

WmEDISamples

Built-In Services

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Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 WmEDISamples Package

The WmEDISamples package is available for download under *Tips, Tricks, and Code* in the Software AG TECHcommunity website at http://techcommunity.softwareag.com. The samples in this package are certified and tested by Software AG.

2 EDIFFSchema

The EDIFFSchema folder contains flat file schemas and dictionaries that other services in the WmEDISamples package can use to validate EDI documents and sample flat file schemas.

2.1 EDIFFSchema.FlatFile:CSVSchema

Sample flat file schema for a comma separated values (CSV) flat file.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.2 EDIFFSchema.FlatFile:Dictionary

Sample flat file schema dictionary.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.3 EDIFFSchema.FlatFile:Example1

Sample flat file schema.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.4 EDIFFSchema.FlatFile:Example2

Sample flat file schema.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.5 EDIFFSchema. UNEDIFACT. V98A: Dictionary

Sample flat file schema dictionary.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.6 EDIFFSchema.UNEDIFACT.V98A:TORDERS

Flat file schema to parse and validate a UN/EDIFACT 98A ORDERS document.

2.7 EDIFFSchema.X12.V4010:Dictionary

Sample flat file schema dictionary.

For more information about flat file schemas and dictionaries, see *Flat File Schema Developer's Guide*.

2.8 EDIFFSchema.X12.V4010:T810

Flat file schema to parse and validate the ANSI X12, version 4010, and version 810 documents.

2.9 EDIFFSchema.X12.V4010:T850

Flat file schema to parse and validate the ANSI X12, version 4010, and version 850 documents.

2.10 EDIFFSchema.X12.V4010:T997

Flat file schema to parse and validate the ANSI X12, version 4010, and version 997 documents.

3 Tutorial.EDItoXML

The services in this folder illustrate how to map an EDI document to an XML document.

3.1 Tutorial.EDItoXML:EDItoXMLPOMap

Illustrates how to convert an EDI document into a different format. (For example, an XML PO).

Input Parameters:

Parameter	Description
EDIValues	Document Source EDI transaction set.

Output Parameters:

Parameter	Description
POTarget	Document Target XML document.
mappingStatus	String Status of the mapping result.

Usage Notes:

This is the main ANSI X12-to-XML target mapping service. This service uses the mapping services in the Tutorial. EDItoXML:segmentMapping folder described in the following section.

See Also:

Tutorial.Records:POTarget

3.2 Tutorial.EDItoXML:dateParse

Parses out the date from YYMMDD or YYYYMMDD to the pipeline variables.

Input Parameters:

Parameter	Description
date	String Date input in format "YYMMDD" or "YYYYMMDD".

Output Parameters:

Parameter	Description
newYear	String Four digit year.
newMonth	String Two digit month.
newDay	String Two digit day.

Parameter	Description
newHour	String Current time in hour.
newMinute	String Current time in minute.
newSecond	String Current time in second.

Usage Notes:

Output variable status is not used.

3.3 Tutorial.EDItoXML:processEDI850_4010

Illustrates how to convert an X12 4010 850 document to an XML string.

Input Parameters:

Parameter	Description
edidata	String Sample X12 4010 850 document.

Output Parameters:

Parameter	Description
xmldata	String Output XML string.

Usage Notes:

The sampleServices:X12toValues service is used to generate an IData object from the EDI document. The pub.xml:documentToXMLString service is used to generate an XML String.

4 Tutorial.EDItoXML:segmentMapping

The services in this folder are used to map the ANSI X12 segments to the XML targets. The Tutorial.EDItoXML:EDItoXMLPOMap service uses these services.

5 Tutorial.Flatfile

The services in this folder illustrate how to convert the two main types of flat files (character-delimited and positional) to an IData object using a template and a flat file as input.

5.1 Tutorial.FlatFile:parseCsvInputS

Illustrates how to convert a character-delimited flat file to an IData object using a template and the flat file as input.

input Parameters:
None.
Output Parameters:
None.
See Also:
Tutorial.Records:rec_XCEL

5.2 Tutorial.FlatFile:parseFlatFile

Illustrates how to convert a positional flat file to an IData object using a template and the flat file as input. The flat file is created using Microsoft Excel.

Input Parameters: None. Output Parameters: None. See Also: Tutorial.Records:rec_FF

5.3 Tutorial.FlatFile:parseFlatFile2

Illustrates how to convert a positional flat file to an IData object using a template and a flat file as input. The flat file is created using Microsoft Excel.

Input Parameters:

None.

Output Parameters:

None.

See Also:

Tutorial.Records:rec_FF2

6 Tutorial.Records

The IS document types in this folder are used for mapping purposes in the following three folders: Tutorial.EDItoXML, Tutorial.XMLtoEDI, and Tutorial.Flatfile.

6.1 Tutorial.Records:POSource

Reflects the source XML document that the services in the Tutorial.XMLtoEDI folder use.

6.2 Tutorial.Records:POTarget

Reflects the target XML document that the services in the Tutorial.EDItoXML folder use.

6.3 Tutorial.Records:rec_FF

The IS document type that the flat file sample in Tutorial.FlatFile:parseFlatFile uses. It also represents the output of the service.

6.4 Tutorial.Records:rec_FF2

The IS document type that the flat file sample in Tutorial.FlatFile:parseFlatFile2 uses. It also represents the output of the service.

6.5 Tutorial.Records:rec_XCEL

The IS document type that the flat file sample in Tutorial.FlatFile:parseCsvInput uses. It also represents the output of the service.

7 Tutorial.XMLtoEDI

The services in this folder illustrate the mapping and converting of an XML document into an EDI document.

7.1 Tutorial.XMLtoEDI:XMLPOtoEDIMap

Maps an XML PO to an ANSI X12 4010 850 EDI document.

This service invokes many mapping services that are available in the Tutorial.XMLtoEDI.segmentMapping folder.

Input Parameters:

Parameter	Description
POSource	Document PO that uses the format defined in the Tutorial.Records:POSource IS document type. This represents the XML PO document structure.

Output Parameters:

Parameter	Description	
EDIT850_4010	Document X12 4010 850 EDI document X12 4010 850 IS document X12_4010_850 IS document X12_4010_85	ment that uses the format defined in the ment type.
	Variable in EDIT850_4010	Description
	ST	Document EDI segment from which the IDATA object starts.

7.2 Tutorial.XMLtoEDI:XMLdateConversionToDateTime

Converts the date and time format based on the input specifications.

Input Parameters:

Parameter	Description
XMLDate	String Input date in the YYYYMMDD hh:mm:ss format.
yearDigit	String (optional) Number of digits for year in the output. Default is set to four.

Output Parameters:

Parameter	Description
date	String Date.
time	String Time.

7.3 Tutorial.XMLtoEDI:appendSegment

Appends an IData object that represents a segment to an array of IData objects.

Input Parameters:

Parameter	Description
record	Document Segment to add.
recordList	Document List Array of IData objects to which the segment will be appended.

Output Parameters:

Parameter	Description
recordList	Document List Array of IData objects to which the segment is appended.

7.4 Tutorial.XMLtoEDI:conditionalTruncate

Truncates an input String to a specified length.

Input Parameters:

Parameter	Description
inString	String Input string.
truncateLength	String Length to truncate.

Output Parameters:

Parameter	Description
outString	String Resulting truncated string.

7.5 Tutorial.XMLtoEDI:processXMLSource

Converts an input XML document into an IData object and maps the IData object into a string that represents an EDI document.

Input Parameters:

Parameter	Description
xmldata	String (optional) Input XML document.

Output Parameters:

Parameter	Description
EDIDocument	String (optional) ANSI X12 850 document.

7.6 Tutorial.XMLtoEDI:replaceControlChar

Replaces the control characters, such as carriage return, line feed, tab, and so on, with the specified string.

Input Parameters:

Parameter	Description
inString	String Input string.
replaceString	String Character string used to replace the control characters.

Output Parameters:

Parameter	Description
outString	String Resulting string.

8 Tutorial.XMLtoEDI.segmentMapping

This folder contains segment mappings that map from an XML source to an EDI segment. You can use these as examples for your own mapping needs.

8.1 Tutorial.XMLtoEDI.segmentMapping:XMLToBEG

Maps an XML document equivalent to a BEG segment to an IData object that represents a BEG segment. This service uses the Tutorial.XMLtoEDI:XMLdateConversionToDateTime service.

8.2 Tutorial.XMLtoEDI.segmentMapping:XMLToDTM

Maps an XML document equivalent to a DTM segment to an IData object that represents a DTM segment. This service uses the Tutorial.XMLtoEDI:XMLdateConversionToDateTime and Tutorial.XMLtoEDI:appendSegment services.

8.3 Tutorial.XMLtoEDI.segmentMapping:XMLToFOB

Maps an XML document equivalent to a FOB segment to an IData object that represents a FOB segment. This service uses the Tutorial.XMLtoEDI:appendSegment service to append a FOB IData object to an array of FOB IData objects.

8.4 Tutorial.XMLtoEDI.segmentMapping:XMLToGS

Maps an XML document equivalent to a GS segment to an IData object that represents a GS segment.

8.5 Tutorial.XMLtoEDI.segmentMapping:XMLToISA

Maps an XML document equivalent to an ISA segment to an IData object that represents an ISA segment.

8.6 Tutorial.XMLtoEDI.segmentMapping:XMLToN1

Maps an XML document equivalent to a N1 segment to an IData object that represents a N1 segment.

8.7 Tutorial.XMLtoEDI.segmentMapping:XMLToPO1_CTT

Maps an input XML source line item to the ANSI X12 850 PO1 and CTT segments.

Input Parameters:

Parameter	Description
LineItem	Document List XML source line items.

Output Parameters:

Parameter	Description	
POTotal	String (optional) Maps to AMT02 in the AMT segment under the CTT segment.	
PO1	Document List PO1 loop for the ANSI X12 850 transaction set.	
CTT	Document List CTT segment for the ANSI X12 850 transaction set.	

8.8 Tutorial.XMLtoEDI.segmentMapping:XMLToREF

Creates a REF segment loop for the ANSI X12 850 transaction sets.

Input Parameters:

Parameter	Description	
CustomerPONumber	String Purchase order number.	
AccountingCode	Document List Accounting code.	

Output Parameters:

Parameter	Description	
REF	Document List REF segment loop for the ANSI X12 850 transaction set.	

8.9 Tutorial.XMLtoEDI.segmentMapping:XMLToTD5

Creates a TDS5 segment loop for the ANSI X12 850 transaction sets.

Input Parameters:

Parameter	Description
ShipMethodCode	String Ship method code.
ShipmentPriorityCode	Srtring Shipment priority code.

Output Parameters:

Parameter	Description
TD5	Document List TD5 segment loop for the ANSI X12 850 transaction set.

8.10 Tutorial.XMLtoEDI.segmentMapping:XMLToTXI

Creates a TXI segment loop for the ANSI X12 850 transaction sets.

Input Parameters:

Parameter	Description
TaxExemptCode	String Tax exempt code.
TaxExemptNumber	String Tax exempt number.

Output Parameters:

Parameter	Description
TXI	Document List TXI segment loop for the ANSI X12 850 transaction set.

9 Tutorial.properties

This folder contains a Java service that obtains the trading partner-specific information. This information is used by the mapping services in the Tutorial.XMLtoEDI.segmentMapping folder to create the Interchange Header/Trailer.

9.1 Tutorial.properties:getProperties

Retrieves properties that are defined in the partner's configuration file.

Input Parameters:

Parameter	Description	
B2B_config_file	String Configuration file name.	
properties	String List Property names and values to retrieve.	

Output Parameters:

Parameter	Description
values	String List Retrieved property names and values.

10 Sample Flow Services

The following sample flow services illustrate how you can use different built-in services and features of Module for EDI to process your documents:

10.1 sampleServices:Iterator810

Demonstrates the use of the *iterator* variable in the wm.b2b.edi:convertToValues service to parse large input data. Every time the wm.b2b.edi:convertToValues service is invoked, the iterator variable is set to true.

The format of the EDIFFSchema.X12.V4010:Sample810_Large flat file schema indicates how the service processes the sample 810 document. This flat file schema defines three top-level segment structures: ST, IT1, and TDS.

The first time the Iterator810 service invokes the wm.b2b.edi:convertToValues service, the ST segment structure is processed. It reads the input data from the sample 810 document until it encounters the next top-level segment structure, which is, the first IT1 segment structure. Next, the Iterator810 service invokes the wm.b2b.edi:convertToValues service for each IT1 segment structure until it encounters the TDS segment structure. After processing the TDS segment structure, the Iterator810 service exits the REPEAT loop if there is no more input data. The Iterator810 service determines that there is no more input data when ediObject, an output parameter from the wm.b2b.edi:convertToValues service, is null.

Because the wm.b2b.edi:convertToValues service always returns its output in *EDIValues*, each pass of the service invocation should save the output or map it somewhere else. In this example, the main iteration maps each segment under ISA. In the iteration steps under the ST segment, an empty sequence operation is used. This can be replaced by the services that process one item in the invoice. The services have access to the current items and all the information in ISA, GS, ST, and other segments under ST. This service does not validate or check the structure of any segments.

Input Parameters:

Parameter	Description	
edidata	String EDI 810 document of ANSI X12 version 4010. If it is not specified, then the default sample document is used.	

Output Parameters:

Parameter	Description	
Values	Document List 810 document structure that is defined in the EDIFFSchema.X12.V4010:Sample810_Large flat file schema.	
EDIValues	Document Single invoice item. This is displayed only after the sub-level iterator call.	

10.2 sampleServices:UNEDIFACTtoValues

Illustrates an example flow service for an inbound UN/EDIFACT document.

Input Parameters:

Parameter	Description		
edidata	String UN/EDIFACT standard document.		
complianceCheck	String (optional) Whether the compliance check is required. Specify either true or false.		
	Value of complianceCheck	Meaning	
	True	Compliance check is required.	
	False	Compliance check is not required.	
Validate	String (optional)		
	Value of validate	Meaning	
	True	Validation check is required.	
	False	Validation check is not required.	
returnErrors	String (optional) How you want this service to return error messa when <i>validate</i> is set to true. Specify one of the following:		
	Value of validate	Meaning	
	asArray	Return validation errors with the <i>edidata</i> in an array called <i>errors</i> . This is the default.	
	inResults	Return validation errors in the <i>EDIValues</i> object.	
	Both	Return validation errors in both <i>errors</i> and <i>EDIValues</i> .	

Output Parameters:

Parameter	Description
Values	Document Output of the UN/EDIFACT document in IData object format.

10.3 sampleServices:X12toValues

Illustrates an example flow service for an inbound ANSI X12 document.

Input Parameters:

Parameter	Description
edidata	String EDI document.

Parameter	Description	
docProcessingSvc	String Service to process an ANSI X12 transaction.	
complianceCheck	either true or false.	e compliance check is required. Specify Meaning
	True	Compliance check is required.
validate	false String (optional)	Compliance check is <i>not</i> required.
	Value of validate	Meaning
	True	Validation check is required.
	false	Validation check is not required.
returnErrors	String (optional) How you want this service to return error messages when <i>validate</i> is set to true. Specify one of the following: Value of validate Meaning	
	asArray	Return validation errors with the <i>edidata</i> in an array called <i>errors</i> . This is the default.
	inResults	Return validation errors in the <i>EDIValues</i> object.
	both	Return validation errors in both <i>errors</i> and <i>EDIValues</i> .

Output Parameters:

Parameter	Description
Values	Document Output of the ANSI X12 document in IData object format.

11 Sample Business Process

The WmEDISamples package provides a sample that illustrates the use of the EDI documents in a business process. Before you read the overview of the sample, you should set it up and run it.

To set up a sample business process:

Note: If you also want to run the sample provided for webMethods EDIINT Module (which is, also included in the WmEDISamples package), then set up the EDIINT Module sample *before* setting up this sample business process.

1. Download the WmEDISamples package under *Tips, Tricks, and Code* in the Software AG TECH-community website at http://techcommunity.softwareag.com.

IMPORTANT: You should delete the WmEDISamples package before you move into production.

- 2. Open the Server Administrator.
- In the navigation panel: Packages > Management, click WmEDISamples home icon.
 The Server Administrator displays the webMethods Module for EDI Sample in a new browser window.
- 4. In the navigation panel of webMethods Module for EDI Sample page, click Overview.
- 5. To continue, follow the instructions in the Overview page.

The following sections describe the services that are used in the execution and setup of the sample:

11.1 wm.b2b.editn.sample.setup:setupSample

Creates the partner profiles and TN document types for the sample, if they do not exist.

Input Parameters:

Parameter	Description	
SenderCorporateName	String Corporate name of the sender's profile.	
SenderDuns	String Sender's D-U-N-S number.	
SenderHost	String Machine name of the sender.	
SenderPort	String Machine name of the sender.	
SenderUserName	String User name used to connect to the sender's machine.	
SenderPassword	String Password used to connect to the sender's machine.	
ReceiverCorporate- Name	String Corporate name of the receiver's profile.	
ReceiverDuns	String Receiver's D-U-N-S number.	
ReceiverHost	String Machine name of the receiver.	

Parameter	Description
ReceiverPort	String Port on which the receiver will view the data.
ReceiverUsername	String User name used to connect to the receiver's machine.
ReceiverPassword	String Password used to connect to the receiver's machine.

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service. If you also want to run the sample provided for webMethods EDIINT Module in the WmEDISamples package, set up the EDIINT Module sample *before* setting up the WmEDIforTN sample.

11.2 wm.b2b.editn.sample.setup:setupEDIBizDocTypes

Installs the TN document types that are required for the EDI documents used in the sample.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service.

11.3 wm.b2b.editn.sample.setup:setupXMLBizDocTypes

Installs the TN document types that are needed for the XML documents used in the sample.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service.

11.4 wm.b2b.editn.sample.setup?rofile

Sets up the profile for partners in the sample.

Input Parameters:

Parameter	Description	
CorporationName	String Corporate name for the profile.	
DUNS	String External ID for the profile.	
Host	String Machine name.	
port	String Port for this profile.	
url	String URL to connect to.	
User	String User name for this profile.	
Password	String Password for the profile.	

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service.

11.5 wm.b2b.editn.sample.receiver:Process850

Receives EDI X12 4010 850 and generates an 855 in response.

Input Parameters:

None.

Output Parameters:

Parameter	Description
edidata	String EDI 855 document.

Usage Notes:

The 'EDI Seller 850-855' business process invokes this service.

11.6 wm.b2b.editn.sample.receiver:Send997

Transmits a 997 document to the trading partner of the receiver.

Input Parameters:

Parameter	Description
997	String Text of an EDI 977 document.

Output Parameters:

None.

Usage Notes:

The 'Receiver EDI Envelope' business process invokes this service.

11.7 wm.b2b.editn.sample.receiver:Generate997

Creates a 997 document in response to an X12 Envelope.

Input Parameters:

Parameter	Description
X12Env	Document X12 envelope.
Edidata	String X12 Envelope used to generate the 997 functional acknowledgement.

Output Parameters:

Parameter	Description
997	String 977 document.

Usage Notes:

The 'Receiver EDI Envelope' business process invokes this service.

11.8 wm.b2b.editn.sample.receiver:Send855

Sends an EDI 855 document to the trading partner of the sender.

Input Parameters:

Parameter	Description	
. di dillotoi	200011211011	

Parameter	Description
edidata	String Text of an EDI 855 document.

Output Parameters:

None.

Usage Notes:

The 'EDI Seller 850-855' business process invokes this service.

11.9 wm.b2b.editn.sample.receiver:ProcessEnvelope

Represents where an envelope processing would occur in a business process.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

The 'Receiver EDI Envelope' business process invokes this service.

11.10 wm.b2b.editn.sample.util:getLastDocuments

Retrieves the BizDocEnvelopes for events that occurred in a business process.

Input Parameters:

Parameter	Description
parameters	Document Provided by the process run time facility of the Integration Server. The process run time facility manages the execution of business processes.
documents	Document Provided by the process run time facility of the Integration Server.
getContent	String Whether the document content that is saved in the BizDocEnvelope should be retrieved.
lastEvents	String List Names of the most recent event(s) that occurred in the business process.

Output Parameters:

Parameter	Description
recordCount	String Number of events returned.
events	Document List (optional) BizDocEnvelopes for all the document events.

11.11 wm.b2b.editn.sample.util:enable

This service places a variable in the pipeline that alters the way in which the conversation IDs are constructed for the EDI documents.

To run both sides of a conversation on a single instance of the Integration Server, the construction of the conversation IDs is enforced as the ReceiverID-SenderID-InstanceID.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

This service should be used only for demonstration purposes. The conversation ID is only constructed this way if the variable is present in the pipeline when the service wm.tn:receive is invoked.

11.12 wm.b2b.editn.sample.util:return997

Determines whether a 997 should be sent in response to a document.

Input Parameters:

Parameter	Description
parameters	Document Provided by the process run time facility of the Integration Server. The process run time facility manages the execution of business processes.
documents	Document Provided by the process run time facility of the Integration Server.

Output Parameters:

Parameter	Description
X12Env	Document BizDocEnvelope of the previous business process event that occurred.
send997	String Whether a 997 should be sent. If a 997 should be sent, then specify true, otherwise specify false.

11.13 wm.b2b.editn.sample.util:getBizDocFromEvent

Retrieves the BizDocEnvelopes for the events that occurred in a business process.

Input Parameters:

Parameter	Description
parameters	Document Provided by the process run time facility of the Integration Server. The process run time facility manages the execution of business processes.
documents	Document Provided by the process run time facility of the Integration Server.
getContent	String Whether the document content that is saved in the BizDocEnvelope should be retrieved.
<i>lastEvents</i>	String List Names of the most recent event(s) that occurred in the business process.

Output Parameters:

Parameter	Description
bizEnv	Document The BizDocEnvelope.

11.14 wm.b2b.editn.sample.util:checkSetup

Checks the system to determine whether the sample is configured properly or otherwise.

Input Parameters:

None.

Output Parameters:

Parameter	Description
setupProperly	String Whether all the components of the sample are configured properly. If configured properly, then specify true, otherwise specify false.
profilesOkay	String Whether the trading partner profiles for the sample are present. If the profiles are present, then specify true, otherwise specify false.
docsOkay	String Whether the TN document types for the sample are present. If the TN document types are present, then specify true, otherwise specify false.
scriptsOkay	String Whether the process models for the sample are present. If the process models are present, then specify true, otherwise specify false.

11.15 wm.b2b.editn.sample.util:receive

Alternate receive method that first calls wm.b2b.editn.sample.util:enable and then the wm.tn:receive service.

This is to enforce the conversation IDs in such a way that both sides of the conversation are executed on a single instance of the Integration Server.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service.

11.16 wm.b2b.editn.sample.util:deliver

Deliver BizDocEnvelopes from one trading partner to another. The default method is to use the Secondary HTTP delivery method that is specified in the receiver's trading partner profile.

Input Parameters:

Parameter	Description
bizdoc	Document BizDocEnvelope to deliver.

Output Parameters:

None.

Usage Notes:

Only the sample web pages should invoke this service.

11.17 wm.b2b.editn.sample.sender:Process997

This is a placeholder service that represents the processing of a 997 performed by the sender.

Input Parameters:

None.

Output Parameters:

None.
Usage Notes: The 'Send EDI Envelope' business process invokes this service.
11.18 wm.b2b.editn.sample.sender:Log850
This is a placeholder service that represents the logging of an outbound 850 message by the sender.
Input Parameters: None.
Output Parameters:
None.
Usage Notes: The 'EDI Buyer 850-855' business process invokes this service.
11.19 wm.b2b.editn.sample.sender:SendEnvelope
Sends an X12 envelope containing an EDI 850 document to a trading partner.
Input Parameters: None.
Output Parameters: None.
Usage Notes: The 'Send EDI Envelope' business process invokes this service.
11.20 wm.b2b.editn.sample.sender:GenerateEnvelope
Generates an X12 envelope containing an EDI 850 document.
Input Parameters: None.
Output Parameters:

None.

Usage Notes:

The 'EDI Buyer 850-855' business process invokes this service.

11.21 wm.b2b.editn.sample.sender:Process855

This is placeholder service that represents the business logic that is executed when an 855 document is received.

Input Parameters:

None.

Output Parameters:

None.

Usage Notes:

The 'EDI Buyer 850-855' business process.

11.22 wm.b2b.editn.sample.sender:start

Starts the sample. Creates an XML Purchase Order document that is submitted to Trading Networks.

Input Parameters:

Parameter	Description
SenderID	String D-U-N-S number of the trading partner that sends the document.
ReceiverID	String D-U-N-S number of the trading partner to whom the document is sent.
DocumentID	String Unique identifier for the purchase order.
ControlNumber	String Unique identifier for the group segment that contains the purchase order.

Output Parameters:

Parameter	Description
SenderTNID	String Trading Networks internal ID for the sender.
ReceiverTNID	String Trading Networks internal ID for the receiver.

Usage Notes:

Only the sample web pages should invoke this service.

12 Wm.EDIINT.sample

You can run the following sample send service within Software AG Designer to exchange sample EDI-INT messages:

12.1 Wm.EDIINT.sample:send

Reads the input file as an InputStream and invokes the wm.EDIINT.send service.

Input Parameters:

Parameter	Description		
	•		
dataFileName	String Name and location of the file to send.		
dataContentType type	String Content type of the file to send. For example, application/edi-x12. String S/MIME type that you want to use for the outbound EDIINT message. Specify one of the following:		
	sage. Specify one of the following:		
	Specify the Value Type	Description	
	plain	When you want the wm.EDIINT.sample:send service to neither sign nor encrypt the outbound EDIINT message.	
	signed	When you want the wm.EDIINT.sample:send service to sign the outbound EDIINT message.	
	encrypted	When you want the wm.EDIINT.sample:send service to encrypt the outbound EDIINT message.	
	signedAndEncrypted	When you want the wm.EDIINT.sample:send service to sign and encrypt the outbound EDIINT message.	
	getFromProfile	When you want the wm.EDIINT.sample:send service to determine whether to sign and/or encrypt the outbound EDIINT message using the value of the S/MIME Type extended field from the receiver's profile.	
deliveryMethod	String Delivery method you want to use to send the EDIINT document. The wm.EDIINT:send service obtains the Trading Networks profile for the receiver that is specified by the receiverID input variable and delivers the EDIINT document to the receiver's system using the information specified in the delivery method. Specify a delivery method that is defined in the receiver's Trading Networks profile. • For EDIINT AS1, specify one of the following: • PrimarySMTP (corresponds to Trading Networks Primary Email delivery method) • SecondarySMTP (corresponds to Trading Networks Second-		

Parameter	Description		
returnMDN	ary E-mail delivery method) • For EDIINT AS2, specify one of the following: o PrimaryHTTP o SecondaryHTTP o PrimaryHTTPS o SecondaryHTTPS o SecondaryHTTPS o SecondaryHTTPS SecondaryHTTPS o SecondaryHTTPS • For EDIINT AS3, specify the following: o AS3 String Whether you want the receiver to return an MDN. Specify one of		
	the following: Value of requestMDN	Meaning	
	none	Do <i>not</i> request a return MDN.	
	synchronousMDN	Request a return synchronous MDN.	
	asynchronousMDN	Request a return asynchronous MDN.	
	Note: If you specify PrimarySMTP, SecondarySMTP, PrimaryFTPS, or SecondaryFTPS as <i>deliveryMethod</i> , then you will only receive an asynchronous MDN.		
requestSignedReceipt senderID	String Whether you want the MDN to be signed.		
	Note: requestSignedReceipt is ignored when requestMDN is false.		
	Value of re- questSignedReceipt	Meaning	
	true	Request a signed MDN.	
	false	Request a plain (not signed) MDN.	
	Document Identification of the sender of the EDIINT message.		
	Variable in senderID	Description	
	id	Sender's external ID, that is, the identification for the sender in the message. (Optional) External ID type for the sender ID you specified in <i>id</i> . This is an external ID type as defined in Trading Networks.	
	idTypeDesc		
		Note: By default, the service uses the appropriate external ID type based on the value you specify for the <i>deliveryMethod</i> parameter. For example, if you specify AS3 for the <i>deliveryMethod</i> parameter, then the service uses the EDIINT AS3 external ID type. Specify a value for <i>idTypeDesc</i> only if you want to override this default.	

Parameter	Description		
receiverID	Document Identification of the receiver of the EDIINT message.		
	Variable in senderID	Description	
	id	The receiver's external ID, that is, the identification for the receiver in the message.	
	idTypeDesc	(Optional) External ID type for the receiver ID you specified in <i>id</i> . This is an external ID type as defined in Trading Networks.	
		Note: By default, the service uses the appropriate external ID type based on the value you specify for the <i>deliveryMethod</i> parameter. For example, if you specify AS3 for the <i>deliveryMethod</i> parameter, then the service uses the EDIINT AS3 external ID type. Specify a value for <i>idTypeDesc</i> only if you want to override this default.	
conversationID	String (optional) Conversation ID for the outbound EDIINT message. The <i>conversationID</i> parameter is an identifier that links all the documents that are part of the same business process (also called a conversation). That is, all the documents in the same business process should have the same <i>conversationID</i> . As described in <i>webMethods Trading Networks User's Guide</i> , Trading Networks can extract <i>conversationIDs</i> from EDI documents and use them to pass the documents to webMethods Process Run Time (PRT) after Trading Networks performs the actions identified by a processing rule. In this field, you should specify the same conversation ID as that of the payload that you send. The EDIINT Module automatically assigns the same conversation ID that is assigned here to a return MDN. Note: Leave this field empty unless you own a license for webMethods		
	Process Run Time (PRT). requestSignedReceipt is ignored when requestMDN is false.		

Output Parameters:

None.

13 Wm.EDIforTN EANCOM

The service in this folder is used for processing EDI documents through webMethods Trading Networks.

13.1 wm.b2b.editn.eancom:generateAndProcessAUTACK

This service generates and processes AUTACK messages for the EANCOM sample messages.