BEA WebLogic Adapter for MQSeries®

Release Notes

Release 7.0 with Service Pack 1
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This document includes the following topics:

- About This Release of the BEA WebLogic Adapter for MQSeries
- Supported Platforms
- Software Requirements
- Problems Fixed in This Release
- Miscellaneous Issues
- Known Limitations
- Contacting BEA Customer Support

About This Release of the BEA WebLogic Adapter for MQSeries

The BEA WebLogic Adapter for MQSeries integrates your IBM MQSeries® messages with WebLogic Integration in a fast, easy, and reliable way. You can use the Adapter to exchange XML, non-XML, ASCII, and custom data formats between your MQSeries resources and WebLogic Integration to provide a tightly integrated and reliable application infrastructure.

MQSeries messaging products support application integration by sending and receiving data as messages that allow business applications to exchange information across different platforms. They account for network interfaces, assure “once only” delivery of messages, deal with communication protocols, dynamically distribute workload across available resources, handle recovery after system problems, and help make programs portable. This allows programmers to use their skills to handle key business requirements, instead of wrestling with underlying network complexities.

The adapter supports MQSeries 5.1, MQSeries 5.2, and WebSphere MQ 5.3.

Supported Platforms

This release of the BEA WebLogic Adapter for MQSeries is available on the following platforms:

- Sun Solaris 7 (with Sun recommended patches)
- Sun Solaris 8 (with Sun recommended patches)
- Microsoft Windows 2000 Professional with Service Pack 2
- Microsoft Windows 2000 Server with Service Pack 2
- Microsoft Windows 2000 Advanced Server with Service Pack 2
- Microsoft Windows NT 4.0 with Service Pack 6 or later
- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i
- IBM AIX 5.1 with Maintenance Level 3

We are working to certify the adapter on additional platforms. Up-to-date information on supported platforms is available at the following URL:

`http://edocs.bea.com/wladapters/docs70/support/index.html`

Software Requirements

Before you install this release of the BEA WebLogic Adapter for MQSeries, ensure that you have the following software installed:

- WebLogic Platform 7.0 with Service Pack 1 (WebLogic Server and WebLogic Integration components must be installed)

  The software can be downloaded from the BEA Web site at `http://commerce.bea.com/downloads/products.jsp`

  The information required to install WebLogic Platform 7.0 can be found at `http://edocs.bea.com/platform/docs70/install/index.html`

  Note: BEA WebLogic Adapter for MQSeries 7.0 with Service Pack 1 is only certified and supported with WebLogic Integration 7.0 at this time. WebLogic Integration 2.1 users should continue to use version 7.0 of the adapter.

  We are working to certify this release of the adapter with additional versions of WebLogic Integration. Up-to-date information on supported versions is available at the following URL: `http://edocs.bea.com/wladapters/docs70/support/index.html`

- Java Runtime environment 1.3.1 or higher
- Web browser
  - Netscape 6.2 or higher
  - Internet Explorer 5.x or higher

Problems Fixed in This Release

The following table lists the problems fixed in BEA WebLogic Adapter for MQSeries 7.0 with Service Pack 1.

Table 1. Problems Fixed in This Release

Problem	Solution
When creating an application view on Solaris, although valid values are entered in the Configure Connection Parameters window, a `java.lang.reflect.InvocationTargetException` exception occurs when Connect is selected.	This problem has been fixed in this release.
The previous release did not support the ability to track messages with message IDs, correlation IDs, source information, and other mechanisms.	Special registers have been added in this release. Special registers are named tokens that contain information available to agents and enable agents to perform such tasks as: ■ retrieve MQ Series correlation ids and message ids ■ retrieve origin information about a document ■ dynamically set MQ Series and Correlation id Special registers can be embedded in request and response schemas using a special notation. For more information, see "Using Special Registers" in Chapter 3, "Creating and Configuring an Event Adapter", in the *BEA WebLogic Adapter for MQSeries User Guide*.
All services did not work when either or both of the following checkboxes were selected: ■ Request confirmation of delivery (COD) ■ Request confirmation of arrival (COA) Instead, a `java.lang.NullPointerException` pointer exception was thrown.	This problem has been fixed in this release so that COD and COA receipts are received. For more information, see "Using Arrival and Delivery Confirmations" in Chapter 3, "Creating and Configuring an Event Adapter", in the *BEA WebLogic Adapter for MQSeries User Guide*.

Miscellaneous Issues

The following table describes miscellaneous issues you should be aware of when using the BEA WebLogic Adapter for MQSeries.

Where applicable, entries include a CR (Change Request) number or Case number. Please refer to this number if you contact BEA Customer Support regarding the issue. For contact information, see "Contacting BEA Customer Support" on page 7.

Table 2. Miscellaneous Issues

1	**CR085889**	**Connecting to MQSeries in Binding Mode (when MQSeries and WebLogic Integration reside on the same machine)**
	Problem	Additional configuration steps are required to connect in binding mode.
	Platform	All Platforms

	Workaround	When MQSeries and WebLogic Integration are running on the same machine, you can configure events and services using the MQSeries adapter to connect to MQSeries in binding mode. To do so, you need to add the following lines to the `set`*`DomainType`*`Data` script (the following example is for Windows):
		`set MQ_INSTALL_PATH=d:\apps\MQSeries`
		`set MQ_JAVA_INSTALL_PATH=d:\apps\MQSeries\java`
		`set MQ_JAVA_LIB_PATH=%MQ_JAVA_INSTALL_PATH%\lib`
		`set MQ_PATH=%MQ_INSTALL_PATH%\bin;%MQ_JAVA_INSTALL_PATH%\bin;%MQ_JAVA_LIB_PATH%`
		`set PATH=%MQ_PATH%;%PATH%`

Known Limitations

The following table describes limitations in the current release of the BEA WebLogic Adapter for MQSeries. Whenever available, a recommended workaround is provided.

Where applicable, entries include a CR (Change Request) number or Case number. Please refer to this number when contacting BEA Customer Support for assistance in tracking the problem identified. For contact information, see "Contacting BEA Customer Support" on page 7.

Table 3. Known Limitations

1	**CR089473**	**The adapter components are not fully deployed upon initial deployment, despite all the deployed flags indicating deployment has occurred**
	Problem	After you deploy the adapter as described in "Installing the Adapter With WebLogic Integration 7.0" in the *BEA WebLogic Adapter for MQSeries Installation and Configuration Guide*, the adapter is not fully deployed, even though the WebLogic Server Administration Console indicates Deployed=True for each required component.
	Platform	WebLogic Integration 7.0 with Sun Solaris 7 or 8 WebLogic Integration 7.0 with Hewlett-Packard HP-UX 11.0 or 11i
	Workaround	To properly deploy the adapter components, click Redeploy. This is an issue that will be corrected in a future patch of WebLogic Server. Please contact BEA Customer Support for further information.

Contacting BEA Customer Support

If you have any questions about this release of the BEA WebLogic Adapter for MQSeries, or if you have problems installing and running the adapter, contact BEA Customer Support through BEA eSupport at `http://support.bea.com`. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the adapter you are using
- The version of WebLogic Integration you are using
- A description of the problem and the content of pertinent error messages