BEA WebLogic Integration – Business Connect

Release Notes

Release 7.0
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BEA WebLogic Integration – Business Connect Release Notes

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Contents

BEA WebLogic Integration – Business Connect Release Notes

About This Release of BEA WebLogic Integration – Business Connect 2
What Is New and Improved in This Release 2
Application Programming Interface 2
Evaluation License 3
System Requirements 3
Required and Recommended Operating System Patches 3
IBM AIX 4.3.3 4
Hewlett-Packard HP-UX 11.0 4
Sun Solaris 2.6, 7, and 8 5
Tuning WebLogic Integration – Business Connect 7
Known Limitations 7
WebLogic Integration trading partners do not support POP and SMTP transports 8
WebLogic Integration trading partners do not support document encryption 8
WebLogic Integration trading partners do not import certificates as part of the company profile 8
WebLogic Integration trading partners require DER-encoded binary X.509 format for certificates 9
WebLogic Integration trading partners do not support synchronous acknowledgments (MDNs) 9
The Agent Configuration fields on the Monitoring tab should be ignored 9
Local IP address represented by zeros in server.log 9
WebLogic Integration – Business Connect throws a nullpointer exception during partner removal /update 10

ebXML user-defined data may be lost during resubmit operations 10
After the 30-day evaluation license expires there is no license expiration alert displayed upon server startup..... 10
Service may fail under heavy traffic 11

BEA WebLogic Integration – Business Connect Release Notes

WebLogic Integration – Business Connect Release 7.0
Date: June 2002

This document includes the following topics:

- About This Release of BEA WebLogic Integration – Business Connect
- What Is New and Improved in This Release
- System Requirements
- Required and Recommended Operating System Patches
- Tuning WebLogic Integration – Business Connect
- Known Limitations

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 businesses can automate the sharing of information while lowering the costs and time-to-market of B2B commerce.

What Is New and Improved in This Release

BEA WebLogic Integration – Business Connect 7.0 delivers the following new features:

- Application Programming Interface
- Evaluation License

Application Programming Interface

WebLogic Integration – Business Connect now includes an HTTP/HTTPS application program interface (API). The API enables you to write programs that manage the exchange of documents between WebLogic Integration – Business Connect and your application, and that pass WebLogic Integration – Business Connect status messages to your application.

For additional information, see "Application Program Interface" in *Using WebLogic Integration – Business Connect* and the *WebLogic Integration – Business Connect Javadoc*.

The Javadoc and sample applications are also installed with the product. After installation open *installation_dir*/api/documentation/index.html in your preferred browser to view the Javadoc. The sample applications are found in the *installation_dir*/api/samplecode directory.

Evaluation License

WebLogic Integration – Business Connect now supports a 30-day evaluation period. If you do not provide a license during installation, a 30-day evaluation license is automatically created.

System Requirements

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

http://e-docs.bea.com/wlibc/docs70/install/cvprerequisites.html

Required and Recommended Operating System Patches

Patches for the following operating systems are recommended or required before installation of WebLogic Integration – Business Connect:

- IBM AIX 4.3.3
- Hewlett-Packard HP-UX 11.0
- Sun Solaris 2.6, 7, and 8

Details about the patches required for each operating system are provided in the following sections.

IBM AIX 4.3.3

To obtain the JDK and the latest JDK patch for IBM AIX 4.3.3, visit the IBM Java Technology Web page at the following URL:
`http://www.ibm.com/developerworks/java/jdk/aix/index.html`

Java	1.3.0
AIX	version 4.3.3
LPP Name	Java_dev2
Installation directory	`/usr/java_dev2`
Latest update	PTF 7 IY12075 (ca130-20001124)

Hewlett-Packard HP-UX 11.0

To obtain the required patches, visit the Hewlett-Packard IT Resource Center at the following URL:
`http://www.itresourcecenter.hp.com`

The following patches are available:

- PHCO_19666
- PHCO_22314
- PHKL_18543
- PHKL_20016
- PHKL_22589
- PHSS_17535
- PHSS_21982
- PHSS_22341
- PHSS_21959
- PHNE_22086
- PHSS_20863

Sun Solaris 2.6, 7, and 8

To obtain the required patches, visit SunSolve Online at the following URL:
`http://www.sunsolve.com`

The following table describes the available patches.

Table 1. Sun Solaris Patches

Version	Patch ID	Note	See Footnotes	Description
2.6 (5.6)	107733-06	Required	—	Linker patch
2.6 (5.6)	105568-17	Required	—	Libthread patch
2.6 (5.6)	105210-27	Required	—	LibC patch
2.6 (5.6)	106040-13	Required	—	X input & output method patch
2.6 (5.6)	105633-38	Required	1, 4, 5	OpenWindows 3.6: Xsun patch
2.6 (5.6)	106409-01	Required	2	Fixes the Chinese TrueType fonts
2.6 (5.6)	108091-03	Required	3	SunOS 5.6: fatal error in ISO8859-01 Locales
2.6 (5.6)	106842-09	Required	4	Euro currency support
2.6 (5.6)	106841-01	Required	4	Keytables patch
2.6 (5.6)	105181-20	Required	—	Kernel update (socket close/hang)
2.6 (5.6)	105669-10	Recommended	—	CDE 1.2: libDTSvc patch (dtmail)
2.6 (5.6)	105284-33	Recommended	—	Motif 1.2.7: Run-time library patch
2.6 (5.6)	105591-09	Required	—	C++ shared library patch
2.6 (5.6)	106125-09	Required	—	Patch for patchadd and patchrm
7 (5.7)	106980-10	Required	—	Libthread patch
7 (5.7)	107636-03	Required	—	X input & output method patch
7 (5.7)	108376-07	Required	1,5	OpenWindows 3.6.1 Xsun patch

Table 1. Sun Solaris Patches (Continued)

Version	Patch ID	Note	See Footnotes	Description
7 (5.7)	107153-01	Required	1	Replaces bad font in zh.GBK locale
7 (5.7)	106541-11	Required	—	Kernel update
7 (5.7)	107544-03	Required	—	To be used with Kernel update patch
7 (5.7)	109104-01	Required	—	To be used with Kernel update patch
7 (5.7)	106950-09	Required	—	Linker patch
7 (5.7)	106327-08	Required	—	Shared library patch for C++
7 (5.7)	106300-09	Required	—	Patch for C++
7 (5.7)	107081-20	Required	—	Motif 1.2 and Motif 2.1 patch
8 (5.8)	108940-07	Required	—	Motif 2.1 patch available soon from SunSolve

FOOTNOTES:

1. This patch is required in Asian locales.
2. This patch is required to display traditional Chinese characters in Swing applications.
3. This patch is required for any locale in which the ISO8859-1 or ISO8859-15 character encoding is used.
4. This patch is required for support of Euro currency.
5. This patch is required for running Java Compatibility Kit tests.

We recommend applying the Libthread patch last.

Tuning WebLogic Integration – Business Connect

In addition to the document tuning capabilities available on the Company Profile Tuning tab, values in the `vm.properties` file in the installation directory can be adjusted to improve application performance. We recommend that you contact technical support before changing any values in this file. We also recommend that you make a copy of the file for backup purposes before making any changes. For example, you can make a copy of the file and name it `vm.properties.original`.

Known Limitations

This section provides information about the following known limitations:

- WebLogic Integration trading partners do not support POP and SMTP transports
- WebLogic Integration trading partners do not support document encryption
- WebLogic Integration trading partners do not import certificates as part of the company profile
- WebLogic Integration trading partners require DER-encoded binary X.509 format for certificates
- WebLogic Integration trading partners do not support synchronous acknowledgments (MDNs)
- The Agent Configuration fields on the Monitoring tab should be ignored
- System Requirements
- Local IP address represented by zeros in server.log
- WebLogic Integration – Business Connect throws a nullpointer exception during partner removal /update

- ebXML user-defined data may be lost during resubmit operations
- After the 30-day evaluation license expires there is no license expiration alert displayed upon server startup
- Service may fail under heavy traffic

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.

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 import certificates as part of the company profile

When a WebLogic Integration trading partner imports a company profile that was exported from WebLogic Integration – Business Connect, the certificate information is not imported. Therefore, when distributing a certificate to a WebLogic Integration trading partner, you must export the certificate to a file. The WebLogic Integration trading partner can then import the certificate independently of the company profile.

WebLogic Integration trading partners require DER-encoded binary X.509 format for certificates

When exporting a certificate to a file for use by a WebLogic Integration trading partner, you must select the DER-encoded binary X.509 (`.cer`) format.

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.

The Agent Configuration fields on the Monitoring tab should be ignored

The Agent Configuration fields on the Monitoring tab of the Preferences window are associated with a feature that is not supported. Ignore these fields.

Local IP address represented by zeros in server.log

In the `server.log` file, the local IP address is represented by a series of 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`

WebLogic Integration – Business Connect throws a nullpointer exception during partner removal /update

If you remove a partner and add it back during the server startup process, a null pointer exception can result because the outboundAgent has not completed started up. Do not delete a partner and add it back during the server startup cycle.

ebXML user-defined data may be lost during resubmit operations

When an outbound document is resubmitted from the rejected table, data that has been defined by an ebXML user may be lost. When outbound documents are resubmitted after a Partner not found error has been generated, the document is copied to the appropriate outbound directory and the user data is lost. The rejected document must be resent through the API since ebXML user-defined elements are not supported when a document is sent from the file system.

After the 30-day evaluation license expires there is no license expiration alert displayed upon server startup

The server application has no user interface. As a result, it does not display a dialog if the server fails to start up. When the server fails to start up, the reason for the failure is recorded in the *`installation_dir`*`\logs\server.log` file.

If you attempt to start the server after the evaluation license expires, the server attempts to start, but then shuts down with no screen output. To determine the reason for the failure, see the `server.log` file.

Service may fail under heavy traffic

On rare occasions, during periods of heavy traffic between a WebLogic Integration trading partner and a WebLogic Integration – Business Connect trading partner, WebLogic Integration – Business Connect may fail to generate alerts or error messages in the WebLogic Integration – Business Connect log file when it fails to send or receive ebXML messages. If this situation arises, shut down and restart the WebLogic Integration – Business Connect server. Message exchanges will resume.