



Release Notes for BEA WebLogic ERP Adapters  
Version 5.5.006

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## RELEASE NOTES

# Release Notes for BEA WebLogic ERP Adapters

### Topics:

- About the Release Notes for BEA WebLogic ERP Adapters
- General
- Servlet Application Explorer
- Java Swing Application Explorer
- Integration Business Services Engine
- BEA WebLogic Adapter for Siebel
- BEA WebLogic Adapter for SAP
- BEA WebLogic Adapter for PeopleSoft 8
- BEA WebLogic Adapter for Oracle E-Business Suite
- JCA Resource Connector and Test Tool
- Customer Support

The following release notes describe known issues for the iWay 5.5.006 release for BEA WebLogic ERP Adapters deployed on BEA WebLogic Server Version 8.1.

## About the Release Notes for BEA WebLogic ERP Adapters

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The release notes for BEA WebLogic ERP Adapters address known limitations and miscellaneous issues relating to the following components:

- Servlet Application Explorer. For more information, see *Servlet Application Explorer* on page 1-3.
- Java Swing Application Explorer. For more information, see *Java Swing Application Explorer* on page 1-3.
- Integration Business Services Engine. For more information, see *Integration Business Services Engine* on page 1-5.
- BEA WebLogic Adapter for Siebel. For more information, see *BEA WebLogic Adapter for Siebel* on page 1-9.
- BEA WebLogic Adapter for SAP. For more information, see *BEA WebLogic Adapter for SAP* on page 1-14.
- BEA WebLogic Adapter for PeopleSoft 8. For more information, see *BEA WebLogic Adapter for PeopleSoft 8* on page 1-19.
- BEA WebLogic Adapter for Oracle E-Business Suite. For more information, see *BEA WebLogic Adapter for Oracle E-Business Suite* on page 1-29.
- JCA Resource Connector and Test Tool. For more information, see *JCA Resource Connector and Test Tool* on page 1-30.

## General

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The following section provides general issues that pertain to the BEA WebLogic ERP Adapters Version 5.5.

### Adapter Compatibility

If you are currently using a BEA WebLogic adapter for an EIS (for example, SAP) and want to install an iWay 5.5 adapter for the same EIS using the same domain, conflicts may arise when attempting to connect to different versions of that EIS. This is a result of varying 3rd party file requirements. As a workaround, you must create a new domain for the iWay 5.5 adapter you are installing.

## Servlet Application Explorer

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The following topics provide information about Servlet Application Explorer (AE) Release 5.5.

### Known Limitations

This section describes limitations in the current AE and includes possible workarounds, where applicable.

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

1	Idle Targets
Problem	<p>If a particular EIS target in Servlet Application Explorer (AE) is idle and you try to perform any operation for that target, the following error message displays:</p> <pre data-bbox="536 784 911 808">session is removed for sid</pre> <p>AE indicates that the target is still connected, but no operations can be performed.</p>
Platform	All.
Workaround	<p>In the left pane of AE, select the target and disconnect from it. Reconnect to the target once this is done.</p>

## Java Swing Application Explorer

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The following topics provide information about Java Swing Application Explorer (AE) Release 5.5, which is integrated within BEA WebLogic Workshop.

### Known Limitations

This section describes limitations in the current AE within WLI 8.1 Workshop and includes possible workarounds, where applicable.

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

1	Long Method and Service Names
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Problem	When you use long Method and Service names in AE, WebLogic Workshop displays the following error when compiling WSDL:  <i>The system cannot find the path specified.</i>
Platform	All.
Workaround	Use a shorter TEMP environment variable setting and shorter Service and Method names in AE. Another option is to set shorter namespaces using XSDCONFIG in WebLogic Workshop.
<b>2</b>	<b>Underscore Characters in Service and Method Names</b>
Problem	If you create a service or method in Java Swing AE or Servlet AE that uses underscore characters, WebLogic Workshop generates an incorrect JCX control file that contains an incorrect input argument.
Platform	All.
Workaround	Do not use an underscore character when naming a service or method.
<b>3</b>	<b>Format Adapter Channels</b>
Problem	When using a JCA configuration, you are unable to start a format adapter channel.
Platform	All.
Workaround	Use the servlet version of AE or the JCA Test Tool to start the channel for a JCA configuration.
<b>4</b>	<b>BouncyCastle Exception</b>
Problem	When using the JCA Test Tool, a <code>ClassNotFoundException</code> exception is received.
Platform	All.
Workaround	This exception does not affect the functionality of the JCA Test Tool and will be fixed in the RG2 release.
<b>5</b>	<b>HTTPROUTER Host Name</b>

Problem	<p>When the HTTPROUTER is running on a different machine than the managed server, the generated WSDL file from Application Explorer contains a host name of the machine where the managed server resides and not the HTTPROUTER.</p> <p>iWay code queries BEA to retrieve the host information when generating a WSDL file. WebLogic returns a host name of the machine where Integration Business Services Engine is currently running.</p> <p>As a result, if you connect to <code>http://managedServer1</code>, the WSDL file will contain "managedServer1" as a host. If you connect to <code>http://managedServer2</code>, the WSDL file will contain "managedServer2" as a host.</p> <p>This behavior is expected as designed.</p>
Platform	All.
Workaround	Modify the WSDL file manually and specify the correct URL for your HTTPROUTER host.

## Integration Business Services Engine

The following topics provide information about Integration Business Services Engine (iBSE) Release 5.5.

### Channel Scalability

When configuring your adapter for event handling, the iWay Application Explorer is used as a design time component to create channels. During runtime, the Integration Business Services Engine (iBSE) processes event information.

By design, the Integration Business Services Engine (iBSE) includes a hard coded number of channels that can be defined for your adapter. Internally, this value specifies the number of processes that iBSE can activate concurrently, which translates into the number of channels. This number is set to five by default.

Since iBSE reserves one process for its internal use, there are four processes remaining for the end user.

To increase the number of channels that are available, you must deploy iBSE on a separate instance of the BEA WebLogic Server, which is outside of the cluster. An additional set of four channels become available for your adapter as a result. Repeat this process if your application requires more channels.

**Note:** Deploying multiple instances of iBSE as managed servers on a single machine within the same clustered environment will not provide additional channels.

## Known Limitations

This section describes limitations in iBSE and includes possible workarounds, where applicable.

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

1	<b>UTF-8 Encoding Support</b>
Issue	In the iBSE Configuration window, the Encoding drop-down list has been removed. By default, support for UTF-8 (8-bit Unicode Transformation Format) is enabled.
Platform	All.
2	<b>SOAP Address in the Production Mode</b>
Problem	<p>The BEA WebLogic Workshop application (.ear) using the Service Control created from WSDL that is generated by iBSE, contains the development machine address as the SOAP address. WebLogic Workshop compiles this WSDL file and saves the address in a JCX control file under the annotation tag <code>@jc:location</code>.</p> <pre data-bbox="536 1082 1138 1268"> &lt;soap:address location="http://abc.beasys.com:7001/ibse/ IBSEServlet/XDSOAPRouter" /&gt;  @jc:location http-url="http://abc.beasys.com:7001/ibse/ IBSEServlet/XDSOAPRouter" </pre> <p>The Web service request will not work if you deploy the developed application on a different machine (when the IP address changes), different domain (when the IP and Port change) or build the .ear file and deploy it on a different environment (when IP, Port, and machine name change). This limitation occurs on both migration of the application/ear and on the production mode.</p>

Platform	All.
Workaround	<p>On Service Control it is possible to set the URI dynamically. During Service Control creation, set the method <code>setEndPoint(URL url)</code>. You then can dynamically change the URL after deployment to point to any machine.</p> <p>Another option is to modify the WSDL file during design time, correct the SOAP address and update the <code>@jc:location</code> tag in the JCX file to the new environment or target environment. This will require you to re-deploy the user application.</p>
<b>3</b>	<b>Unique WSDL File Target Namespace</b>
Problem	<p>In WebLogic Workshop, a WSDL file target namespace must be unique to avoid errors during compilation. If you import multiple WSDL files (BAPI, RFC) that are generated from iBSE, the WebLogic Workshop compiler displays the following error.</p> <pre>Created dir: D:\TEMP\wlw-temp-64130\wlw_compile34484\Schemas ERROR: error: Duplicate globalelement: ibsinfo@urn:schemas-iwaysoftware-com:iwse ERROR: error: Duplicate globalelement: adapterexception@urn:schemas-iwaysoftware-com:iwse</pre>
Platform	All.
Workaround	Modify the WSDL file target namespace to a unique namespace.
<b>4</b>	<b>Problem Executing iwse.ora to Configure Oracle Database Repository</b>

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**Problem** When executing the iwae.ora script to configure an Oracle database as the repository for iBSE, the following errors display:

```
SP2-0734: unknown command beginning
"CONSTRAINT..." - rest of line ignored.

SP2-0734: unknown command beginning
"PRIMARY KE..." - rest of line ignored.

SP2-0042: unknown command ")" - rest of
line ignored.

SP2-0734: unknown command beginning
"CONSTRAINT..." - rest of line ignored.

SP2-0734: unknown command beginning
"PRIMARY KE..." - rest of line ignored.

SP2-0042: unknown command ")" - rest of
line ignored.

SP2-0734: unknown command beginning
"CONSTRAINT..." - rest of line ignored.

SP2-0734: unknown command beginning
"PRIMARY KE..." - rest of line ignored.

SP2-0042: unknown command ")" - rest of
line ignored.
```

```
Table created.
CREATE TABLE AF_TARGETS (
*
ERROR at line 1:
ORA-00955: name is already used by an
existing object
```

```
CREATE TABLE AF_TARGETS (
*
ERROR at line 1:
ORA-00955: name is already used by an
existing object
```

In addition, the following tables are not created:

- AF\_CHANNELS
- AF\_KEYS
- AF\_PORTS

Platform	All.
Workaround	Modify the iwse.ora script and remove the extra empty lines above CONSTRAINT PK_AF_*, which are lines 93, 104, and 117.
<b>5</b>	<b>Security Header Information</b>
Problem	When creating Web services, service, method, and license values are placed in the WSDL document. However, these values are also required in the SOAP header.  During run time, the service, method, and license values are used from the WSDL document and not the SOAP envelope and header.
Platform	All.
Workaround	The service, method, and license values will be used directly from the SOAP header in a future release.
<b>6</b>	<b>Oracle Repository Driver</b>
Problem	When configuring the Oracle repository for iBSE, the ojdbc14 driver is not supported.
Platform	All.
Workaround	If you are running in a clustered environment, configure the SQL server database. If you are running in a single environment, configure the SQL server database or a File repository.

## BEA WebLogic Adapter for Siebel

The following topics provide information about the BEA WebLogic Adapter for Siebel.

### Siebel Versions and APIs Supported

The following table indicates which combinations of adapter platforms and Siebel platforms are supported, and for each combination, which Siebel release and Siebel APIs are supported.

All Siebel minor releases, for example 6.3.x, are supported by the BEA WebLogic Adapter for Siebel.

Adapter Platform	Siebel Platform	Siebel Release	API
UNIX (HP-UX, Solaris)	Windows, AIX, HP-UX, Linux	6.3 - 7.8.2	Java Data Bean
	Solaris	6.0.1 - 7.8.2	Java Data Bean
Windows	Windows	6.0.1 - 6.2	COM
		6.3 - 7.8.2	Java Data Bean
	Solaris	6.0.1 - 7.8.2	Java Data Bean
	AIX	6.3 - 7.8.2	Java Data Bean

**Note:** For Siebel Release 7.8.2, please contact BEA Customer Support for the required JAR file since the BEA WebLogic RG2 adapters have been released previously.

## Known Limitations

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

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

<b>1 Metadata Generation</b>	
Problem	The option to create service schemas for Siebel Integration Objects using Application Explorer is not available.
Platform	All.
Workaround	There is no workaround at this time.
<b>2 CR# 208239 Accessing Siebel Integration Objects</b>	
Problem	In the current release, the BEA WebLogic Adapter for Siebel does not interact with Integration Objects in a Siebel workflow using Web services or JCA in Application Explorer. This is a result of a limitation in Siebel software that does not handle the namespaces in the incoming XML document for the Integration Object.

Platform	All.
Workaround	Invoke a Siebel workflow that will run the Web service. Pass the XML document that represents the input via a protocol for example, HTTP or MQ that the workflow is listening on. You can build the emission of the XML document using that protocol as a Web service in Application Explorer.
<b>3 CR# 208233</b>	<b>Invoking a Java Process Definition as a Web Service</b>
Problem	When the adapter invokes the Java Process Definition (JPD), the SOAP document that is sent does not match the WSDL file that was used to generate the JPD. As a result, errors are generated.
Platform	All.
Workaround	This limitation will be resolved in a future release.

### Identical Namespaces in Multiple Schemas (CR# 208261)

When you use Application Explorer to create multiple schemas for business components under the same business objects, identical namespaces are created for each request and response schema. As a result, errors are generated in BEA WebLogic Workshop when building the two different imported schemas with the same namespaces.

As a workaround, you must manually modify the namespace for the request and response schema and make it unique for a given Schema Project in WebLogic Workshop.

After modifying the schemas, it is possible to create a Java Process Definition (JPD) in WebLogic Workshop and define a JCA Control for Siebel. When sending the document through JCA to the Siebel EIS system, WebLogic Workshop uses the modified namespace. When a response from the Siebel system is received through the adapter, the document contains the original (non- modified) namespace for the response schema. It is important to change the namespace of the response document to use the modified namespace. This will help the process flow of the JPD without any ClassCastException errors.

**Note:** The following steps server as a sample guideline for a workaround. You must understand generating XMLBeans, schemas, and using WebLogic Workshop before proceeding. The variables used here should be changed according to your application.

To substitute the modified namespace in the response document:

1. Start Application Explorer using a JCA implementation.

2. Create a schema for the Account business object and Account business component.

The following schemas are created:

- query\_request1740217175.xsd
- query\_request-1327888450.xsd
- query\_response1740217175.xsd
- query\_response-1327888450.xsd

3. Using BEA WebLogic Workshop, create a Process Application.

4. Edit the request and response schema for the above operations and make the namespace unique.

For example, in the enclosed XSD files for the schema, change the namespace and make it unique. Do the same for the request and response schemas.

The following example provides a sample of the original schema generated from Application Explorer:

```
<xsd:schema
targetNamespace="urn:iwaysoftware:adapter:siebel:oct2004:request"
xmlns:sbl="urn:iwaysoftware:adapter:siebel:oct2004:request"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified">
    <xsd:element name="Siebel">
        <xsd:complexType>
```

The following example provides a sample of the modified schema in WebLogic Workshop:

```
<xsd:schema
targetNamespace="urn:iwaysoftware:adapter:siebel:oct2004:request:1740"
xmlns:sbl="urn:iwaysoftware:adapter:siebel:oct2004:request:1740"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified">
    <xsd:element name="Siebel">
        <xsd:complexType>
```

**Note:** 1740 was appended in the namespace.

5. Import and compile the schemas in WebLogic Workshop and make sure there are no errors.
6. Create a process in WebLogic Workshop and add a JCA control for Siebel.
7. Add the service to the JPD and drag the service method to the JPD.

8. Create a variable for the request and response schema (Siebel and SiebelResponse) and also create a variable for response with type XMLObject. For example:

Req\_1740 --> Variable of type Siebel

Res\_1740--> Variable of type SiebelResponse

Res\_XO\_1740 --> Variable of type XMLObject

9. In the Service, make sure SendData sends Req\_1740 and ReceiveData receives Res\_XO\_1740 as an XML object.

10. Edit the service object in JPD and add the following code line below the block of the generated code.

This code should be added after the statement when the service control receives the XMLObject as a response.

```
/** CODE TO BE ADDED BEGIN */  
    // Get the XML stream from the XMLObject  
    java.io.InputStream ins =  
this.Res_XObj_1327.newInputStream();  
    // Get the schema type from the response document..( ie  
XMLObject )  
    SchemaType origSchemaType = this.Res_XObj_1327.schemaType();  
    // Get the schema properties out of the schema type  
    com.bea.xml.SchemaProperty[] origSchemaProps =  
origSchemaType.getProperties();  
    // Get the original namespace out of the schema properties  
    String origNS =  
origSchemaProps[0].getName().getNamespaceURI();  
    // It is important to get the modified namespace from the  
generated XMLBeans  
    // Instantiate a new XMLBeans for the response  
document..  
  
iwaysoftwareAdapterSiebelOct2004Response1327.SiebelResponseDocument  
ResXO_1327_sample =  
iwaysoftwareAdapterSiebelOct2004Response1327.SiebelResponseDocument.Fa  
ctory.newInstance();  
    // Get the schemaType from the document.  
    SchemaType modifiedSchemaType =  
ResXO_1327_sample.schemaType();  
    // Get the schema properties
```

```
        com.bea.xml.SchemaProperty[] modifiedSchemaProps =
modifiedSchemaType.getProperties();

        // Get the modified namespace from the schema properties
        String modifiedNS =
modifiedSchemaProps[0].getName().getNamespaceURI();

        // construct a hash map and put the modifies namespace as a
value for the key original namespace

        java.util.HashMap map = new java.util.HashMap();
        map.put ( origNS, modifiedNS );

        // Create XMLOption object and load the map.
        XmlOptions xmlOps = new XmlOptions();

        xmlOps.setLoadSubstituteNamespaces( map );

        // Construct a response document of the XMLBeans type using
the XML stream and the XMLOptions that contains the map

        // for substitution
        this.ResXO_1327 =
iwaysoftwareAdapterSiebelOct2004Response1327.SiebelResponseDocument.Fa
ctory.parse( ins, xmlOps );

/**    END OF CODE TO BE ADDED END **/
```

11. Once the modification is done , it can be saved and tested to make sure the request and response works with out any errors.

## BEA WebLogic Adapter for SAP

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The following topics provide information about the BEA WebLogic Adapter for SAP.

### SAP R/3 Versions and APIs Supported

In addition to the versions that are listed in the following table, the BEA WebLogic Adapter for SAP supports those SAP R/3 versions that are on the mainstream maintenance track as defined by the SAP Service Marketplace release strategy. To access this document, use the following URL:

<http://service.sap.com/releasestrategy/>

Adapter Platform	SAP R/3Release	API
UNIX (HP-UX, Solaris)	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6
	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6
Windows	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6
	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6
	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6
	4.6C, 4.6D, and SAP R/3 Enterprise 47x100 and 47x200*	SAP Java Connector (SAP JCo) 2.1.6

If the SAP R/3 version you are looking for is not listed in this table, please consult your BEA Customer Service Representative.

\*SAP R/3 Enterprise Version 47x100 and 47x200 is supported on the SAP Web Application Server Versions 6.20 and 6.40.

\*\*For the current release status of the SAP Java Connector, refer to SAP Note #549268 in the SAP Service Marketplace.

## Known Limitations

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

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

<b>1</b>		<b>Changes in SAP RFC Not Reflected</b>
Problem		When a change is made to an SAP RFC while the BEA WebLogic Adapter for SAP is maintaining a connection, the RFC changes are not dynamically reflected without redeployment of adapter.
Platform		All.
Workaround		Redeploy iBSE to make sure all connections are current.
<b>2</b>		<b>Collected IDocs</b>
Problem		When using collected IDocs during inbound processing (service mode), if the DOCNUM field does not have a unique document number for each IDoc, the system creates an IDoc for each header record in the collected IDoc file and duplicates the data for each IDoc.
Platform		All.
Workaround		Make sure the DOCNUM field is included in the EDI_DC40 structure and that each IDoc has a unique sequence number within the collected IDoc file.
<b>3 CR# 207201</b>		<b>Multibyte Character Sets (MBCS)</b>
Problem		When creating an IDoc event, the XML response document that is returned contains unexpected contents. This problem occurs if more than one MBCS elements are present.
Platform		All.
Workaround		This limitation will be addressed in a future release.

## Miscellaneous Issues

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

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.



1	<b>Multiple Events Using Identical Program IDs</b>
<p>Problem</p>	<p>Configuring multiple events in BEA WebLogic that use the same SAP Program ID allows you to load balance SAP event data over multiple adapter event consumers. However, when configuring each event, all the event parameters for each event must match precisely. If one of the event configuration parameters (for example, log level) is different for one of the events, WLI will create a different schema for that event, and event data can be lost.</p> <p>In this scenario, because you are using the same SAP program ID, SAP will send event data to all events configured with that program ID. WLI, however, creates separate schema for each event (because configuration parameter(s) differ), and then binds a specific event channel to that event schema. The result is that only events that match that schema are sent over a specific channel. While SAP is sending event data to every event configured with the same program ID, WLI, as it validates schemas, rejects any event data that does not match the schema for that channel.</p> <p>For example, only Doc. A events that appear on the first channel are received and Doc. B events that appear on the second channel are received. Doc. B events that appear on the first channel are rejected since they do not pass schema type validation. The same result occurs for Doc. A events that appear on the second channel.</p>
<p>Platform</p>	<p>All.</p>
<p>Workaround</p>	<p>If you wish to load balance SAP event data over multiple events in BEA WebLogic, be sure to configure each event in precisely the same way.</p> <p>If you do not wish to use load balancing, configure a separate event for each SAP program ID. Also, be sure that no other event configured in an Application View or in another BEA application uses the same program ID.</p>

## BEA WebLogic Adapter for PeopleSoft 8

The following topics provide information about the BEA WebLogic Adapter for PeopleSoft 8.

### PeopleSoft 8 Versions and PeopleTools Release Levels Supported

The following table indicates which combinations of adapter platforms and PeopleSoft platforms are supported, and for each combination, which PeopleSoft release and PeopleSoft Tools release is supported.

Adapter Platform	PeopleSoft Platform	PeopleSoft Release	PeopleTools Release Level
UNIX (HP-UX, Solaris)	Windows, AIX, HP-UX, Linux	8.1	8.16.03 - 8.22
		8.4	8.40.05 - 8.47
	Solaris	8.1	8.16.03 - 8.22
		8.4	8.40.05 - 8.47
Windows	Windows	8.1	8.16.03 - 8.22
		8.4	8.40.05 - 8.47
	Solaris	8.1	8.16.03 - 8.22
		8.4	8.40.05 - 8.47
	AIX	8.1	8.16.03 - 8.22
		8.4	8.40.05 - 8.47

### Known Limitations

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

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

<b>1</b>	<b>PeopleSoft LDAP authentication is incompatible with the adapter.</b>
Problem	<p>PeopleSoft LDAP authentication relies on signon PeopleCode. However, the authentication services that PeopleSoft provides with component interfaces do not invoke signon PeopleCode, so you cannot use PeopleSoft LDAP authentication with the BEA WebLogic Adapter for PeopleSoft 8.</p> <p>For more information, refer to PeopleSoft support cases 1950800 and 1912889. iWay Software is working with PeopleSoft to resolve this issue.</p>
Platform	All.
Workaround	None.
<b>2</b>	<b>Limitation with level 2 scrolls.</b>
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> <p>If you receive this error, you must upgrade your PeopleSoft release level.</p> <p>This limitation is fixed in PeopleTools Version 8.16.08, and PeopleTools Version 8.17.02 in the 8.1x code line. It is tracked by PeopleSoft Incident T-MZYGAR-2C5YS.</p> <p>In the 8.4x code line, this limitation is tracked by PeopleSoft Incident T-TCHURY-YZ9FR and is fixed in PeopleSoft 8.41.</p>
Platform	All.
Workaround	None.
<b>3</b>	<b>Limitation with level 3 scrolls.</b>

Problem	<p>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.</p> <p>If you receive this error, you must upgrade your PeopleSoft release level.</p> <p>This limitation is fixed in PeopleTools Version 8.18 and is tracked by PeopleSoft Incident T-MZYGAR-D2529. However, this is still a limitation in PeopleSoft 8.41 and 8.42 (PeopleSoft Incident T-MZYGAR-3F72X). PeopleSoft has reported that this will be fixed in 8.43 (PeopleSoft incident report, 562734000).</p>
Platform	All.
Workaround	None.
<b>4</b>	<b>Limitation with effective dated scrolls.</b>
Problem	<p>PeopleSoft has acknowledged that there is a limitation with effective dating and multiple transactions. 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.</p>
Platform	All.
Workaround	None.
<b>5</b>	<b>Limitation when inserting a second row for level 1, 2, or 3 scrolls.</b>

Problem	<p>If you are trying to insert a level 1, 2, or 3 scroll and the following conditions exist:</p> <p>there is exactly one row for the level 1, 2, or 3 scroll</p> <p>there are required field names that end in a numeric value</p> <p>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. Note that the actual property name is ADDRESS1. iWay Software is working with PeopleSoft to resolve this issue.</p>
Platform	All.
Workaround	<p>As a workaround, perform the following steps:</p> <p>In the PeopleSoft Application Designer, open the component interface you are working with.</p> <p>Select the property that ends in a numeric value.</p> <p>Right-click and select <i>Edit Name</i> from the context menu.</p> <p>Change the name of the property.</p> <p>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> <p>Save the component interface.</p> <p>Re-generate the Java APIs for the component interface. For more information, see the <i>BEA WebLogic Adapter for PeopleSoft 8 User's Guide</i>.</p> <p>Use the revised property name in your XML and/or iXTE transaction.</p>
<b>6</b>	<b>Limitation when creating a schema for multi-level component interfaces.</b>

Problem	<p>In later releases of the 8.1x series, if you try to create a schema for a multi-level component interface, the following error occurs:</p> <p><i>Index: -1, Size: 0</i></p> <p>This is a result of a change in the back-end PeopleSoft interface in later versions of the 8.1 series.</p>
Platform	All.
Workaround	<p>As a workaround, perform the following steps:</p> <p>Delete the iwpsci81.jar file from the C:\Program Files\Common Files\iway\Adapters\5.2.104\lib directory.</p> <p>Generate and compile the Java APIs for the IWY_CI_ATTRIBUTES and IWY_CI_MESSAGES component interfaces and place them in the C:\Program Files\Common Files\iway\Adapters\5.2.104\lib directory.</p> <p>For more information, see the BEA WebLogic Adapter for PeopleSoft 8 User's Guide.</p>
<b>7</b>	<b>PeopleTools date format.</b>
Problem	<p>The YYYY-MM-DD date format does not work for a Component Interface key.</p> <p>PeopleSoft has acknowledged this limitation for most releases of PeopleTools and has addressed it in the newest releases. For more information, see PeopleSoft Resolution ID 200730918</p>
Platform	All.
Workaround	<p>Use the MM/DD/YYYY format. Alternatively, you can write a PeopleSoft method that takes a date format of YYYY-MM-DD, changes the date to a string, reformats it to DD/MM/YYYY, and passes it to the Component Interface's date.</p>

<b>8</b>	<b>Generating Java APIs.</b>
Problem	<p>It is possible to create Component Interfaces within PeopleSoft that are internally inconsistent. Inconsistencies in Component Interface templates delivered by PeopleSoft have been observed. Symptoms of this behavior include errors when generating the Java APIs in the PeopleSoft Application Designer.</p> <p>If you encounter errors while generating the Java APIs, the Component Interface is likely to malfunction and can possibly corrupt your database. The correct operation of Component Interfaces when errors appear during API generation cannot be guaranteed. In addition, it is strongly recommended that the source of the errors are fixed before continuing.</p>
Platform	All.
Workaround	Fix the Component Interface using PeopleTools.
<b>9</b>	<b>Differences between Component Interface behavior and adapter behavior.</b>
Problem	<p>Differences between Component Interfaces and standard application behavior relating to panel processing have been observed. Among the possible symptoms of these differences are messages such as, "First Operand of . is NULL". The BEA WebLogic Adapter for PeopleSoft 8 should replicate the functionality of a PeopleSoft Component Interface, but only when the Component Interface is run through the PeopleSoft application server in three-tier mode.</p> <p>If you notice differences between expected Component Interface behavior and adapter behavior, please verify that the difference is real by running the Component Interface with the PeopleTools Component Interface test tool in three-tier mode.</p>

Platform	All.
Workaround	Test the Component Interface using the PeopleTools Component Interface testing tool in three-tier mode only.
<b>10</b>	<b>Missing Field Errors when using a Component Interface.</b>
Problem	When using a Component Interface, it is difficult to determine which of the required fields are missing when you receive a PeopleSoft error message that states, "The highlighted field is required." PeopleSoft has acknowledged this limitation.
Platform	All.
Workaround	You can edit the message in the PeopleSoft message catalog, to pass a variable for the field name. For more information, see PeopleSoft Resolution 200731449.
<b>11</b>	<b>Support for related display fields.</b>
Problem	Related display fields are not supported by Component Interfaces. PeopleSoft has acknowledged this limitation.
Platform	All.
Workaround	For more information, see PeopleSoft Resolution 200731974, which offers several workarounds.

<b>12</b>	<b>Differences between Component Interface behavior and adapter behavior relating to panel processing</b>
Problem	<p>PeopleSoft has acknowledged problems in the Component Interface back-end processor which will cause the adapter to behave differently than the Component Interface test tool in three-tier mode for certain Component Interfaces.</p> <p>PeopleSoft Case 1965239 describes a problem with the CI_JOB_DATA_HIRE Component Interface in HR 8.1x. In this situation, the NAME field is not populated by PeopleCode correctly. The workaround is to manually populate the NAME field through the XML.</p> <p>PeopleSoft Resolution ID 200728981 describes a problem with the JOBCODE Component Interface which does not allow the REG_TEMP field to be changed to empty. As a workaround, customers must upgrade to a newer release of PeopleTools.</p>
Platform	All.
Workaround	The workaround is dependant on the Component Interface.
<b>13</b>	<b>Multiple effective dated scrolls</b>
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.

<b>14</b>	<b>Method Not Found error for CARRIER Component Interface in PeopleTools 8.42</b>
Problem	iWay has uncovered a problem with the PeopleSoft generated Java APIs which causes a run time error for the CARRIER Component Interface in PeopleTools 8.42. It is not yet known whether this error is unique to the CARRIER Component Interface or whether it will appear in other Component Interfaces. iWay has reported this problem to PeopleSoft under Case ID 20172089.
Platform	All.
Workaround	None.
<b>15</b>	<b>Debug message</b>
Problem	For certain releases of PeopleTools 8.4x, you may receive the following message in your debug window:  <code>PSProperties not yet initialized!</code>  This is only a PeopleSoft warning message and you may ignore it.
Platform	All.
Workaround	None.
<b>16</b>	<b>LOCATION Component Interface</b>
Problem	When you attempt to access the LOCATION component interface using the Human Resources application, release 8.80.000, a failure occurs during run time and the following message displays:  <code>Component Interface Not Found</code>  This is due to a problem in the way the PeopleSoft application has been delivered and is not related to the PeopleTools release.
Platform	All.

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Workaround	<p>Perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Open the component interface in the PeopleTools Application Designer.</li> <li>2. Make a small change to the component interface.</li> <li>3. Undo the change.</li> <li>4. Save the component interface.</li> </ol> <p>This procedure resets certain internal PeopleSoft data structures, which enables the BEA WebLogic Adapter for PeopleSoft 8 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.</p>
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## Miscellaneous Issues

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

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

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<b>1</b>	<b>Application Explorer</b>
Problem	Although PeopleSoft permits Component Interface names that begin with certain special characters (such as an underscore), the Application Explorer will not recognize such names.
Platform	All.
Workaround	Begin Component Interface names with the letters A-Z or the integers 0-9.

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## BEA WebLogic Adapter for Oracle E-Business Suite

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The following topics provide information about the BEA WebLogic Adapter for Oracle E-Business Suite.

### Oracle Releases and Platforms Supported

The following table indicates which combinations of adapter platforms, Oracle platforms, and Oracle Releases are supported.

Adapter Platform	Oracle Platform	Oracle Release
UNIX (HP-UX, Solaris)	Windows, AIX, HP-UX, Linux	10.7 - 11.510
	Solaris	10.7 - 11.510
Windows	Windows	10.7 - 11.510
		10.7 - 11.510
	Solaris	10.7 - 11.510
	AIX	10.7 - 11.510

For more information on the interface tables that are supported, see the *BEA WebLogic Adapter for Oracle E-Business Suite User's Guide*.

### Known Limitations

This section describes limitations in the current BEA WebLogic Adapter for Oracle E-Business Suite and includes possible workarounds, where applicable.

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

1	Creating Channels
Problem	When you try to create a channel for Oracle using Application Explorer in WebLogic Workshop with an Oracle database repository and iBSE configuration, the following exception is generated:  <code>java.sql.SQLException: ORA-01401: inserted value too large for column</code>
Platform	All.

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Workaround	Create the channel using Servlet Application Explorer instead of Application Explorer in WebLogic Workshop.
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## JCA Resource Connector and Test Tool

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The following topics provide information about the JCA Resource Connector and Test Tool.

### Known Limitations

This section describes limitations in the current JCA Resource Connector and Test Tool and includes possible workarounds, where applicable.

Please contact Customer Support for assistance in tracking any unresolved problems. For contact information, see the section *Customer Support* on page 1-33.

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<b>1</b>	<b>Exceptions Related to Shortage of Connections</b>
Issue	The JCA Resource Connector has an initial capacity value of 0 by default, and cannot be changed. The maximum capacity value is 10 by default and can be changed to a higher value.
Platform	All.
<b>2</b>	<b>Creating an iWay (CCI) control</b>
Problem	If you are using iWay adapters in a JCA deployment mode and create an iWay (CCI) control in WebLogic Workshop, the resulting JCX file has a hard-coded target (connection) name. The resulting EAR file from BEA WebLogic Workshop has the connection/target name set to the EIS used in development mode. When you try to move the EAR file from development mode to production mode and a different EIS target is used in production, you will receive errors.
Platform	All

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Workaround	<p>As a best practice, use the same logical name while creating a target on both development and production machines.</p> <p>Another workaround is, during design time, to pass in the target name using the method <code>SetTarget</code> in the JCA control. In development mode, pass in the target/connection information for the development mode EIS, and in production mode pass in the target/connection for the production mode EIS.</p>
<b>3</b>	<b>BouncyCastle Exception</b>
Problem	When using the JCA Test Tool, a <code>ClassNotFoundException</code> exception is received.
Platform	All.
Workaround	This exception does not affect the functionality of the JCA Test Tool and can be ignored. It will be fixed in a future release.
<b>4</b>	<b>Internationalization (i18n) Support</b>
Problem	For localization purposes, the JCA Test Tool does not support different character set encoding options or code pages for all adapters.
Platform	All.
Workaround	Use the JCA Test Tool within WebLogic Workshop.
<b>5 CR# 209249</b>	<b>Warning Message in BEA WebLogic Server Startup Console</b>
Problem	<p>After deploying JCA adapters, the following warning message appears in the startup console when starting the BEA WebLogic Server:</p> <pre>&lt;Warning&gt; &lt;Connector&gt; &lt;BEA-190079&gt; &lt;The descriptor element shrink-period-minutes has been replaced by shrink-frequency-seconds.&gt;</pre>
Platform	All.

Workaround	<p>As a best practice, use the same logical name while creating a target on both development and production machines.</p> <p>Another workaround is, during design time, to pass in the target name using the method <code>SetTarget</code> in the JCA control. In development mode, pass in the target/connection information for the development mode EIS, and in production mode pass in the target/connection for the production mode EIS.</p>
<b>3</b>	<b>BouncyCastle Exception</b>
Problem	When using the JCA Test Tool, a <code>ClassNotFoundException</code> exception is received.
Platform	All.
Workaround	This exception does not affect the functionality of the JCA Test Tool and can be ignored. It will be fixed in a future release.
<b>4</b>	<b>Internationalization (i18n) Support</b>
Problem	For localization purposes, the JCA Test Tool does not support different character set encoding options or code pages for all adapters.
Platform	All.
Workaround	Use the JCA Test Tool within WebLogic Workshop.
<b>5 CR# 209249</b>	<b>Warning Message in BEA WebLogic Server Startup Console</b>
Problem	<p>After deploying JCA adapters, the following warning message appears in the startup console when starting the BEA WebLogic Server:</p> <pre>&lt;Warning&gt; &lt;Connector&gt; &lt;BEA-190079&gt; &lt;The descriptor element shrink-period-minutes has been replaced by shrink-frequency-seconds.&gt;</pre>
Platform	All.

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Workaround	You can ignore this message. This message appears because the deployment descriptor for the iwafjca.rar file contains the <code>shrink-period-minutes</code> element, which is deprecated in BEA WebLogic Server Version 8.1 SP3.
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## Customer Support

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If you have any questions about BEA WebLogic ERP Adapters, or if you have problems installing and running the adapters, contact BEA Customer Support through BEA WebSupport 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 product you are using
- A description of the problem and the content of pertinent error messages

