Transformation Map



USE WPG Console To Create The Transaction Flow Artifacts

Import EDI to XML map control string to create flow interaction



Associate FA Map

Hub Configuration | Console Configuration

Event Codes | Receivers | Document Definition | XML Formats | Actions | Fixed Workflow | Handlers | **Maps** | EDI | ebMS | Archiver

Validation Maps | Transformation Maps | **EDI FA Maps**

Language Locale: en_US | Format Locale: en_US | Time Zone: GMT+00:00(UTC) (GMT +0:00)

FA Map Association

+ Manage EDI Functional Acknowledgement Maps + Help

Map Name: &DT_FA997V3R7

Description: Functional Acknowledgment 997 - X12V3R7

System Level

- Package: AS
- Package: None
- Package: Backend Integration (1.0)
- Package: N/A
 - Protocol: Binary (1.0)
 - Protocol: X12V4R1 (ALL)

Create Interactions

1/2

Create Interaction

Welcome, Hub Administra

• Manage Interactions • F

Select one Document Definition each from the Source and Target column, and then fill in the data fields.

Source *						Target *					
0	1	2	3	4	All	0	1	2	3	4	All
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					Package: AS						Package: AS
					Package: None						Package: None
					Package: Backend Integration (1.0)						Package: Backend Integration (1.0)
					Package: N/A						Package: N/A
					Protocol: Binary (1.0)						Protocol: Binary (1.0)
					Protocol: X12V4R1 (ALL)						Protocol: X12V4R1 (ALL)
					Protocol: EDI95B (ALL)						Protocol: EDI95B (ALL)
					Protocol: &X44TA1 (ALL)						Protocol: &X44TA1 (ALL)
					Protocol: &WDIEVAL (ALL)						Protocol: &WDIEVAL (ALL)
					Protocol: &DTCTL21 (ALL)						Protocol: &DTCTL21 (ALL)
					Protocol: &DTCTL (ALL)						Protocol: &DTCTL (ALL)
					Protocol: &DT99933 (ALL)						Protocol: &DT99933 (ALL)
					Protocol: &DT99737 (ALL)						Protocol: &DT99737 (ALL)
					Document Type: 997 (ALL)						Document Type: 997 (ALL)

Transform map

Select Transform Map

Action *

Pass Through

Save Cancel Reset

Create Interactions

2/2

Create Interaction

Welcome, Hub Administrator

• Manage Interactions • Help

Select one Document Definition each from the Source and Target column, and then fill in the data fields.

Source *						Target *					
0	1	2	3	4	All	0	1	2	3	4	All
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					Package: AS						Package: AS
					Package: None						Package: None
					Package: Backend Integration (1.0)						Protocol: Binary (1.0)
					Package: N/A						Protocol: TEST (ALL)
					Protocol: Binary (1.0)						Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)
					Protocol: X12V4R1 (ALL)						Protocol: ErrorFlowDocument (1.0)
					Protocol: EDI95B (ALL)						Protocol: Web Service (1.0)
					Protocol: &X44TA1 (ALL)						Protocol: cXML (1.2.009)
					Protocol: &WDIEVAL (ALL)						Protocol: EDI-Consent (ALL)
					Protocol: &DTCTL21 (ALL)						Protocol: EDI-EDIFACT (ALL)
					Protocol: &DTCTL (ALL)						Protocol: EDI-X12 (ALL)
					Protocol: &DT99933 (ALL)						Document Type: ISA (ALL)
					Protocol: &DT99737 (ALL)						Package: Backend Integration (1.0)
					Protocol: &DT99735 (ALL)						Package: N/A
					Protocol: &DT99724 (ALL)						Package: ebMS (2.0)
					Protocol: ebMS (2.0)						

Transform map

Select Transform Map

Action *

Pass Through

Save Cancel Reset

Enable B2B Capabilities

1/2

Community Console - Windows Internet Explorer
 http://eh4td.austin.ibm.com:56080/console/RoutingObjectExpand.do

Profile > TP1 > B2B Capabilities

Set Source	Set Target	Enabled	Edit	Document Definition
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Package: AS
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Package: None
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: Binary (1.0)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: TEST (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: Error/owDocument (1.0)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: Web Service (1.0)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: cXML (1.2.009)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: EDI-Consent (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: EDI-EDIFACT (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: EDI-X12 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Document Type: ISA (ALL) ←
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Package: Backend Integration (1.0)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Package: N/A
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: Binary (1.0)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: X12V4R1 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Document Type: B50 (ALL) ←

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: EDI95B (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &X44TA1 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &WDIEVAL (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &DTCTL21 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &DTCTL (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			Protocol: &DT99933 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Protocol: &DT99737 (ALL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Enabled		Document Type: 997 (ALL) ←

Enable B2B Capabilities

2/2

Profile » Manager » B2B Capabilities

Welcome, Hub Administrator

• Help

Set Source	Set Target	Enabled	Edit	Document Definition						
				0	1	2	3	4	All	
✓	✓	Enabled		Package: AS						
✓	✓	Enabled		Package: None						
				Protocol: Binary (1.0)						
	✓	Enabled		Protocol: TEST (ALL)						
	✓	Enabled		Document Type: PO (ALL)						←
				Protocol: &FUNC_ACK_METADATA_DICTIONARY (ALL)						
				Protocol: ErrorFlowDocument (1.0)						
				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 Type: ISA (ALL)						←
✓	✓	Enabled		Package: N/A						
				Protocol: Binary (1.0)						
				Protocol: X12V4R1 (ALL)						
				Protocol: EDI95B (ALL)						
				Protocol: &X44TA1 (ALL)						
				Protocol: &WDIEVAL (ALL)						
				Protocol: &DTCTL21 (ALL)						
				Protocol: &DTCTL (ALL)						
				Protocol: &DT99933 (ALL)						
✓		Enabled		Protocol: &DT99737 (ALL)						
				Document Type: 997 (ALL)						←
				Protocol: &DT99735 (ALL)						
				Protocol: &DT99724 (ALL)						
				Protocol: ebMS (2.0)						
				Protocol: EDI-Consent (ALL)						
✓	✓	Enabled		Protocol: EDI-EDIFACT (ALL)						
✓	✓	Enabled		Protocol: EDI-X12 (ALL)						
✓	✓	Enabled		Document Type: ISA (ALL)						←



Create Envelope Profile

Hub Admin | Console Configuration | Event Codes | Receivers | Document Definition | XML Formats | Actions | Fixed Workflow | Handlers | Maps | EDI | ebMS | Archiver

Envelope Profile | Envelope | Control Number Initialization | Current Control Numbers

Language Locale: en_US | Format Locale: en_US | Time Zone: GMT+00:00(UTC) (GMT +0:00)

Envelope Profiles > EnvProfile1 | Welcome, Hub Administrator

Envelope profile name: EnvProfile1

Description: [Text Field]

EDI Standard: X12

Envelope Profile Attributes

General Interchange Group Transaction

INTCTLEN : Interchange Control Number Length [9]

GRPCTLEN : Group Control Number Length [9]

TRXCTLEN : Transaction Control Number Length [9]

ENVTYPE : Envelope Type X12(EDI standard of the profile)

MAXDOCS : Max Transactions Number []

CTLNUMFLAG : Control Numbers by Transaction Id (Yes/No) [N]

Save | Cancel

Envelope Profile Attributes

General Interchange Group Transaction

- GS01 : Functional Group Id
- GS02 : Application Sender
- GS03 : Application Receiver
- GS04 : Group Date (Provided by the system at runtime)
- GS05 : Group Time (Provided by the system at runtime)
- GS06 : Group Control Number (Provided by the system at runtime)
- GS07 : Group Agency
- GS08 : Group Version

Envelope Profile Attributes

- General Interchange Group Transaction

- ST01 : Transaction Code (Set from document type at runtime)
- ST02 : Transaction Control Number (Provided by the system at runtime)
- ST03 : Implementation Convention Id String

- Envelope Profile Attributes
- General Interchange Group Transaction
- ISA01 : Authorization Information Qualifier 01
 - ISA02 : Authorization Information ISA0000002
 - ISA03 : Security Information Qualifier 02
 - ISA04 : Security Information ISA0000004
 - ISA05 : Interchange Sender Qualifier (Set in connection or protocol by Business Identifier (EDI Interchange Qualifier))
 - ISA06 : Interchange Sender Id (Set in connection or protocol by "To" Business Identifier (EDI Interchange Identifier))
 - ISA07 : Interchange Receiver Qualifier (Set in connection or protocol by "To" Business Identifier (EDI Interchange Qualifier))
 - ISA08 : Interchange Receiver Id (Set in connection or protocol by "To" Business Identifier (EDI Interchange Identifier))
 - ISA09 : Interchange Date (Provided by the system at runtime)
 - ISA10 : Interchange Time (Provided by the system at runtime)
 - ISA11 : Interchange Standards Id U
 - ISA12 : Interchange Version Id 00401
 - ISA13 : Interchange Control number (Provided by the system at runtime)
 - ISA14 : Acknowledge Requested
 - ISA15 : Test Indicator T
 - ISA16 : Subelement Separator (Provided by trading partner profile at runtime)

Activating Connections

Manage Connections Welcome, Hub Administrator
Advanced Search Help

Source: Search Reset Target:

Enabled	B2B Capabilities	Connection Details	B2B Capabilities	Deactivate	Help
	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: AS (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
	Package: None (N/A) Protocol: EDI-EDFACT (ALL) Document Type: UNB (ALL)	Activate	Package: N/A (N/A) Protocol: EDI-EDFACT (ALL) Document Type: UNB (ALL)		
	Package: N/A (N/A) Protocol: EDI95B (ALL) Document Type: COPARN (ALL)	Activate	Package: Backend Integration (I.0) Protocol: EDI95B (ALL) Document Type: COPARN (ALL)		
	Package: N/A (N/A) Protocol: X12V4R1 (ALL) Document Type: S97 (ALL)	Activate	Package: None (N/A) Protocol: TEST (ALL) Document Type: PO (ALL)		

Manage Connections Welcome, Hub Administrator
Advanced Search Help

Source: Search Reset Target:

Enabled	B2B Capabilities	Connection Details	B2B Capabilities	Deactivate	Help
	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: AS (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: AS (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
	Package: N/A (N/A) Protocol: 8DT99737 (ALL) Document Type: 997 (ALL)	Activate	Package: N/A (N/A) Protocol: 8DT99737 (ALL) Document Type: 997 (ALL)		

Manage Connections Welcome, Hub Administrator
Advanced Search Help

Source: Search Reset Target:

Enabled	B2B Capabilities	Connection Details	B2B Capabilities	Deactivate	Help
✓	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Attributes Actions Destinations Attributes	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	✗	
✓	Package: None (N/A) Protocol: EDI-EDFACT (ALL) Document Type: UNB (ALL)	Attributes Actions Destinations Attributes	Package: N/A (N/A) Protocol: EDI-EDFACT (ALL) Document Type: UNB (ALL)	✗	
✓	Package: N/A (N/A) Protocol: EDI95B (ALL) Document Type: COPARN (ALL)	Attributes Actions Destinations Attributes Add Connection Profile	Package: Backend Integration (I.0) Protocol: EDI95B (ALL) Document Type: COPARN (ALL)	✗	
✓	Package: N/A (N/A) Protocol: X12V4R1 (ALL) Document Type: S97 (ALL)	Attributes Actions Destinations Attributes Add Connection Profile	Package: None (N/A) Protocol: TEST (ALL) Document Type: PO (ALL)	✗	

Manage Connections Welcome, Hub Administrator
Advanced Search Help

Source: Search Reset Target:

Enabled	B2B Capabilities	Connection Details	B2B Capabilities	Deactivate	Help
	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: AS (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
✓	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Attributes Actions Destinations Certificates Attributes Add Connection Profile	Package: None (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	✗	
	Package: N/A (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)	Activate	Package: AS (N/A) Protocol: EDI-X12 (ALL) Document Type: ISA (ALL)		
✓	Package: N/A (N/A) Protocol: 8DT99737 (ALL) Document Type: 997 (ALL)	Attributes Actions Destinations Certificates Attributes Add Connection Profile	Package: N/A (N/A) Protocol: 8DT99737 (ALL) Document Type: 997 (ALL)	✗	

Configuring Attributes

Profile > TP1 > B2B Capabilities Welcome, Hub Administrator

Set Source	Set Target	Enabled	Edit	Document Definition						
				0	1	2	3	4	All	
✓	✓	Enabled								Package: AS
✓	✓	Enabled								Package: None
										Package: Backend Integration (1.0)
✓	✓	Enabled								Package: N/A
										Protocol: Binary (1.0)
✓		Enabled								Protocol: X12V4R1 (ALL)
✓		Enabled								Protocol: EDI95B (ALL)
										Protocol: &X44TA1 (ALL)
										Protocol: &WDIEVAL (ALL)
										Protocol: &DTCTL21 (ALL)
										Protocol: &DTCTL (ALL)
										Protocol: &DT99933 (ALL)
	✓	Enabled								Protocol: &DT99737 (ALL)

Profile > TP1 > B2B Capabilities Welcome, Hub Administrator

Package: N/A (N/A)
Protocol: X12V4R1 (ALL)

EDI	Delimiter	Validation	Attribute	Description	Current Value	Inheritance	Update	Reset
			Segment output	Indicates whether a line break should occur after each EDI segment or XML element.	Yes	Inherited from: Scope: Global Type: Segment output	Select one to update	
			Allow documents with duplicate document ids	Allow documents with duplicate document ids (Interchange Control numbers)	Yes	Locally Assigned	Yes	<input type="checkbox"/>
			Max error level at Transformation	The maximum number of errors that can occur during a transformation before the transformation fails.	0	Inherited from: Scope: Global Type: Max error level at Transformation	Select one to update	
			FAMap	Provides the map to use for creating an EDI Functional Acknowledgment.	&DT_FA997V3R7	Locally Assigned	&DT_FA997V3R7	<input type="checkbox"/>

Profile > TP1 > B2B Capabilities

Welcome, Hub Administrator

Set Source	Set Target	Enabled	Edit	Document Definition						
				0	1	2	3	4	All	
✓	✓	Enabled								Package: AS
✓	✓	Enabled								Package: None
										Package: Backend Integration (1.0)
✓	✓	Enabled								Package: N/A
										Protocol: Binary (1.0)
✓		Enabled								Protocol: X12V4R1 (ALL)
✓		Enabled								Protocol: EDI95B (ALL)
										Protocol: &X44TA1 (ALL)
										Protocol: &WDIEVAL (ALL)
										Protocol: &DTCTL21 (ALL)
										Protocol: &DTCTL (ALL)
										Protocol: &DT99933 (ALL)
	✓	Enabled								Protocol: &DT99737 (ALL)

Package: N/A (N/A)
Protocol: &DT99737 (ALL)

General	EDI	Delimiter	Validation	Attribute	Description	Current Value	Inheritance	Update	Reset
				Segment output	Indicates whether a line break should occur after each EDI segment or XML element.	Yes	Inherited from: Scope: Global Type: Segment output	Select one to update	
				Allow documents with duplicate document ids	Allow documents with duplicate document ids (Interchange Control numbers)	No	Inherited from: Scope: Global Type: Allow documents with duplicate document ids	Select one to update	
				Max error level at Transformation	The maximum number of errors that can occur during a transformation before the transformation fails.	0	Inherited from: Scope: Global Type: Max error level at Transformation	Select one to update	
				FAMap	Provides the map to use for creating an EDI Functional Acknowledgment.	No value provided	No value provided	Select one to update	
				Envelope Profile	The EDI envelope profile name to use for enveloping.	EnvProfile1	Locally Assigned	EnvProfile1	<input type="checkbox"/>
				Detailed validation of segment	Perform detailed validation of segment	No	Inherited from: Scope: Global Type: Detailed validation of segment	Select one to update	
				Connection Profile Qualifier	Used by EDI Envelope for segregating EDI Transactions into Envelopes.	No value provided	No value provided		
				Business Identifier (EDI Interchange Qualifier)	Business Identifier (EDI Interchange Qualifier)	01	Locally Assigned	01	<input type="checkbox"/>
				Business Identifier (EDI Interchange Identifier)	Business Identifier (EDI Interchange Identifier)	00000001	Locally Assigned	00000001	<input type="checkbox"/>
				Interchange usage indicator	Interchange usage indicator for production, test or information.	T	Locally Assigned	T	<input type="checkbox"/>

Run Transaction

Receiver Setup

Receiver Details

Welcome, Hub Administrator

[+ List](#) [+ Help](#)

Receiver Name FileDirRec
Status **Enabled**
Description
Transport File Directory

Receiver Configuration

Document Root Path: file://d:/temp/filedirrec
Poll Interval: 5.0 seconds
File Unchanged Interval: 3.0 seconds
Number of threads: 1

Handlers

Configuration Point Handlers:

Legend

- * Required fields
- ** If IPv6 address, Provide the numeric format not the Machine Name / Host Name

Allow Documents with Duplicate Document ID's

Document Definition type Protocol

Code EDI-X12

Name EDI-X12

Version ALL

Description EDI-X12

Document level No

Status Enabled

Visibility Hub Administrator Internal Partner External Partner

Validation maps **Upload map**
No maps found

Document Definition Context Attributes

Welcome, Hub Administrator

[Add attributes](#) [Help](#)

Attribute	Description	Current Value	Inheritance	Update	Reset
Allow documents with duplicate document ids	Allow documents with duplicate document ids (Interchange Control numbers)	Yes	Locally Assigned	Yes	<input type="checkbox"/>
AMap	Provides the map to use for creating an EDI Functional Acknowledgment.	No value provided	No value provided	Select one to update	

Save

Manage Document Definitions

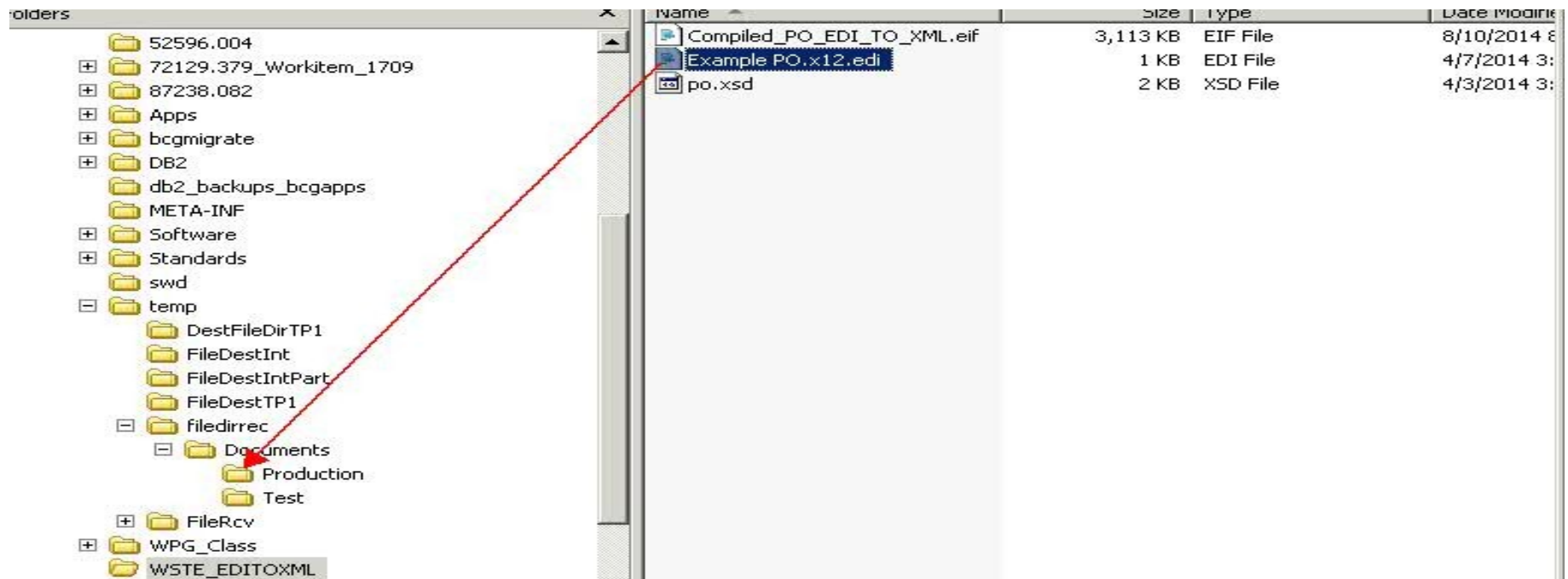


Input File

```

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~11~11111111111111111111~SPECIAL>
REF~23~67868767685478345378~SPECIAL>
REF~2S~WIN00011122200001001~SPECIAL>
N1~ST~Sweet Tooth Inc.~ZZ~888888888888888888>
N2~c/o Candy Cane>
N3~1111 Cocoa Lane~Department 55W>
N4~Sugarville~FL~336331234>
PO1~1~12~EA~99950~WH~MG~PN000000000000000000000000000001~IN~11111111111111111111~UP~1234567890>
PO1~2~24~DZ~119.98~WH~MG~PN000000000000000000000000000002~IN~I3429234409243923434~UP~2123456789>
PO1~3~48~GS~7.5~WH~MG~PN3~IN~I33333333333333333333~UP~4103283290>
PO1~4~144~BX~22.95~WH~MG~PN4438909234842390432889042389~IN~I44444444444444444444~UP~1234567890>
CTT~4~228>
AMT~1~1205944.32>
SE~16~0015>
GE~1~02>
IEA~1~000000002>
    
```

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							
	<input type="checkbox"/> Source: Manager	In: 8/20/14 7:52:07 PM	 (0.271 kb)	N/A (N/A) EDI-X12 (ALL) ISA: ISA(ALL)			
	<input type="checkbox"/> 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: -							
	<input type="checkbox"/> Source: Manager	In: 8/20/14 7:51:15 PM	 (0.047 kb)	N/A (N/A) &DT99737 (ALL) 997: 997(ALL)			
	<input type="checkbox"/> Target: TP1	Out:	 (0.047 kb)	N/A (N/A) &DT99737 (ALL) 997: 997(ALL)	Production		
Document ID: 000000002							
Doc Time Stamp: 041115-2010							
	<input type="checkbox"/> Source: TP1	In: 8/20/14 7:51:13 PM	 (0.718 kb)	N/A (N/A) X12V4R1 (ALL) 850: 850(ALL)			
	<input type="checkbox"/> 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							
	<input type="checkbox"/> Source: TP1	In: 8/20/14 7:51:13 PM	 (0.926 kb)	None (N/A) EDI-X12 (ALL) ISA: ISA(ALL)			
	<input checked="" type="checkbox"/> 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=11111111-0000-0000-000000001147>
- 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:
<http://www.ibm.com/software/support/einfo.html>

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 - ▶ Ask the Experts Sessions
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- Blog & Forums
- Training videos, IEA modules
- Event Readiness
- Proactive Services Offerings
- Essential Links to key sites
 - ▶ IBM Support Portal
 - ▶ Client Success Portal
 - ▶ Fix Central

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<http://ibm.biz/Client-Success-Essentials>

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