

iWay

iWay Release Notes for BEA WebLogic 8.1
Service Pack 3
Release Group 2
Version 5 Release 5

RELEASE NOTES

iWay 5.5 Release Group 2 for BEA WebLogic 8.1 Service Pack 3

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The following release notes describe known issues for iWay 5.5 Release Group 2 (RG2) for BEA WebLogic Service Pack 3 (SP3).

About the iWay 5.5 RG2 Release

The iWay 5.5 RG2 release notes for BEA WebLogic 8.1 SP3 address known limitations and miscellaneous issues relating to the following components:

- iWay Servlet Application Explorer. For more information, see *iWay Servlet Application Explorer* on page 1-6.
- Java Swing Application Explorer. For more information, see *Java Swing Application Explorer* on page 1-7.
- iWay Business Services Engine. For more information, see *iWay Business Services Engine* on page 1-9.
- JCA Resource Connector and Test Tool. For more information, see *JCA Resource Connector and Test Tool* on page 1-13.
- iWay Adapter for HIPAA for BEA WebLogic. For more information, see *iWay Adapter for HIPAA for BEA WebLogic* on page 1-15.
- iWay Adapter for CORBA for BEA WebLogic. For more information, see *iWay Adapter for CORBA for BEA WebLogic* on page 1-16.

General

The following section provides general issues that pertain to the iWay 5.5 RG2 for BEA WebLogic 8.1 SP3.

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.

Stopping or Suspending Channels

When stopping or suspending an event channel in iWay 5.5, the channel will stop listening and any event data from the outbound system is lost as a result. You must start or resume the event channel to start receiving event data.

Invoking a JPD as a Web Service (HT# 93421130)

When an iWay 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. This limitation will be resolved in a future release.

Identical Namespaces in Multiple Schemas (HT# 92851097)

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 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 serve 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.

Supported Platforms

The following section provides a summary of supported platforms for iWay 5.5 RG2 for BEA WebLogic 8.1 SP3.

Operating System Requirements

At this time, iWay 5.5 RG2 for BEA WebLogic 8.1 SP3 is supported on the following operating systems:

- Microsoft Windows 2000 with SP2 and Windows 2003
- Linux
- Solaris 8 and 9
- HP/UX 11
- AIX 5

For additional operating system support information, contact iWay Software Customer Support.

BEA Requirements

Ensure that BEA WebLogic Server 8.1 (with service pack 3) is properly installed and functioning before configuring it for use with iWay 5.5 RG2. For more information on BEA WebLogic installation and configuration, see BEA documentation. You should install available BEA WebLogic service packs before installing iWay.

iWay Servlet Application Explorer

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

Software Requirements

For a list of software requirements and supported platforms that apply to iAE, see *iWay Installation and Configuration for BEA WebLogic*.

Known Limitations

This section describes limitations in the current iAE 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 1-17.

1		Idle Targets
Problem	<p>If a particular EIS target in iWay Servlet Application Explorer (iAE) is idle and you try to perform any operation for that target, the following error message displays:</p> <pre>session is removed for sid</pre> <p>iAE indicates that the target is still connected, but no operations can be performed.</p>	
Platform	All.	
Workaround	In the left pane of iAE, select the target and disconnect from it. Reconnect to the target once this is done.	
2		Internationalization (i18n)
Problem	Currently, iAE does not support different character set encoding options for i18n or localization purposes.	
Platform	All.	
Workaround	Apply patch labeled BEA10066-55.zip .	

Java Swing Application Explorer

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

Software Requirements

For a list of software requirements and supported platforms that apply to iAE, see *iWay Installation and Configuration for BEA WebLogic*.

Known Limitations

This section describes limitations in the current iAE within WebLogic 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 1-17.

1 Long Method and Service Names	
Problem	When you use long Method and Service names in iAE, 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 iAE. Another option is to set shorter namespaces using XSDCONFIG in WebLogic Workshop.
2 Underscore Characters in Service and Method Names	
Problem	If you create a service or method using WebLogic Workshop Swing iAE or Servlet iAE 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.
3 Format Adapter Channels	
Problem	When using a JCA configuration, you are unable to start a channel for an iWay format adapter.
Platform	All.
Workaround	Use the servlet version of iAE or the JCA Test Tool to start the channel for a JCA configuration.
4 HTTPROUTER Host Name	

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 iWay 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.

iWay Business Services Engine

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

Software Requirements

For a list of software requirements and supported platforms that apply to iBSE, see *iWay Installation and Configuration for BEA WebLogic*.

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 1-17.

1	SOAP Address in the Production Mode
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><soap:address location="http://abc.beasys.com:7001/ibse/ IBSEServlet/XDSOAPRouter"/> @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>
2	Unique WSDL File Target Namespace

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: Duplicateglobalelement: ibsinform@urn:schemas-iwaysoftware-com:iwse ERROR: error: Duplicateglobalelement: adapterexception@urn:schemas-iwaysoftware- com:iwse </pre>
Platform	All.
Workaround	Modify the WSDL file target namespace to a unique namespace or create a new schema project for each WSDL file.
3	Problem Executing iwse.ora to Configure Oracle Database Repository

Problem	<p>When executing the iwae.ora script to configure an Oracle database as the repository for iBSE, the following errors display:</p> <pre>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</pre> <p>In addition, the following tables are not created:</p> <ul style="list-style-type: none">• AF_CHANNELS• AF_KEYS• AF_PORTS
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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.
4	Security Header Information
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.
5	Oracle Repository Driver
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.

JCA Resource Connector and Test Tool

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

Software Requirements

For a list of software requirements that apply to the JCA Resource Connector, see *iWay Installation and Configuration for BEA WebLogic*.

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 1-17.

1 Creating an iWay Extensible CCI control	
Problem	If you are using iWay adapters in a JCA deployment mode and create an iWay Extensible 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
Workaround	As a best practice, use the same logical name while creating a target on both development and production machines. 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.
2 BouncyCastle Exception	
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.
3 Internationalization (i18n) Support	

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.
4	Exceptions Related to Shortage of Connections
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.
5 HT# 93501095	Warning Message in BEA WebLogic Server Startup Console
Problem	After deploying JCA adapters, the following warning message appears in the startup console when starting the BEA WebLogic Server: <div> Warning Connector BEA-190079 The descriptor element shrink-period-minutes has been replaced by shrink-frequency-seconds. </div>
Platform	All.
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.

iWay Adapter for HIPAA for BEA WebLogic

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

Software Requirements

For a list of software requirements that apply to the iWay Adapter for HIPAA for BEA WebLogic, see *iWay Installation and Configuration for BEA WebLogic*.

Known Limitations

This section describes limitations in the current iWay Adapter for HIPAA for BEA WebLogic 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 1-17.

1 Long Namespace in WSDL File	
Problem	When compiling a WSDL file created using the iWay Adapter for HIPAA for BEA WebLogic in WebLogic Workshop, the following error occurs: <code>An unexpected exception occurred while attempting to locate the run-time information for this Web Service. Error: java.lang.reflect.InvocationTargetException :null</code>
Platform	All
Workaround	Manually shorten the request namespace in the WSDL file, but retain the original response namespace.

iWay Adapter for CORBA for BEA WebLogic

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

Software Requirements

For a list of software requirements that apply to the iWay Adapter for CORBA for BEA WebLogic, see *iWay Installation and Configuration for BEA WebLogic*.

Known Limitations

This section describes limitations in the current iWay Adapter for CORBA for BEA WebLogic 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 1-17.

1 Unsupported Datatype	
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Problem	The Any datatype is not supported for the iWay Adapter for CORBA for BEA WebLogic.
Platform	All
Workaround	None.

Customer Support

If you have any questions about iWay RG2 adapters for BEA WebLogic 8.1 SP3, 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

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