



BEA WebLogic Adapter for PeopleSoft® 8

Release Notes

Release 8.1.0
Document Date: July 2003

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This document includes the following topics:

- [About the BEA WebLogic Adapter for PeopleSoft 8 Release](#)
- [Supported Platforms](#)
- [Software Requirements](#)
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About the BEA WebLogic Adapter for PeopleSoft 8 Release

The BEA WebLogic Adapter for PeopleSoft 8 provides a means to exchange real-time business data between PeopleSoft systems and other applications, databases, or external business partner systems. The adapter allows for inbound and outbound processing with PeopleSoft.

The adapter uses WebLogic Integration and XML messages to allow non-PeopleSoft applications to communicate and exchange transactions with PeopleSoft. Applications that need access to PeopleSoft data when a PeopleSoft business event occurs, use the adapter in combination with

WebLogic Integration (WLI) Application Views, Events, and BEA Business Process Management tools to receive messages from PeopleSoft. If the request is for retrieving data from PeopleSoft, then the adapter sends the application a response message with the data.

Supported Platforms

The adapter and the BEA Application Explorer are currently available on the following platforms:

- Sun Solaris 8 (with Sun recommended patches)
- Sun Solaris 9 (with Sun recommended patches)
- Microsoft Windows 2000 Professional with Service Pack 2 and higher
- Microsoft Windows 2000 Server with Service Pack 2 and higher
- Microsoft Windows 2000 Advanced Server with Service Pack 2 and higher
- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i

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

<http://edocs.bea.com/wladapters/docs81/support/index.html>

Software Requirements

Before you install the BEA WebLogic Adapter for PeopleSoft 8, ensure that you have the following software installed:

- BEA WebLogic Platform 8.1

The software can be downloaded from the BEA Web site at the following URL:

<http://commerce.bea.com/downloads/products.jsp>

The information required to install WebLogic Platform 8.1 can be found at the following URL:

<http://edocs.bea.com/platform/docs81/install/index.html>

Note: The WebLogic Server and WebLogic Integration components *must* be installed.

- Java Runtime Environment (JRE) 1.4.1 or higher

- PeopleSoft 8.1 or higher
- PeopleTools version 8.1.6 or higher
- Internet Explorer 6.0 or higher

Determining the Adapter Version

To allow you to easily determine the version of the BEA WebLogic Adapter for PeopleSoft 8, identifying information has been added to the `Manifest.mf` file. This file is included in the ear file.

For example, the `Manifest.mf` file for BEA WebLogic Adapter for PeopleSoft 8 version 8.1.0 contains the following:

```
Manifest-Version: 1.0
Created-By: Apache Ant 1.5.1
Label: BEAVIENNA.0005
Implementation-Vendor: BEA Systems
Implementation-Version: 8.1.0.0005
Implementation-Title: BEA PEOPLESOFT Adapter RG4 07/11/2003 14:55:09 EDT
```

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, 8.1)
- `Y` represents the service pack number (in this case, 0)
- `ZZZZ` represents the build number of the release (in this case, 0005)

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

Miscellaneous Issues

When using the BEA WebLogic Adapter for PeopleSoft 8, you might encounter some of the following issues, which can make the BEA WebLogic Adapter for PeopleSoft 8 or a BEA WebLogic Adapter for PeopleSoft 8 component inoperable. The following table describes these issues and provides a workaround, where possible.

If an entry includes a CR (Change Request) number, a possible solution may exist in a future BEA WebLogic Adapter for PeopleSoft 8 release where BEA will provide vendor-specific code to fix the problem. Refer to this number to conveniently track the solution as the problems are resolved.

Please contact BEA Customer Support for assistance in tracking the unresolved problems identified with a CR number. For contact information, see the section [“Contacting BEA Customer Support”](#) on page 1-9.

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 data-bbox="474 841 1063 1328"> <?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>
2	Limitation on level 2 scrolls
Problem	<p>PeopleSoft has acknowledged a limitation with Component Interfaces that contain level 2 scrolls. If you try to insert a new row on a level 2 scroll, a Null Pointer Exception error occurs.</p>
Platform	All

Table 1. Miscellaneous Issues

Workaround	<p>Upgrade your version of PeopleTools Version 8.16.08 and PeopleTools Version 8.17.02 in the 8.1x code line. This issue is tracked by PeopleSoft Incident T-MZYGAR-2C5YS.</p> <p>If you have the PeopleSoft 8.4x code line, this limitation is tracked by PeopleSoft Incident T-TCHURY-YZ9FR and is fixed in PeopleSoft 8.41.</p>
3	Limitation when inserting a second row for level 1, 2, or 3 scrolls.
Problem	<p>If you are trying to insert a level 1, 2, or 3 scroll and the following conditions exist</p> <ul style="list-style-type: none"> • there is exactly one row for the level 1, 2, or 3 scroll • there are required field names that end in a numeric value <p>then an error message with the following format appears:</p> <p>This is an invalid property {ADDRESS_1} (91,15)</p> <p>This example was created using the VNDR_ID component interface from the Financials application. The actual property name is ADDRESS1. BEA is working with PeopleSoft to resolve this issue.</p>
Platform	All
Workaround	<p>As a workaround, perform the following steps:</p> <ol style="list-style-type: none"> 1. In the PeopleSoft Application Designer, open the component interface with which you are working. 2. Select the property that ends in a numeric value. 3. Right-click and select Edit Name from the context menu. 4. Change the name of the property. <p>Note: You can select a name that does not end in a number (for example, ADDRESSA), or you can add an underscore (for example, ADDRESS_1).</p> <ol style="list-style-type: none"> 5. Save the component interface. 6. Re-generate the Java APIs for the component interface. <p>Use the revised property name in your XML and/or BEA WebLogic transaction.</p>

Table 1. Miscellaneous Issues

4	Limitation with level 3 scrolls.
Problem	PeopleSoft has acknowledged a limitation with Component Interfaces that contain level 3 scrolls. If you try to insert a new row on a level 3 scroll, a Null Pointer Exception error occurs.
Platform	All
Workaround	If you receive this error, you must upgrade your PeopleSoft release level. This limitation is fixed in PeopleTools Version 8.18 and is tracked by PeopleSoft Incident T-MZYGAR-D2529. In the 8.4x code line, PeopleSoft reported that this limitation was fixed in PeopleTools Version 8.41.01 (PeopleSoft Incident T-JRUNST-T93BJ). However, in later releases of 8.41 it still remains as a limitation (see PeopleSoft Incident T-MZYGAR-3F72X).
5	Limitation with multiple effective dated scrolls.
Problem	A failure occurs when inserting multiple effective dated rows.
Platform	All
Workaround	If you want to insert multiple effective dated rows for the same primary keys, you must use two separate transactions. This limitation is tracked by PeopleSoft Incident T-ACESAR-BS362. PeopleSoft has stated that this problem is fixed in PeopleTools releases 8.20 and 8.43.
6	PeopleTools Releases Supported
Problem	Due to certain limitations in early releases of PeopleTools, the BEA WebLogic Adapter for PeopleSoft 8 requires that the PeopleTools release must be 8.16.03 or greater if you have a version of PeopleSoft in the 8.1x series. If you have a version of PeopleSoft in the 8.4x series, your PeopleTools release must be at 8.40.05 or greater. The BEA WebLogic Adapter for PeopleSoft 8 has not been certified to work with 8.42, nor has it been certified to work with earlier PeopleSoft release series (for example, 7.5x).
Platform	All

Table 1. Miscellaneous Issues

Workaround	Upgrade your version of PeopleTools to the level required, as noted in the problem description.
7	Deploying the adapter in a clustered environment requires additional configuration
Problem	The event generator must be pinned (targeted) to only one managed server in the clustered environment. You do this by editing the event connection Event Generator Target field in the WebLogic Integration Administration console under Application Integration. The value must be the valid name given to the managed server. For more information about the WebLogic Integration Administration console, see Managing WebLogic Integration Solutions at the following URL: http://e-docs.bea.com/wli/docs81/manage/index.html
Platform	All
Workaround	See description of problem.
8	A failure occurs attempting to access the LOCATION component interface on Human Resources application release 8.80.000.
Problem	You will see a "Component Interface Not Found" message at run time, even though everything has been properly configured.
Platform	All
Workaround	Unlike most other observed issues, this is due to a problem in the way the PeopleSoft application has been delivered and is not related to the PeopleTools release. The workaround is to open up the component interface in the PeopleTools Application Designer, make some small change to the component interface, then undo the change, then save the component interface. This resets certain internal PeopleSoft data structures which enables the iWay Adapter to find the component interface. This behavior has been observed in the LOCATION component interface running on the Human Resource applications release 8.8.000 on several different releases of PeopleTools; but it may occur in other component interfaces as well.

Known Limitations

This section describes limitations in the current BEA WebLogic Adapter for PeopleSoft 8 release and includes possible workarounds, where applicable.

If an entry includes a CR (Change Request) number, a possible solution may exist in a future BEA WebLogic Adapter for PeopleSoft 8 release where BEA will provide vendor-specific code to fix the problem. Refer to this number to conveniently track the solution as the problems are resolved.

Please contact your BEA Technical Support for assistance in tracking any unresolved problems. For contact information, see the section “Contacting BEA Customer Support.”

Table 2. Known Limitations

1	BEA Application Explorer
Problem	Although PeopleSoft permits Component Interface names that begin with certain special characters (such as an underscore), the BEA Application Explorer will not recognize such names.
Platform	All platforms
Workaround	Begin Component Interface names with the letters A-Z or the integers 0-9.
2	Adapter fails to receive events
Problem	When using UTF-8, Shift-JIS, or EUC-JP encoding, the adapter can wait indefinitely for an event.
Platform	All platforms
Workaround	None.
3	Conflict between two instances of a single application view
	If you are testing an application view and then publish it, you will see this error: “java.lang.IllegalStateException: unable to create server socketjava.net.BindException: Address already in use:”. When the adapter instance is in test mode in the Application Integration Design Console and it is published, you have two instances of the application view (Application Integration and Workshop) that are trying to use the same port for the service. One of them returns an error “address already in use.”

Table 2. Known Limitations

Platform	All
Workaround	Stop testing the application view before you publish it.
4	In a clustered environment, events must be targeted at only one node (managed server).
Problem	In a clustered environment, events must be targeted at only one node (managed server).
Platform	All
Workaround	None
5	Auto-suspend and resume is not implemented for any of the adapters.
Problem	Auto-suspend and resume is not implemented for any of the adapters.
Platform	All
Workaround	None

Contacting BEA Customer Support

If you have any questions about this version of BEA PeopleSoft 8, or if you have problems installing and running the BEA WebLogic Adapter for PeopleSoft 8, contact BEA Customer Support through BEA WebSupport at www.beasys.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
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

