



BEA WebLogic Adapter for HL7

Release Notes

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BEA WebLogic Adapter for HL7 Release Notes

BEA WebLogic Adapter for HL7 Release 7.0
Date: November 2002

This document includes the following topics:

- About This Release of the BEA WebLogic Adapter for HL7
- Supported Platforms
- Software Requirements
- Determining the Adapter Version
- Miscellaneous Issues
- Known Limitations
- Contacting BEA Customer Support

About This Release of the BEA WebLogic Adapter for HL7

The HL7 Standard defines transactions for transmitting data about patient registration, admission, discharge and transfers, insurance, charges and payers, orders and results for laboratory tests, image studies, nursing and physician observations, diet orders, pharmacy orders, supply orders, master files, appointment scheduling, problem lists, clinical trial enrollments, patient permissions, voice dictations, advanced directives, and physiologic signals. There are three versions of HL7 supported by the BEA WebLogic Adapter for HL7: Version 2.3, Version 2.3.1, and Version 2.4.

Since most applications are bound by the file systems of the servers on which they run, or the protocols over which they are communicated, the file systems themselves must be taken into consideration in any enterprise integration strategy. The BEA WebLogic Adapter for HL7 incorporates in-depth knowledge of FTP and file systems to optimize the integration files with enterprise application systems. The BEA WebLogic Adapter for HL7 enables integration with remote files using the File Transport Protocol (FTP) communication protocols. Files within the local file system can also be processed. In both cases, the file contents (or payload) can be XML or HL7 format. This provides a convenient and simple method for integrating with remote application systems using WebLogic Integration.

Supported Platforms

As of the release date, the BEA WebLogic Adapter for HL7 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

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/wlapters/docs70/support/index.html>

Software Requirements

The BEA WebLogic Adapter for HL7 requires that the user has licensed either the BEA WebLogic Adapter Utility Pack or BEA WebLogic Adapter for MQSeries. The BEA WebLogic Adapter for HL7 provides the ability to format, transform, validate, and enrich HL7 documents. The BEA WebLogic Adapter Utility Pack or BEA WebLogic Adapter for MQSeries provides the connectivity to specific transport protocols or queue systems.

In addition, before you install the BEA WebLogic Adapter for HL7, 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: Although the documentation discusses the installation, configuration and use of this adapter with WebLogic Integration 2.1, this release is only certified and supported with WebLogic Integration 7.0 at this time. We are working to certify the adapter with additional versions. Up-to-date information on supported versions is available at the following URL:
<http://edocs.bea.com/wlapters/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

If you are using IBM MQSeries as the transport, the following software must be installed:

- IBM MQSeries 5.1 or higher

Determining the Adapter Version

To allow you to easily determine the version of the BEA WebLogic Adapter for HL 7, identifying information has been added to the `Manifest.mf` file.

For example, the `Manifest.mf` file for BEA WebLogic Adapter for HL 7 Release 7.0 SP1 contains the following:

```
Manifest-Version: 1.0
Created-By: Apache Ant 1.5.1
Label: BEASp1.0003
Implementation-Vendor: BEA Systems
Implementation-Version: 7.0.1.0003
Implementation-Title: BEA HL7 Adapter SP1 11/06/2002 22:26:45 EST
```

The `Implementation-Version` is provided in the following format: `w.x.y.zzzz`:

- `w.x` represents the major and minor release number (in this case, 7.0)
- `y` represents the service pack number (in this case, 1)
- `zzzz` represents the build number of the release (in this case, 0003)

If you obtain a patch subsequent to a release, identifying information specific to the patch is included in the `Manifest.mf` file.

Miscellaneous Issues

The following table describes miscellaneous issues you should be aware of when using the BEA WebLogic Adapter for HL 7.

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 1. Miscellaneous Issues

1	Namespace Prefix in manifest.xml
Problem	<p>Each schema repository has a manifest that describes the repository and its schemas. This repository manifest is stored as an XML file named <code>manifest.xml</code>.</p> <p>If you manually create an XML schema, the namespace prefix must be <code>xsd:</code> rather than <code>xs:</code> in the manifest file.</p>
Platform	All
Workaround	<p>Use the <code>xsd:</code> namespace prefix for XML schemas as shown in the following listing:</p> <pre><?xml version="1.0" encoding="UTF-8"?> <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"> <xsd:element name="OrderIn"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Store_Code"/> <xsd:element ref="LineItem" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element></pre>

Known Limitations

The following table describes limitations in the current release of the BEA WebLogic Adapter for HL 7. 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 2. 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 <i>BEA WebLogic Adapter for HL7 Installation and Configuration Guide</i> , 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.

Table 2. Known Limitations (Continued)

2 File Suffix field for FTP event is not used	
Problem	When configuring an FTP event in the Application View Console, the file suffix (extension) must be entered in the Location field. The adapter does not use the File Suffix field for FTP events.
Platform	All platforms
Workaround	Append the file suffix to the file or files specified in the Location field for the FTP event. For example, you can enter a specific file such as <code>c:\mydirectory\myfile.xml</code> or a group of files such as <code>c:\mydirectory*.zip</code> Ignore the File Suffix field.

Contacting BEA Customer Support

If you have any questions about this release of the BEA WebLogic Adapter for HL 7, or if you have problems installing and running the BEA WebLogic Adapter for HL 7, contact BEA Customer Support through BEA eSupport at <http://support.bea.com>.

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

