IBM WebSphere® Data Interchange V3.3

Intergrating WDI with WPG

This presentation explains how you can integrate IBM® WebSphere® Data Interchange V3.3 with WebSphere Partner Gateway V6.1, and describes how to set up WebSphere Data Interchange with a minimal trading partner's scenario.

How documents are sent to WDI

For WebSphere Partner Gateway to send an Electronic Data Interchange (EDI) document to WebSphere Data Interchange, the following steps occur:

1. A community participant sends an EDI document to WebSphere Partner Gateway. The document is sent with a specific packaging over a transport protocol (AS2 packaging over HTTP). WebSphere Partner Gateway strips off the AS2 packaging from the EDI document.

2. WebSphere Partner Gateway places the EDI document on a queue.

3. WebSphere Data Interchange reads the EDI document from the queue. It performs the tasks of de-enveloping, validating, and translating the EDI document.

4. WebSphere Data Interchange distributes the document to a back-end system.

In Figure 1. Receiving EDI documents from **WebSphere Partner Gateway**, a community participant sends an EDI document in AS packaging to WebSphere Partner Gateway, which, in turn, sends it to the EDI_IN queue on the WebSphere Data Interchange side. The WebSphere Data Interchange server picks up the EDI document, searches for the mappings rule, converts the document to XML, and puts it in the XML_OUT queue.

How documents are received from WDI

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For WebSphere Partner Gateway to receive an EDI document from WebSphere Data Interchange, the following steps occur:

1. WebSphere Data Interchange places the EDI document on a queue.

2. WebSphere Partner Gateway reads the message from the queue. **Tip:** WebSphere Partner Gateway determines how to route the document.

3. WebSphere Partner Gateway routes the document to the appropriate community participant.

In Figure 2. Sending EDI documents to WebSphere Partner Gateway, an XML document is placed into the XML_IN queue for WebSphere Data Interchange to translate. Upon receiving a valid XML document, WebSphere Data Interchange converts it into EDI format and places the output in the EDI_OUT queue (a remote queue). Upon receiving the document, WebSphere Partner Gateway routes it to the community participant.

Configuring WMQ for WebSphere Partner Gateway

Integrating WDI with WPG

1. Create the WMQ objects required for the intercommunication. Enter the WPG_QM.mqsc script:

2. runmqsc WPG_QM < WPG_QM.mqsc > WPG_QM.out

Verify if you can start the channels successfully. Issue the MQSC command "PING CHANNEL" using runmqsc.

wdiadmin@aixhostwdi:/home/wdiadmin/mqsc> ping vmwpg61

PING vmwpg61: (172.17.138.199): 56 data bytes

64 bytes from 172.17.138.199: icmp_seq=0 ttl=128 time=0 ms

64 bytes from 172.17.138.199: icmp_seq=1 ttl=128 time=0 ms

64 bytes from 172.17.138.199: icmp_seq=2 ttl=128 time=0 ms

wdiadmin@aixhostwdi:/home/wdiadmin/mqsc> runmqsc

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Starting MQSC for queue manager WDI_QM.

ping channel(WDI_QM.WPG_QM)

1 : ping channel(WDI_QM.WPG_QM)

AMQ8020: Ping WebSphere MQ channel complete.

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