BEA WebLogic Integration — Business Connect

Release Notes

Version 8.1.2
November 2003

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BEA WebLogic Integration – Business Connect Release Notes

WebLogic Integration – Business Connect 8.1.2
Date: November 2003

The document includes the following topics:

- About This Release of BEA WebLogic Integration – Business Connect
- System Requirements
- Required and Recommended Operating System Patches
- Known Limitations in 8.1 and 8.1.2

About This Release of BEA WebLogic Integration – Business Connect

WebLogic Integration – Business Connect, the lightweight trading partner software for BEA WebLogic Integration, enables businesses to connect supply chains with demand chains, down to the smallest partners and suppliers. In a configuration in which a business uses BEA WebLogic Integration as a hub and its partners use WebLogic Integration – Business Connect as spokes, all participating trading partners can automate the sharing of information while lowering the costs and time-to-market of B2B commerce.

What Is New and Improved in 8.1

BEA WebLogic Integration – Business Connect 8.1 delivers the following new features:

- Enhanced Messaging Protocols
- Updated Java Virtual Machine (JVM)
- Enhanced API Support

Enhanced Messaging Protocols

- This release enables back-end system to generate acknowledgments when using business protocols. In addition, business protocol acknowledgements are now independently logged and can be displayed in Tracker.
- Support for the use of custom user meta-data within an ebXML SOAP header.
- Support for ebXML 2.0 as defined by the specification.

Updated Java Virtual Machine (JVM)

- The Java Virtual Machines (JVM) on all platforms has been updated to the most current 1.3.1 patch level.

Enhanced API Support

- New API sample code and the ability to perform functions through a command line interface.
- More consumable API, including a new developer's reference guide.

Issues Fixed in 8.1.2

A potential security risk has been discovered which could affect customers using BEA WebLogic Integration – Business Connect 8.1. The vulnerability is caused by a third party application that is bundled in this product. This vulnerability could allow unintentional access to the machine's file system over a Web browser. A new version of the third party application has been bundled with WebLogic Integration – Business Connect 8.1.2 to resolve this issue.

When receiving documents inbound with synchronous MDNs requested, if the synchronous connection fails, WebLogic Integration – Business Connect will consider the transaction incomplete and wait for a resend.

System Requirements

For information on hardware and software requirements, see "System Requirements" in *Using WebLogic Integration – Business Connect* at the following location:

http://edocs.bea.com/wlibc/docs81/install/requirements.html

In addition to the operating systems documented in the above section, WebLogic Integration – Business Connect also supports Hewlett-Packard HP-UX 11i and IBM AIX 5.1.

Required and Recommended Operating System Patches

Patches for the following operating systems are recommended or required before installing WebLogic Integration – Business Connect to make sure your system can run a Java application:

- IBM AIX 4.3.3 and 5.1
- Hewlett-Packard HP-UX 11.0 and 11i
- Sun Solaris 7 and 8

IBM AIX 4.3.3 and 5.1

The following Java version is included in this release of WebLogic Integration – Business Connect:

```
java version "1.3.1"
Java(TM) 2 Runtime Environment, Standard Edition
(build 1.3.1)
Classic VM (build 1.3.1, J2RE 1.3.1 IBM AIX
build ca131-20020706 (JIT enabled: jitc))
```

Patch information can be obtained at the following URL:

http://www6.software.ibm.com/dl/dka/priv/dka-h?S_PKG=dka131ww

Access to the preceding URL requires a user name and password which can be obtained at no charge at the following URL:

https://www6.software.ibm.com/dl/dka/dka-r?S_PKG=dka131ww&S_CMP=&S_ACTION=new&S_TACT=

Hewlett-Packard HP-UX 11.0 and 11i

The following Java version is included in this release of WebLogic Integration – Business Connect:

```
java version "1.3.1.05"
Java(TM) 2 Runtime Environment, Standard Edition
(build 1.3.1.05-020425-12:07)
Java HotSpot(TM) Server VM
(build 1.3.1 1.3.1.05- JPSE_1.3.1.05_20020425 PA2.0, mixed mode)
```

Patch information can be obtained at the following URL:

http://www.hp.com/products1/unix/java/infolibrary/patches.html

Sun Solaris 7 and 8

The following Java version is included in this release of WebLogic Integration – Business Connect:

```
java version "1.3.1_03"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.3.1_03-b03)
Java HotSpot(TM) Client VM (build 1.3.1_03-b03, mixed mode)
```

Patch information can be obtained at the following URL:

http://java.sun.com/j2se/1.3/install-solaris-patches.html

Known Limitations in 8.1 and 8.1.2

This section provides information about the following known limitations:

- WebLogic Integration trading partners do not support POP and SMTP transports
- Documentation: “Conversation Definition” should be “ebXML service name”
- Documentation: Additional information required regarding ebXML action names
- Duplicate ebXML acknowledgment on server reboot
- WebLogic Integration trading partners do not support document encryption
- WebLogic Integration trading partners do not support synchronous acknowledgments (MDNs)

- Zeros in local IP address
- Do not delete "md" files in archive directory
- InterchangeURL and InterchangeHttpsURL not populated
- Network down interrupts processing
- Large XML documents require more memory
- Company name not in CompanyID object
- Reprocessing resends the original ebXML document
- Server Monitor password in 7.0 does not work in 8.1
- Document can be sent to wrong partner with similar ID
- "Retry limit reached" generated after the first failed connection attempt
- Cannot import Quickstart.xml directly to WebLogic Integration 8.1

WebLogic Integration trading partners do not support POP and SMTP transports

Although WebLogic Integration - Business Connect supports ebXML trading with bundled HTTP, bundled HTTPS, SMTP, or POP transport, only HTTP and HTTPS are supported with a WebLogic Integration trading partner.

Do not configure the POP or SMTP transport if you are exchanging documents with a WebLogic Integration trading partner.

Documentation: “Conversation Definition” should be “ebXML service name”

Wherever the phrase “conversation definition defined in WebLogic Integration” is referenced in *Using WebLogic Integration – Business Connect*, users should substitute with “ebXML service name.” In WebLogic Integration, the ebXML service name corresponds to the `ebxml-service-name` in the process annotation (for participant process) or in the control annotation (for initiator process).

Documentation: Additional information required regarding ebXML action names

The "ebXML with File System Interface" section in *Using WebLogic Integration – Business Connect* mentions that "There are no WebLogic Integration requirements for the value of the action." This is correct if the WebLogic Integration side uses the "default" option for ebXML actions (expressed in the 'ebxml-action-mode' attribute). However, if the "non-default" option is used, the value of the action does matter and must match the Client Request method name in the participant process. For more on ebXML action names, see "Introducing ebXML Solutions" at the following URL:

http://edocs.bea.com/wli/docs81/tpintro/ebxml.html

Duplicate ebXML acknowledgment on server reboot

WebLogic Integration – Business Connect may send a duplicate ebXML acknowledgment after it is restarted. This does not affect the operation of ebXML messaging as the duplicate acknowledgement will be discarded by the receiving side.

WebLogic Integration trading partners do not support document encryption

WebLogic Integration trading partners do not support document encryption. Turn off document encryption by clearing the encrypt documents check box on the Security tab in the Partner Profile window. For secure transport, use the HTTPS transport protocol.

WebLogic Integration trading partners do not support synchronous acknowledgments (MDNs)

WebLogic Integration trading partners do not support synchronous acknowledgments (MDNs). Do not select the Request Synchronous Acknowledgement option on the Partner Profile Security Tab.

Zeros in local IP address

In the server.log file, the local IP address appears as zeros.

For example:

```
08:47:30.904 EVENT  Started SocketListener on
0.0.0.0/0.0.0.0:4080
08:47:30.904 EVENT  Stopped SocketListener on
0.0.0.0/0.0.0.0:4080
```

Do not delete "md" files in archive directory

Do not manually delete files that begin with `md` in the archive directory. Deleting such files can result in errors when reprocessing documents. These files are associated with conversations in trading using message control documents (MCDs). If it is necessary to delete the `md` files, use **File →Clear All Archive Logs** in Tracker before manually deleting the files.

InterchangeURL and InterchangeHttpsURL not populated

The `InterchangeURL` and `InterchangeHttpsURL` are not populated in the document that is attached to the event sent to API event listeners. These values should be populated. This forces the API user to use a document listener. Note that the values are populated in the `documentReceived` call.

Network down interrupts processing

The following message signals a normal network-down issue:

```
SSL Failurejava.io.IOException: Broken pipe
```

If this occurs during document processing, the trading engine server will re-send any affected documents using the application's re-send rules when the network recovers.

Large XML documents require more memory

If you trade XML files larger than 100 megabytes, you may need to increase the memory on the computer that runs the server application. Processing such a large file can cause the packaging thread to pause and not be released. This situation is caused by a lack of resources.

Company name not in CompanyID object

The company name does not appear in the `CompanyId` object for the sender in the `MDNReceived` Event for MCDs that were sent using secondary IDs only. It appears as null.

Reprocessing resends the original ebXML document

If you want to reprocess an ebXML document for which you already have received an acknowledgment, be aware of the following. BEA WebLogic Integration – Business Connect repackages documents that are selected for reprocessing. When you reprocess an ebXML document, your partner re-sends the original acknowledgment. This causes your system to generate a message integrity check (MIC) error upon receiving the acknowledgment, because the hash of the outbound reprocessed document does not match the hash of the inbound acknowledgment. This only occurs when an MCD is used and when a `messageID` element is present in the MCD.

Server Monitor password in 7.0 does not work in 8.1

If you upgrade from version 7.0 and you used a password in 7.0 to access the Server Monitor web page, the password does not work in 8.1. Set a new password in 8.1 on the Monitoring tab in **Tools→Preferences**.

Document can be sent to wrong partner with similar ID

When two or more partner profiles with similar IDs are present on the system, documents can be sent to the wrong partner. To prevent this, add the parameter `-enableStrictIdMatching` at the end of the Windows `StartServer.bat` file or the UNIX start server script.

"Retry limit reached" generated after the first failed connection attempt

A "`Retry limit reached`" error is generated after the first failed connection attempt, regardless of the retry duration set.

Cannot import Quickstart.xml directly to WebLogic Integration 8.1

The `installation_dir/profiles/Quickstart.xml` file cannot be directly imported into WebLogic Integration 8.1. You can, however, import it into WebLogic Integration – Business Connect to quickly get started with trading partner configuration. If you subsequently export it from WebLogic Integration – Business Connect, you will then be able to import the information into WebLogic Integration 8.1.