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Audience

The Oracle Fusion Middleware Application Adapters Installation Guide for Oracle WebLogic Server is intended for system administrators who install and configure ERP application adapters.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at http://www.oracle.com/accessibility/.

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Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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Related Documents

For more information, see the following documents in the Oracle Enterprise Repository 11g Release 1 (11.1.1) documentation set:

- Oracle Fusion Middleware Application Adapter Upgrade Guide for Oracle WebLogic Server
- Oracle Fusion Middleware Application Adapter for SAP R/3 User’s Guide for Oracle WebLogic Server
- Oracle Fusion Middleware Application Adapter for PeopleSoft User’s Guide for Oracle WebLogic Server
- Oracle's Unified Method (OUM)

A wealth of additional Governance information can be found within Oracle’s Unified Method (OUM). OUM can be used by Oracle employees, Oracle Partner Network Certified Partners or Certified Advantage Partners, and Clients who either participate in the OUM Customer Program or are engaged on projects where Oracle provides consulting services. OUM is a web-deployed toolkit for planning, executing and controlling software development and implementation projects.

For more information about OUM, see the OUM FAQ at http://my.oracle.com/portal/page/myo/ROOTCORNER/KNOWLEDGEAREAS1/BUSINESS_PRACTICE/Methods/Learn_about_OUM.html

Conventions

The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface</strong></td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
<tr>
<td><em>italic</em></td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td><strong>monospace</strong></td>
<td>Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.</td>
</tr>
</tbody>
</table>
This chapter provides an overview of Oracle Application Adapters for Oracle WebLogic Server 11g Release 1 (11.1.1). It contains the following topics:

- Oracle Application Server Adapter Overview
- Oracle Application Server Adapter System Requirements

1.1 Oracle Application Server Adapter Overview

The Oracle Application Adapters CD for Oracle WebLogic Server 11g Release 1 (11.1.1) enables you to install packaged application adapters.

Packaged application adapters integrate Oracle WebLogic Server with various packaged applications, such as SAP R/3 and Siebel. These adapters include Oracle Application Adapter for PeopleSoft, Oracle Application Adapter for SAP R/3, Oracle Application Adapter for Siebel, and Oracle Application Adapter for J.D. Edwards OneWorld.

Table 1–1 describes the packaged application adapters.

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Application Adapter for J.D. Edwards OneWorld</td>
<td>Provides comprehensive, bidirectional, and standards-based connectivity to J.D.Edwards OneWorld applications.</td>
</tr>
<tr>
<td>Oracle Application Adapter for PeopleSoft</td>
<td>Provides comprehensive, bidirectional, and standards-based connectivity to PeopleSoft applications.</td>
</tr>
<tr>
<td>Oracle Application Adapter for Siebel</td>
<td>Connects Oracle WebLogic Server to a Siebel system by providing unique features that minimize the implementation effort.</td>
</tr>
<tr>
<td>Oracle Application Adapter for SAP R/3</td>
<td>Connects Oracle WebLogic Server to an SAP R/3 system through Oracle Application Adapter for SAP R/3 to provide connectivity and integration with an SAP R/3 system.</td>
</tr>
</tbody>
</table>

1.1.1 Types of Installation

Packaged application adapters can be deployed as a:

- J2CA 1.0 resource adapter and test servlet for J2CA deployments
- Web services servlet within Oracle WebLogic Server, which is known as Oracle WebLogic Server Adapter Business Services Engine (BSE)
Oracle Application Server Adapter Application Explorer (Application Explorer) is also provided to configure Oracle WebLogic Server Application Adapters for packaged applications (for J2CA and BSE deployments).

1.2 Oracle Application Server Adapter System Requirements

The following sections describe the system requirements for installing Oracle Application Server Application Adapters:

- Hardware Requirements
- Software Requirements
- Supported EIS Systems

1.2.1 Hardware Requirements

Table 1–2 lists the hardware requirements for the computer where OracleAS Adapter is installed.

Table 1–2 Hardware Requirements

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Windows 2000</th>
<th>Solaris</th>
<th>Linux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disk Space (to install all adapters)</td>
<td>200 MB</td>
<td>200 MB</td>
<td>200 MB</td>
</tr>
<tr>
<td>Memory</td>
<td>256 MB</td>
<td>256 MB</td>
<td>256 MB</td>
</tr>
</tbody>
</table>

Note: The supported systems and platforms vary for OracleAS Adapter on an individual adapter level. For example, the Oracle Application Adapter for SAP R/3 does not support the Windows 2008 (64-bit) operating system.

For more information on supported systems and platforms for OracleAS Adapter, see Supported EIS Systems.

1.2.2 Software Requirements

The following section describes the OracleAS Adapter software requirements:

Operating System Requirements

Table 1–3 lists the operating system requirements for the computer where OracleAS Adapter can be installed.

Table 1–3 Operating System Requirements

<table>
<thead>
<tr>
<th>Platform Type</th>
<th>Platform List</th>
<th>32- or 64-bit</th>
<th>JDK Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>Intel x86 Microsoft Windows 2003 SP2/R2+</td>
<td>32-bit</td>
<td>Sun 1.6.0_07+ (32-bit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
</tr>
<tr>
<td></td>
<td>x64 Windows 2003 with SP2/R2+</td>
<td>64-bit</td>
<td>Sun 1.6.0_07+ (64-bit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
</tr>
<tr>
<td></td>
<td>Intel x86 Windows Server 2008</td>
<td>32-bit</td>
<td>Sun 1.6.0_07+ (32-bit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
</tr>
</tbody>
</table>
1.2.3 Supported EIS Systems

This section indicates which combinations of releases and system platforms are supported for the following EIS systems:

- SAP R/3
- PeopleSoft
- Siebel

---

<table>
<thead>
<tr>
<th>Platform Type</th>
<th>Platform List</th>
<th>32- or 64-bit</th>
<th>JDK Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>x64 Windows Server 2008</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Solaris</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Sun Solaris Sparc 2.9</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Sun Solaris Sparc 2.10</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>HP PA-RISC HP UX 11i 11.23, 11.31</td>
<td>64-bit</td>
<td>HP JDK 1.6.0.02 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Itanium-2 HP UX 11.23, 11.31</td>
<td>64-bit</td>
<td>HP JDK 1.6.0.02 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Linux Intel x86 Red Hat Linux EL 4 (UL7+)</td>
<td>32-bit</td>
<td>Sun 1.6.0.07+ (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
<td></td>
</tr>
<tr>
<td>Intel x86 Red Hat Linux EL 5.x (UL2)</td>
<td>32-bit</td>
<td>Sun 1.6.0.07+ (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
<td></td>
</tr>
<tr>
<td>x64 Red Hat Linux EL 4 (UL7+)</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>x64 Red Hat Linux EL 5.x (UL2+)</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Intel SUSE 10</td>
<td>32-bit</td>
<td>Sun 1.6.0.07+ (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
<td></td>
</tr>
<tr>
<td>x64 SUSE 10</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>Intel Oracle Enterprise Linux 4 (UL7+)</td>
<td>32-bit</td>
<td>Sun 1.6.0.07+ (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
<td></td>
</tr>
<tr>
<td>Intel Oracle Enterprise Linux 5.x (UL2+)</td>
<td>32-bit</td>
<td>Sun 1.6.0.07+ (32-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (32-bit)</td>
<td></td>
</tr>
<tr>
<td>x64 Oracle Enterprise Linux 4 (UL7+)</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>x64 Oracle Enterprise Linux 5.x (UL2+)</td>
<td>64-bit</td>
<td>Sun 1.6.0.07+ (64-bit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>JRockit 27.6 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>AIX IBM Power AIX 5L (5.3 ML01+)</td>
<td>64-bit</td>
<td>IBM 1.6 SR2 (64-bit)</td>
<td></td>
</tr>
<tr>
<td>IBM Power AIX 6.1</td>
<td>64-bit</td>
<td>IBM 1.6 SR2 (64-bit)</td>
<td></td>
</tr>
</tbody>
</table>
1.2.3.1 SAP R/3
The following SAP R/3 platforms are supported by the Oracle Application Adapter for SAP R/3:

- SAP R/3 Enterprise 47x100
- SAP R/3 Enterprise 47x200
- mySAP ERP Central Component (ECC) 5.0, deployed on SAP NetWeaver 2004
- mySAP ERP Central Component (ECC) 6.0, deployed on SAP NetWeaver 2004s
- SAP Java Connector (SAP JCo) Version 2.1.8 and 2.1.9

Notes:

- SAP JCo Version 2.1.8 is no longer supported by SAP. SAP recommends using SAP JCo Version 2.1.9. For more information, refer to SAP Note #1257539 in the SAP Service Marketplace.
- For 11g Release 1 (11.1.1), the Oracle Application Adapter for SAP R/3 supports SAP JCo Version 2.1.8 and 2.1.9.
- SAP JCo Version 2.1.8 is not supported on the Windows 64-bit platform. The JCo API does not support this platform.
- iWay Software fixes any adapter issues that are encountered while using SAP JCo Version 2.1.8. However, if there are any SAP JCo issues, then migrating to SAP JCo Version 2.1.9 is recommended.
- The Oracle Application Adapter for SAP R/3 does not support any versions of Apple Mac Operating Systems.
- Release versions may vary by product component. In addition, SAP functions may vary by SAP product version and support package.

1.2.3.2 PeopleSoft
The following PeopleSoft platforms are supported by the Oracle Application Adapter for PeopleSoft:

<table>
<thead>
<tr>
<th>Adapter Platform</th>
<th>PeopleSoft Platform</th>
<th>PeopleSoft Release</th>
<th>PeopleTools Release Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of platforms in Table 1–3, &quot;Operating System Requirements&quot;</td>
<td>All PeopleSoft supported platforms (for example, Windows, Solaris, AIX, and so on)</td>
<td>8.1</td>
<td>8.16.03 - 8.22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.4</td>
<td>8.40.05 - 8.50</td>
</tr>
</tbody>
</table>

1.2.3.3 Siebel
The following Siebel platforms are supported by the Oracle Application Adapter for Siebel:
### 1.2.3.4 J.D. Edwards OneWorld
The following J.D. Edwards OneWorld platforms are supported by the Oracle Application Adapter for J.D. Edwards OneWorld:

<table>
<thead>
<tr>
<th>Adapter Platform</th>
<th>J.D. Edwards OneWorld Platform</th>
<th>J.D. Edwards OneWorld Product and Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of platforms in</td>
<td>Windows, AS400, HP 9000/B,</td>
<td>■ XE (B7333) from SP19 to SP23</td>
</tr>
<tr>
<td>Table 1–3, &quot;Operating</td>
<td>Sun or IBM RS/6000</td>
<td>■ ERP 8.0 (B7334)</td>
</tr>
<tr>
<td>System Requirements&quot;</td>
<td></td>
<td>■ EnterpriseOne B9 (8.9)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ EnterpriseOne 8.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Tools Release 8.93 and 8.94)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ EnterpriseOne 8.11 (SP1)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ EnterpriseOne 8.12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Tools Release 8.96 2.0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>■ EnterpriseOne 9.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Tools Release 8.98.1.3)</td>
</tr>
</tbody>
</table>
This chapter describes how to install and configure Oracle Application Adapters for Oracle WebLogic Server 11g. It contains the following topics:

- Installing Oracle Application Adapters 11g Release 1 (11.1.1) on Windows
- Installing Oracle Application Adapters 11g Release 1 (11.1.1) on UNIX and Linux
- Configuring Oracle WebLogic Server Adapter Application Explorer
- Configuring and Deploying J2CA
- Configuring and Deploying Business Services Engine
- Postinstallation Tasks
- Uninstalling Oracle Application Adapters 11g Release 1 (11.1.1)

2.1 Installing Oracle Application Adapters 11g Release 1 (11.1.1) on Windows

Oracle Application Adapters can be installed with the following:

- Oracle WebLogic Server 11g Release 1 (11.1.1)

To install Oracle Application Adapters on a Windows platform, perform the following steps:

1. Install Java Development Kit (JDK) version 1.6 on the system.
   
   Oracle Application Adapters are certified with JDK version 1.6.

2. Ensure that the JDK is added to your system PATH or on a predefined path.
   
   If you have multiple JDK versions other than JDK version 1.6 installed on your system, then ensure that JDK version 1.6 is listed first in your system PATH. The installation program should install the adapters only with JDK version 1.6. The adapters should not be installed with any other JDK version.

3. Ensure that the Oracle SOA Suite 11g PS1 is installed on your system.
   
   In addition, ensure that the ORACLE_HOME variable is set correctly to point the middleware home. For example:
   
   C:\oracle\Middleware\home_0309\Oracle_SOAl

4. Navigate to the location on your system where the installation executable file is located.
   
   On Windows:
5. Double-click this file to start the Oracle Application Adapters for Oracle WebLogic Server installation program.

The installation program uses the JDK version that is available in your system PATH or on a predefined paths.

The Welcome screen is displayed.

6. Click Next.

The following screen is displayed.
7. Enter the path where Oracle SOA Suite is installed on your system. For example:
   C:\oracle\Middleware\home_0309\Oracle_SOAl

   The installation program installs all the application adapters and related files in the following location:
   ORACLE_HOME\soa\thirdparty\ApplicationAdapters

   In this example, ORACLE_HOME is the location where Oracle SOA Suite is installed.

8. Click Next.
   The Summary screen is displayed.

9. Review specific details on the Summary screen, including the disk requirements to ensure that you have sufficient disk space, and click Next to begin the installation.
   A Status screen is displayed.

   After the installation is complete, the following installation confirmation screen is displayed.
10. Click Finish.
The Oracle Application Adapters for Oracle WebLogic Server are now installed on
your system in the following directory:
C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters
In addition, the following Windows Program Menu listing is created:

Running the Installation Program From a Command Line (All Platforms)
If you want the installation program to use a JDK version in a specific path, you can
invoke the installer by performing the following steps:
1. Navigate to the command prompt for your system.
2. Enter the following command:
iwora11g.application-adapters.win32.exe -is:javahome c:\myfolder\jdk1.6
In this example, the installation program is executed using JDK version 1.6.

2.2 Installing Oracle Application Adapters 11g Release 1 (11.1.1) on UNIX
and Linux
To install Oracle Application Adapters on a UNIX or Linux platform, you can invoke
the installer by performing the following steps:
1. Navigate to the command prompt for your UNIX or Linux platform.
2. Depending on your UNIX or Linux platform, enter the following command:
   For IBM AIX:
   $./iwora11g.application-adapters.aix.bin
For HP-UX:

$./iwora11g.application-adapters.hp.bin

For Linux:

$./iwora11g.application-adapters.linux.bin

For Solaris:

$./iwora11g.application-adapters.solaris.bin

After the executable file is invoked, the remaining installation steps for the UNIX and Linux platform are similar to those for the Windows platform.

2.3 Configuring Oracle WebLogic Server Adapter Application Explorer

Before you can use Application Explorer to generate WSDL files, you must create a repository where your configuration details are stored. Each implementation requires you to configure a specific repository before you can explore Enterprise Information System (EIS) metadata. The information in the repository is also referenced at runtime.

Business Services Engine (BSE) generates Web services based on enterprise assets that are accessible from adapters regardless of the programming language or the particular operating system being used. In addition, you can use BSE as a standalone Java application running in Oracle WebLogic Server.

The J2CA runs in J2EE Connector Architecture compliant application servers and uses the Common Client Interface (CCI) to provide integration services using Oracle Application Adapters for Oracle WebLogic Server. After you deploy the connector, you can access the adapters.

2.3.1 Creating a Configuration for Oracle WebLogic Server Adapter Business Services Engine

To create a configuration for Oracle WebLogic Server Adapter Business Services Engine (BSE) using Application Explorer, you must first define a new configuration. This is a prerequisite for deploying BSE as a Web application in Oracle WebLogic Server.

Defining a New Configuration for BSE

To define a new configuration for BSE:

1. Start Application Explorer by clicking the Windows Start menu, selecting All Programs, Oracle Application Adapters, and clicking Application Explorer.

You can also start Application Explorer by executing the ae.bat file, which is located in the following directory:

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\tools\iwae\bin\ae.bat
It is a good practice to create a shortcut for the `ae.bat` file on your desktop.

If you are using a UNIX or Linux platform you can start Application Explorer by executing the `iwae.sh` file.

---

**Note:** Before you execute the `iwae.sh` file on UNIX or Linux platforms, the permissions must be changed. For example:

```
chmod +x iwae.sh
```

---

2. Right-click **Configurations** and select **New**.

![Image of Application Explorer with New Configuration option highlighted]

The New Configuration dialog is displayed.

3. Enter a name for the new configuration, for example, `BSE_SampleConfig`, and click **OK**.

   Please note that the name of the BSE configuration that is specified here is used during the BSE deployment process.

![Image of New Configuration dialog with BSE_SampleConfig configuration created]

4. From the **Service Provider** list, select **iBSE**.

5. In the **iBSE URL** field, accept the default URL or replace it with a different URL with the following format:

   `http://host name:port/ibse/IBSEServlet`
Where *host* *name* is the system on which Oracle WebLogic Server resides and *port* is the HTTP port number where Oracle WebLogic Server is listening.

6. Click OK.

A node representing the new configuration appears beneath the root Configurations node.

### 2.3.2 Creating a Configuration for Oracle WebLogic Server Adapter J2EE Connector Architecture

To create a configuration for Oracle WebLogic Server Adapter J2EE Connector Architecture (J2CA) using Application Explorer, you must first define a new configuration. This is a prerequisite for deploying J2CA as a Web application in Oracle WebLogic Server.

**Defining a New Configuration for J2CA**

To define a new configuration for J2CA:

1. Start Application Explorer by clicking the Windows **Start** menu, selecting **All Programs**, **Oracle Application Adapters**, and clicking **Application Explorer**.

You can also start Application Explorer by executing the **ae.bat** file, which is located in the following directory:

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\tools\iwae\bin\ae.bat

It is a good practice to create a shortcut for the **ae.bat** file on your desktop.

If you are using a UNIX or Linux platform you can start Application Explorer by executing the **iwae.sh** file.

**Note:** Before you execute the **iwae.sh** file on UNIX or Linux platforms, the permissions must be changed. For example:

```
chmod +x iwae.sh
```

2. Right-click **Configurations** and select **New**.
The New Configuration dialog is displayed.

3. Enter a name for the new configuration, for example, J2CA_SampleConfig, and click OK.
   Please note that the name of the J2CA configuration that is specified here is used during the J2CA deployment process.

4. From the Service Provider list, select JCA.
5. In the Home field, enter a path to your J2CA configuration directory where the repository, schemas, and other information is stored, for example:
   C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters
6. Click OK.
   A node representing the new configuration appears beneath the root Configurations node.

2.4 Configuring and Deploying J2CA

This section describes how to configure settings for the J2CA Connector Application and J2CA Installation Verification Program (IVP). After the appropriate settings are configured according to your requirements, you must first deploy the J2CA Connector Application for use with Oracle WebLogic Server using the Oracle WebLogic Server Administration Console. After the J2CA Connector Application is deployed successfully, you can configure and deploy the J2CA Installation Verification Program (IVP).

Configuring Settings for the J2CA Connector Application
To configure settings for the J2CA Connector Application:

1. Locate the ra.xml file, which is located in the following directory:
2. Open the ra.xml file in an editor.

3. Enter a value for the IWayHome property.
   This is the folder where the adapters are installed. For example:
   ```
   <config-property>
     <config-property-name>IWayHome</config-property-name>
     <config-property-type>java.lang.String</config-property-type>
     <config-property-value>C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters</config-property-value>
   </config-property>
   ```

4. Enter a value for the IWayConfig property.
   This is the value that you specified when you created a new J2CA configuration using Application Explorer. For example:
   ```
   <config-property>
     <config-property-name>IWayConfig</config-property-name>
     <config-property-type>java.lang.String</config-property-type>
     <config-property-value>J2CA_SampleConfig</config-property-value>
   </config-property>
   ```

5. Save the ra.xml file and exit the editor.

### Configuring Log File Management for the J2CA Connector Application

Log file management for the J2CA Connector Application is governed by the configuration of the ra.xml file. The properties such as LogLevel, LogSize, and LogCount are the actual parameters that must be configured.

For example:

```
<config-property>
  <config-property-name>LogLevel</config-property-name>
  <config-property-type>java.lang.String</config-property-type>
  <config-property-value>DEBUG</config-property-value>
</config-property>

<config-property>
  <config-property-name>LogSize</config-property-name>
  <config-property-type>java.lang.Integer</config-property-type>
  <config-property-value>100000</config-property-value>
</config-property>

<config-property>
  <config-property-name>LogCount</config-property-name>
  <config-property-type>java.lang.Integer</config-property-type>
  <config-property-value>10</config-property-value>
</config-property>
```

LogLevel specifies the level of the log to be shown in the log files. Valid values for LogLevel include DEBUG, INFO, ERROR, FATAL, and WARN. For development and test environments, DEBUG is the preferred log level, which displays all of the log details. For production environments, ERROR is the preferred log level.

LogSize is the parameter that controls the size of the log files. The size should be mentioned in bytes.

LogCount is the parameter that controls the number of log files that are required. The value for this parameter must be specified as an integer. The number of log files that
are generated do not exceed the number that is specified and a rollover of the log occurs only within the files that have been generated.

The log files would be created under the ORACLE_HOME\soa\thirdparty\ApplicationAdapters\config\xxxxxxxx\log folder. Note that xxxxxxxx is the name of the J2CA configuration that you created in Application Explorer. Each J2CA configuration in Application Explorer has a corresponding log folder under the named J2CA configuration folder.

Regardless of inbound or outbound processing, all log information is stored in a file that uses the iwafjcaxxxx.log naming convention. Outbound process logs are updated in the format iwafjca00.log (for example, iwafjca00.log). Inbound process logs are updated in the format iwafjca15xx.log (for example, iwafjca1500.log).

When an outbound process is executed, all the current logs are updated in the iwafjca00.log file. After this file reaches its maximum log file size, the file is saved as iwafjca10.log and iwafjca00.log continues to log new activity. If iwafjca00.log reaches its maximum log file size for a second time, then this file is saved as iwafjca10.log and the previous log file (iwafjca10.log) is now saved as iwafjca20.log.

All new log files are created in this manner based on the value specified for the LogCount parameter in the ra.xml file. After the log files reaches the maximum log file size (LogSize) and number of log files (LogCount), then the logs are overwritten on the log file that was created first. For example, if you set LogSize to 100000 and LogCount to 5, then five separate files with a maximum size of 100000 are created initially as iwafjca00.log, iwafjca10.log, iwafjca20.log, iwafjca30.log, and iwafjca40.log. When the iwafjca00.log file reaches its maximum size, then the contents of the iwafjca00.log file would be replaced with iwafjca30.log and subsequent replacement with the other log files also occurs. This same behavior is followed with J2CA log file management for inbound processing.

**Deploying the J2CA Connector Application Using the Oracle WebLogic Server Administration Console**

To deploy the J2CA Connector Application:

1. Start the Oracle WebLogic Server for the Oracle WebLogic Server domain that you have configured.
2. Open the Oracle WebLogic Server Administration Console in a Web browser by entering the following URL:

   http://host name:port/console

   Where host name is the name of the system where Oracle WebLogic Server is running and port is the port for the Oracle WebLogic Server that is running. The default port for the Oracle WebLogic Server is 7001. However, this value can vary between installations.

   The Oracle WebLogic Server Administration Console logon page is displayed.
3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

The Oracle WebLogic Server Administration Console home page is displayed.

4. In the Domain Structure section in the left pane, click **Deployments**

   The Deployments page is displayed.

   **Deployments**

   - **Name**: Resource Adapter
     - **State**: New
     - **Type**: Resource Adapter
     - **Deployment Order**: 304
   - **Name**: EJB
     - **State**: New
     - **Type**: Enterprise Application
     - **Deployment Order**: 313

5. Click **Install**.

   The Install Application Assistant page is displayed.
6. Browse to the following directory:

   C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.rar

7. Select the option next to iwafjca.rar and click Next.

   The Choose Targeting Style page is displayed.

8. Leave the default **Install this deployment as an application** selected and click Next.

   The Select Deployment Target page is displayed.
9. Select `soa_server1` and click **Next**.

The Optional Settings page is displayed.

10. Click **Next** again leaving the default values.

The Summary page is displayed.
11. Click Finish.

The Settings page for the J2CA (iwafjca) Connector Application opens.

12. Click Save.

The following message is displayed, which indicate a successful deployment.

Messages

✔ Settings updated successfully.

13. In the Domain Structure section in the left pane, click Deployments.

14. Navigate through the table that lists all the deployed applications until you find the J2CA (iwafjca) Connector Application.
Configuring and Deploying J2CA

Installation and Configuration

15. Select the check box next to iwafjca.

16. Click the Start submenu (down arrow) and select Servicing all requests.

The Start Application Assistant page is displayed.

17. Click Yes to start the selected deployment.

You are now ready to deploy the J2CA Installation Verification Program (IVP).

Deploying the J2CA Installation Verification Program (IVP) Using the Oracle WebLogic Server Administration Console

The J2CA Installation Verification Program (IVP) must be deployed and started after the J2CA Connector Application. It is better to have the deployment order also changed when deploying the J2CA IVP. For example, if the J2CA Connector Application has a deployment order of 100, then the J2CA IVP can have a deployment order of 101.

To deploy the J2CA IVP:

1. Start the Oracle WebLogic Server for the Oracle WebLogic Server domain that you have configured.

2. Open the Oracle WebLogic Server Administration Console in a Web browser by entering the following URL:
http://\texttt{host\ name:port/console}

Where \texttt{host\ name} is the name of the system where Oracle WebLogic Server is running and \texttt{port} is the port for the Oracle WebLogic Server that is running. The default port for the Oracle WebLogic Server is 7001. However, this value can vary between installations.

The Oracle WebLogic Server Administration Console logon page is displayed.

3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

The Oracle WebLogic Server Administration Console home page is displayed.

4. In the Domain Structure section in the left pane, click \texttt{Deployments}.

The Deployments page is displayed.

5. Click \texttt{Install}.
The Install Application Assistant page is displayed.

6. Browse to the following directory:
   C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.war

7. Select the option next to iwafjca.war and click Next.
   The Choose Targeting Style page is displayed.

8. Leave the default Install this deployment as an application selected and click Next.
   The Select Deployment Target page is displayed.
9. Select `soa_server1` and click Next.

   The Optional Settings page is displayed.

   ![Optional Settings page](image)

10. In the Name field, enter the following:

    `iwafjcastest`

11. Click Next and leave the remaining default values unchanged.

   The Summary page is displayed.
12. Click Finish.

The Settings page for the J2CA Installation Verification Program (IVP) opens.

13. Click Save.

The following message is displayed, which indicate a successful deployment.

Messages

✓ Settings updated successfully.

14. In the Domain Structure section in the left pane, click Deployments.

15. Navigate through the table that lists all the deployed applications until you find the J2CA (iwafjcatest) Installation Verification Program (IVP).
16. Select the check box next to iwafjcatest.

17. Click the Start submenu (down arrow) and select Servicing all requests.

   The Start Application Assistant page is displayed.

18. Click Yes to start the selected deployment.

   The J2CA (iwafjcatest) Installation Verification Program (IVP) has been deployed successfully to Oracle WebLogic Server.

   After the adapter targets are created using Application Explorer, you can select these targets and test outbound connections from the Oracle J2CA Test Servlet. Please note that Oracle WebLogic Server must be restarted after adapter targets are created using Application Explorer.

2.4.1 Connecting to a J2CA Configuration Using Application Explorer

To connect to a new J2CA configuration:

1. Right-click the configuration to which you want to connect, for example, J2CA_SampleConfig.

2. Select Connect.
Nodes appear for Adapters and Events. Please note that you can configure events using a J2CA configuration only.

The following is an example of a J2CA configuration named J2CA_SampleConfig:

- Use the **Adapters** folder to create inbound interaction with an adapter, for example, Siebel. For example, you can use the Siebel node in the Adapters folder to configure a service that updates a Siebel system.
- Use the **Events** folder to configure listeners that listen for events in Siebel.

After completing the postinstallation tasks, you can define new targets for Oracle Application Adapters. For more information about configuring targets, see the corresponding user guide for your adapter.

### 2.5 Configuring and Deploying Business Services Engine

This section describes how to configure settings for Oracle WebLogic Server Adapter Business Services Engine (BSE). After the appropriate settings are configured according to your requirements, you must deploy BSE for use with Oracle WebLogic Server using the Oracle WebLogic Server Administration Console.

**Configuring Settings for Oracle WebLogic Server Adapter Business Services Engine (BSE)**

To configure settings for BSE:

1. Locate the `web.xml` file, which is located in the following directory:
   
   `C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\ibse.war\WEB-INF\web.xml`

2. Open the `web.xml` file in an editor.

3. Enter a value for the `ibseroot` parameter.
   
   This is the folder where the BSE files are stored in subdirectories for each adapter. For example:
   
   ```
   <context-param>
     <param-name>ibseroot</param-name>
     <param-value>C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\ibse.war</param-value>
     <description>ibse root directory</description>
   </context-param>
   ```

4. Enter a value for the `iway.home` parameter.
   
   This is the folder where adapters are installed. For example:
   
   ```
   <context-param>
     <param-name>iway.home</param-name>
     <param-value>C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters</param-value>
     <description>license file location</description>
   </context-param>
   ```

5. Enter a value for the `iway.config` parameter.
This is the value that you specified when you created a new BSE configuration using Application Explorer. For example:

```xml
<context-param>
  <param-name>iway.config</param-name>
  <param-value>BSE_SampleConfig</param-value>
  <description>Base Configuration</description>
</context-param>
```

6. Save the `web.xml` file and exit the editor.

**Deploying Oracle WebLogic Server Adapter Business Services Engine (BSE) Using the Oracle WebLogic Server Administration Console**

To deploy BSE:

1. Start the Oracle WebLogic Server for the Oracle WebLogic Server domain that you have configured.

2. Open the Oracle WebLogic Server Administration Console in a Web browser by entering the following URL:

   ```
   http://host name:port/console
   ```

   Where `host name` is the name of the system where Oracle WebLogic Server is running and `port` is the port for the SOA Server that is running. The default port for the SOA Server is 8001. However, this value can vary between installations.

   The Oracle WebLogic Server Administration Console logon page is displayed.

3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

   The Oracle WebLogic Server Administration Console home page is displayed.
4. In the Domain Structure section in the left pane, click **Deployments**.
   
   The Deployments page is displayed.

   ![Deployments](image)

   **Deployments**

<table>
<thead>
<tr>
<th>Name</th>
<th>State</th>
<th>Type</th>
<th>Deployment Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>AppAdapter</td>
<td>Next</td>
<td>Resource Adapter</td>
<td>324</td>
</tr>
<tr>
<td>bizful</td>
<td>Next</td>
<td>Enterprise Application</td>
<td>313</td>
</tr>
</tbody>
</table>

5. Click **Install**.
   
   The Install Application Assistant page is displayed.

   ![Install Application Assistant](image)

   **Install Application Assistant**

6. Browse to the following directory:
7. Select the option next to **ibse.war** and click **Next**.
The Choose Targeting Style page is displayed.

![Choose Targeting Style](image)

8. Leave the default **Install this deployment as an application** selected and click **Next**.
The Deployment Target page is displayed.

![Deployment Target](image)

9. Select **soa_server1** and click **Next**.
The Optional Settings page is displayed.
10. Click **Next** and leave the remaining default values unchanged.

The Summary page is displayed.

11. Click **Finish**.

The Settings page for the BSE (ibse) Application opens.
12. Click **Save**.

The following messages are displayed, which indicate a successful deployment.

**Messages**

- **Settings updated successfully.**

13. In the Domain Structure section in the left pane, click **Deployments**.

14. Navigate through the table that lists all the deployed applications until you find the BSE (ibse) Application.

15. Select the check box next to **ibse**.

16. Click the **Start** submenu (down arrow) and select **Servicing all requests**.
The Start Application Assistant page is displayed.

17. Click Yes to start the selected deployment.

The BSE (ibse) Application has been deployed successfully to Oracle WebLogic Server.

### 2.5.1 Connecting to a BSE Configuration Using Application Explorer

To connect to a new BSE configuration:

1. Right-click the configuration to which you want to connect, for example, **BSE_SampleConfig**.

2. Select Connect.

Nodes appear for Adapters, Events, and Business Services (also known as Web services). The Business Services node is only available for BSE configurations.

Events are not applicable when using a BSE configuration. You can configure events using a J2CA configuration only. As a result, you can disregard the Events node that appears for a BSE configuration.

The following is an example of a BSE configuration named BSE_SampleConfig:

- Use the Adapters folder to create inbound interaction with an adapter, for example, Siebel. For example, you can use the Siebel node in the Adapters folder to configure a service that updates Siebel.

- Do not use the Events folder with a BSE configuration, since events are not supported with BSE. To configure events, you must use a J2CA configuration.

- Use the Business Services folder (available for BSE configurations only) to test Web services created in the Adapters folder. You can also control security settings for the Web services by using the security features of the Business Services folder.

After completing the postinstallation tasks, you can define new targets for Oracle Application Adapters. For more information about configuring targets, see the corresponding user guide for your adapter.

### 2.6 Postinstallation Tasks

Perform the following postinstallation configuration tasks for packaged-application adapters:
2.6.1 Copying the Library Files

Packaged-application adapters require you to copy library files to directories.

1. Copy the library files for these adapters into the following directory:
   
   ```
   C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\lib
   ```

2. Copy the library files into the lib directory for your domain. For example:
   
   ```
   C:\oracle\Middleware\home_0309\user_projects\domains\base_domain\lib
   ```

Note: The directory paths mentioned in this guide follow Windows conventions. For example, back slashes (\) are used.

If you are using an Oracle WebLogic Server Application Adapter on UNIX, then modify the directory paths as required.
<table>
<thead>
<tr>
<th>Adapter</th>
<th>Library Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Application Adapter for J.D. Edwards OneWorld</td>
<td>J.D. Edwards OneWorld Java-based ThinNet API</td>
</tr>
</tbody>
</table>

This API is distributed as .jar files on the J.D. Edwards OneWorld installation media. These libraries can vary based on the J.D. Edwards OneWorld release.

On the J.D. Edwards OneWorld system, these library files are located in the following folder:

```
\system\classes
```

For XE (B7333):
- Connector.jar
- Kernel.jar

For ERP 8.0 (B7334):
- Connector.jar
- Kernel.jar

For EnterpriseOne 8.9 (B9):
- Connector.jar
- Kernel.jar
- jdeutil.jar
- log4j.jar

For EnterpriseOne 8.10:
- Connector.jar
- Kernel.jar
- jdeutil.jar
- log4j.jar

For EnterpriseOne 8.11 (SP1 and Tools Release 8.95):
- Base_JAR.jar
- Connector.jar
- JdeNet_JAR.jar
- log4j.jar
- System_JAR.jar

For EnterpriseOne 8.12 (Tools Release 8.96.2.0):
- Connector.jar
- log4j.jar
- Base_JAR.jar
- EventProcesser_EJB.jar
- EventProcesser_JAR.jar
- JdeNet_JAR.jar
- System_JAR.jar

For EnterpriseOne 9.0 (Tools Release 8.98.1.3):
- Connector.jar
- log4j.jar
- Base_JAR.jar
- EventProcesser_EJB.jar
- EventProcesser_JAR.jar
- JdeNet_JAR.jar
- System_JAR.jar
- commons-httpclient-3.0.jar
- jmxri.jar
- ManagementAgent_JAR.jar
### Adapter Library Files

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Library Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Application Adapter for PeopleSoft</td>
<td>PeopleSoft Java Object Adapter file (<em>psjoa.jar</em>)</td>
</tr>
<tr>
<td></td>
<td>This file provides a low-level interface between client applications and PeopleSoft. This file is provided with PeopleSoft in the PeopleSoft home directory/web/PSJOA directory.</td>
</tr>
<tr>
<td></td>
<td>The <em>psjoa.jar</em> file is different for every version of PeopleSoft. You should ensure that you copy the <em>psjoa.jar</em> file for the new release into the lib directory and restart all components.</td>
</tr>
<tr>
<td></td>
<td><strong>pstudios.properties</strong></td>
</tr>
<tr>
<td></td>
<td>This file is required for PeopleTools 8.1x. This file belongs in the PeopleSoft home directory/web/jmac directory.</td>
</tr>
<tr>
<td></td>
<td>The .jar file for the PeopleSoft Generated JAVA APIs must also be copied to the following directory:</td>
</tr>
<tr>
<td></td>
<td><code>ORACLE_HOME\soa\thirdparty\ApplicationAdapters\lib</code></td>
</tr>
</tbody>
</table>

Refer to Oracle Application Server Adapter for PeopleSoft User’s Guide for any additional steps required for PeopleSoft.
Oracle Application Adapter for SAP R/3

For Oracle 11g Release 1 (11.1.1) release, the Oracle Application Adapter for SAP R/3 supports the SAP Java Connector (SAP JCo) Version 2.1.8 and 2.1.9, which is typically named sapjco.jar.

Information on the current set of SAP connectors is available at http://service.sap.com/connectors.

A valid SAP service ID is required to access this file. Follow the instructions provided on the SAP JCo overview page to download the current version. For more information, contact your SAP BASIS Administrator.

Using the archive tool, open the archive containing the SAP JCo and extract the run-time files. The file names can vary by operating system, but typically are contained in the root of the archive.

**Note: All operating systems:** You must place the sapjco.jar file in the C:\oracle\Middleware\home_0309\user_projects\domains\base_domain\lib directory. Then, you must add the sapjco.jar to the Oracle Application Server classpath.

On Windows, librfc32.dll should be placed in the %WINDIR%\system32 directory and sapjcorfc.dll should be placed in the same directory as sapjco.jar. On other platforms, use the corresponding location. These library files vary by operating system. For example:

- **Linux/Solaris/OS400:**
  - libsapjcorfc.so
  - librfccm.so
- **HP-UX:**
  - librfccm.sl
  - libsapjcorfc.sl
- **AIX:**
  - librfccm.so
  - libsapjcorfc.so

On UNIX platforms, the directory in which the shared library files are located must be added to the shared library variable applicable to the operating system. The following is a list of platforms and associated variables:

- **AIX:**
  - LIBPATH
- **HP-UX:**
  - SHLIB_PATH
- **Other UNIX Platforms**
  - LD_LIBRARY_PATH
- **Solaris:** The following are the two supported methods for specifying the SAP library files:
  - Copy the SAP JCo files (sapjco.jar, librfccm.so, and libsapjcorfc.so) to jdk/jre/lib/sparc/server
  - Copy the SAP JCo files to /usr/j2sdk1.4.2_09/jre/lib/sparcv9/server

Alternatively, you may add the path to these files to your environment variable definition using the Application Server Control console. For details on application server administration options, see Oracle Application Server Administrator's Guide.

Refer to Oracle Application Server Adapter for SAP User's Guide for any additional steps required for SAP R/3.
### 2.6.2 Directory Structure

The packaged application adapters are installed into the `ApplicationAdapters` subdirectory of your Oracle WebLogic Server home directory. Table 2–1 shows the directory structure.

<table>
<thead>
<tr>
<th>Subdirectory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>_uninst</td>
<td>Contains the uninstallation files</td>
</tr>
<tr>
<td>config</td>
<td>Contains the <code>J2CA_SampleConfig</code> subdirectory and the XML-file-based repository for Oracle WebLogic Server Adapter J2CA. In addition, the <code>config</code> subdirectory also contains a folder named <code>log</code>, which stores the generated log files.</td>
</tr>
<tr>
<td>etc</td>
<td>Contains the application, doc, jde, licenses, peoplesoft folders and the <code>iwse.ora</code> file.</td>
</tr>
<tr>
<td>ibse.war</td>
<td>Contains the BSE application and repository configuration</td>
</tr>
</tbody>
</table>

---

Oracle Application Adapter for Siebel

For Siebel 6.3.x and later, the Siebel Java Data Bean API, which is distributed as `.jar` files with the Siebel Thin Client. These libraries vary by Siebel release in both content and name. Therefore, the Siebel Thin Client that comes with the target Siebel system must always be used with the adapter. For example:

On the Siebel system, these library files are located in the following folder:

```
<siebel home>\siebsrvr\CLASSES
```

For Siebel 6.3.x:

- `SiebelTcCOM.jar`
- `SiebelTcCommon.jar`
- `SiebelTC_enu.jar`
- `SiebelDataBean.jar`

For Siebel 7.0.3:

- `SiebelJI_Common.jar`
- `SiebelJI_enu.jar`

For Siebel 7.5.2:

- `SiebelJI_Common.jar`
- `SiebelJI_enu.jar`
- `SiebelJI.jar`

For Siebel 7.7 - 8.0:

- `SiebelJI_enu.jar`
- `Siebel.jar`

The Siebel COM-based API (Windows only) requires the Siebel Thin Client to be installed and accessible to the Siebel adapter.

**Note:** The following previously listed files are for English language installations:

- `SiebelTC_enu.jar`
- `SiebelJI_enu.jar`

For non-English installations, the last three letters (`_enu`) vary.

If you are using the MQ Series as a transport, then you must use `com.ibm.mq.jar` file.

Refer to Oracle Application Server Adapter for Siebel User's Guide for any additional steps required for Siebel.
2.6.3 Starting Application Explorer

Start Application Explorer by clicking the Windows Start menu, selecting All Programs, Oracle Application Adapters, and clicking Application Explorer.

You can also start Application Explorer by executing the ae.bat file, which is located in the following directory:

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\tools\iwae\bin\ae.bat

It is a good practice to create a shortcut for the ae.bat file on your desktop.

If you are using a UNIX or Linux platform you can start Application Explorer by executing the iwae.sh file.

Note: Before you execute the iwae.sh file on UNIX or Linux platforms, the permissions must be changed. For example:

chmod +x iwae.sh

2.6.4 Configuring the Database Repository for J2CA

A repository holds information about configuration details, adapter targets, channels and other configuration information. When the adapters are installed, by default, they are installed with a file repository. File repositories are not supported on development, test, or production environments. Users are advised to configure the database repository immediately after the installation.

1. Execute the iwse.ora SQL script on the system where the database is installed.

Note: When the iwse.ora script is executed for the first time, database repositories are automatically created for BSE and J2CA configurations. As a result, it is not required to execute the iwse.ora script twice for each configuration type. If the script is executed multiple times, the BSE and J2CA repositories are re-created and any values that were stored in the original database repositories are deleted.

The iwse.ora SQL script is located in the following directory:
Postinstallation Tasks

C:\oracle\Middleware\home_0309\Oracle
SOA1\soa\thirdparty\ApplicationAdapters\etc

This script creates the required tables that are used to store the adapter configuration information in the database. These tables are used by Application Explorer and by adapters during design time and run time. It is recommended that you use the same credentials to create the database repository and also in the ra.xml file for database user credentials.

C:\oracle\Middleware\home_0309\Oracle
SOA1\soa\thirdparty\ApplicationAdapters\etc>sqlplus

SQL*Plus: Release 11.1.1 - Production
Copyright (c) 1982, 2004, Oracle. All rights reserved.

Enter user-name: system
Enter password: system1

Connected to:
Oracle Database 11g Enterprise Edition Release 11.1.1 - Production
With the Partitioning, OLAP and Data Mining options

SQL>@ iwse.ora

2. Create the jcatransport.properties file and save it in the following directory:

C:\oracle\Middleware\home_0309\Oracle
SOA1\soa\thirdparty\ApplicationAdapters\config\J2CA_SampleConfig

---

Note: The jcatransport.properties file is required for each J2CA configuration that is created using Application Explorer. The J2CA configuration folder, for example, J2CA_SampleConfig, is named according to the configuration name that is specified in Application Explorer.

---

3. Enter values for iwafjca.repo.url, iwafjca.repo.user and iwafjca.repo.password fields in the newly created jcatransport.properties file, as shown in the following example:

iwafjca.repo.url=jdbc:oracle:thin:@90.0.0.51:1521:orcl
iwafjca.repo.user=scott
iwafjca.repo.password=scott1

4. Copy the ojdbc14.jar file to the following directory:

C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\lib

The ojdbc14.jar file can be found in the following directory:

C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\edifecs\XEngine\extensions\Selector\lib\thirdParties\JDBC\ojdbc14.jar

5. Navigate to the following directory:

C:\oracle\Middleware\home_0309\Oracle
SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.rar\META-INF
6. Open the ra.xml file in a text editor.
7. Provide the JDBC connection information as a value for the IWAYRepo_URL property.
8. Provide a valid user name for the IWAYRepo_User property.
9. Provide a valid password for the IWAYRepo_Password property.
10. Save your changes to the ra.xml file.

2.6.5 Configuring the Database Repository for BSE

A repository holds information about configuration details, adapter targets, channels and other configuration information. When the adapters are installed, by default, they are installed with a file repository. File repositories are not supported on development, test, or production environments. Users are advised to configure the database repository immediately after the installation.

1. Execute the iwse.ora SQL script on the system where the database is installed.

```
Note: When the iwse.ora script is executed for the first time, database repositories are automatically created for BSE and J2CA configurations. As a result, it is not required to be execute the iwse.ora script twice for each configuration type. If the script is executed multiple times, the BSE and J2CA repositories are re-created and any values that were stored in the original database repositories are deleted.
```

The iwse.ora SQL script is located in the following directory:

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\etc

This script creates the required tables that are used to store the adapter configuration information in the database. These tables are used by Application Explorer and by adapters during design time and run time. It is recommended that you use the same credentials to create the database repository and also in the web.xml file for database user credentials.

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\etc>sqlplus

```
SQL*Plus: Release 11.1.1 - Production
Copyright (c) 1982, 2004, Oracle. All rights reserved.

Enter user-name: system
Enter password: system1

Connected to:
Oracle Database 11g Enterprise Edition Release 11.1.1 - Production
With the Partitioning, OLAP and Data Mining options

SQL> @ iwse.ora
```

2. Copy the ojdbc14.jar file to the following directory:

C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\lib

The ojdbc14.jar file can be found in the following directory:
C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\edifecs\XEngine\extensions\Selector\lib\thirdParties\JDBC\jdbc14.jar

3. Display the BSE configuration page in a browser:

http://host_name:port/ibse/IBSEConfig

Where host_name is the system where BSE is installed and port is the port number on which BSE is listening.

Note: The server to which BSE is deployed must be running.

The BSE settings pane is displayed, as shown in the following figure.

<table>
<thead>
<tr>
<th>Property Name</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System</strong></td>
<td></td>
</tr>
<tr>
<td>Language</td>
<td>English</td>
</tr>
<tr>
<td>Adapter Lib Directory</td>
<td>../base_domainlib</td>
</tr>
<tr>
<td>Encoding</td>
<td>UTF-8</td>
</tr>
<tr>
<td>Debug Level</td>
<td>DEBUG</td>
</tr>
<tr>
<td>Number of Async. Processors</td>
<td>0</td>
</tr>
</tbody>
</table>

4. Configure the system settings.

The following table lists the parameters with descriptions of the information to provide.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>Specify the required language.</td>
</tr>
<tr>
<td>Adapter Lib Directory</td>
<td>Enter the full path to the directory where the adapter jar files reside.</td>
</tr>
<tr>
<td>Encoding</td>
<td>Only UTF-8 is supported.</td>
</tr>
<tr>
<td>Debug Level</td>
<td>Specify the debug level from the following options:</td>
</tr>
<tr>
<td>Number of Async. Processors</td>
<td>Select the number of asynchronous processors.</td>
</tr>
<tr>
<td></td>
<td>- None</td>
</tr>
<tr>
<td></td>
<td>- Fatal</td>
</tr>
<tr>
<td></td>
<td>- Error</td>
</tr>
<tr>
<td></td>
<td>- Warning</td>
</tr>
<tr>
<td></td>
<td>- Info</td>
</tr>
<tr>
<td></td>
<td>- Debug</td>
</tr>
</tbody>
</table>

5. Configure the repository settings.
The following image shows all fields and check boxes for the Repository pane.

### Repository

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repository Type</td>
<td>Select the following repositories from the list:</td>
</tr>
<tr>
<td></td>
<td>• Oracle</td>
</tr>
<tr>
<td></td>
<td>• File (Do not use for BSE in production environments.)</td>
</tr>
<tr>
<td>Repository URL</td>
<td>Enter the URL to use when opening a connection to the database. For example, the following repository URL format is used when connecting to Oracle: jdbc:oracle:thin:@host name:port;SID</td>
</tr>
<tr>
<td>Repository Driver</td>
<td>Provide the driver class to use when opening a connection to the database (optional). For example, the following repository driver format is used when connecting to Oracle: oracle.jdbc.driver.OracleDriver</td>
</tr>
<tr>
<td>Repository User</td>
<td>Enter a valid user ID to use when opening a connection to the database.</td>
</tr>
<tr>
<td>Repository Password</td>
<td>Enter a valid password that is associated with the user ID.</td>
</tr>
<tr>
<td>Repository Pooling</td>
<td>If selected, repository pooling is used. This option is disabled by default.</td>
</tr>
</tbody>
</table>

6. Configure the repository settings.

BSE requires a repository to store transactions and metadata required for the delivery of Web services.

The following table lists the parameters with descriptions of the information to provide.

7. Click Save.

### 2.7 Uninstalling Oracle Application Adapters 11g Release 1 (11.1.1)

To uninstall Oracle Application Adapters for Oracle WebLogic Server on a Windows platform, perform the following steps:
1. Undeploy the Oracle WebLogic Server Adapter J2EE Connector Architecture (J2CA) and J2CA Installation Verification Program (IVP) using the Oracle WebLogic Server Administration Console.

2. Undeploy Oracle WebLogic Server Adapter Business Services Engine (BSE) using the Oracle WebLogic Server Administration Console.

3. Stop the Oracle WebLogic Server.

4. Navigate to the following directory:
   
   `C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\uninst`

5. Double-click the `uninstaller.exe` file.

   The Application Adapters for Oracle WebLogic Server Uninstallation Welcome screen is displayed.

6. Click `Next`.

   The Summary screen opens, which indicates the path to the Oracle Application Adapters for Oracle WebLogic Server.

7. Click `Next`.

   The Oracle Application Adapters for Oracle WebLogic Server are uninstalled.

8. Click `Finish`.

To uninstall Oracle Application Adapters for Oracle WebLogic Server on UNIX and Linux platforms, perform the following steps:

1. Undeploy the J2CA Connector Application and J2CA Installation Verification Program (IVP) using the Oracle WebLogic Server Administration Console.

2. Undeploy Business Services Engine (BSE) using the Oracle WebLogic Server Administration Console.

3. Stop the Oracle WebLogic Server.

4. Navigate to the following directory:

   `/oracle/Middleware/home_0309/Oracle_SOA1/soa/thirdparty/ApplicationAdapters/_uninst`

5. Enter the following command at the prompt to begin the uninstallation process:

   `./uninstaller.bin -is:javahome <java_home>`

   The Application Adapters for Oracle WebLogic Server Uninstallation Welcome screen is displayed.

6. Click `Next`.

   The Summary screen opens, which indicates the path to the Oracle Application Adapters for Oracle WebLogic Server.

7. Click `Next`.

   The Oracle Application Adapters for Oracle WebLogic Server are uninstalled.

8. Click `Finish`. 
This appendix describes how to configure Oracle Application Adapter for PeopleSoft by:

- Specifying the version of PeopleSoft you are using. For more information, see Specifying the PeopleSoft Version.
- Installing the Component Interfaces of the adapter. For more information, see Installing the Adapter Component Interfaces.
- Installing the TCP/IP and HTTP message router adapter. For more information, see Installing the TCP/IP and HTTP Message Router for Oracle Application Adapter for PeopleSoft.

### A.1 Specifying the PeopleSoft Version

Oracle Application Adapter for PeopleSoft supports multiple versions of PeopleSoft. However, certain versions are incompatible with each other, and the adapter must recognize the version you are using.

After installation, the iwpsci84.jar file for PeopleTools 8.4x releases are available in the default location. For example:

```
C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\lib
```

The iwpsci81.jar file for PeopleTools 8.1x releases are available under the following directory:

```
C:\oracle\Middleware\home_0309\Oracle_SOAI\soa\thirdparty\ApplicationAdapters\etc\peoplesoft
```

Use the corresponding location on non-Windows systems.

To ensure that the adapter functions properly, use the file that corresponds to your release:

- For PeopleSoft 8.4x releases, use iwpsci84.jar.
- For PeopleSoft 8.1x releases, remove iwpsci84.jar and copy iwpsci81.jar from C:\oracle\Middleware\home_0309\Oracle_SOAI\soa\thirdparty\ApplicationAdapters\etc\peoplesoft to the following locations:
  1. C:\oracle\Middleware\home_GA\Oracle_SOAI\soa\thirdparty\ApplicationAdapters\lib
A.2 Installing the Adapter Component Interfaces

Oracle Application Adapter for PeopleSoft includes two custom Component Interfaces. Oracle WebLogic Server Adapter Application Explorer uses these Component Interfaces to create schemas for events and services.

To configure Component Interfaces for Oracle Application Adapter for PeopleSoft, you must:

1. Import and build the Component Interfaces.
2. Configure Component Interface security.
3. Test the Component Interfaces.

A.2.1 Importing and Building the Component Interfaces

The Component Interfaces provided with Oracle Application Adapter for PeopleSoft are delivered through a PeopleSoft project:

- For PeopleSoft Release 8.4, it is the IWY_CI_84 project, packaged in iwpsci84.zip.
- For PeopleSoft Release 8.1, it is the IWY_CI_81 project, packaged in iwpsci81.zip.

On Microsoft Windows, the default location of the files is C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\etc\peoplesoft. Use the corresponding location on non-Windows systems.

Importing and Building the Component Interfaces

To import the IWY_CI_81 or IWY_CI_84 project to PeopleSoft:

1. Unzip iwpsci81.zip or iwpsci84.zip to any directory.

   The unzip process creates its own subdirectory. For example, if you extract the file to c:\temp, it creates c:\temp\IWY_CI_81 or c:\temp\IWY_CI_84.

2. Launch the PeopleSoft Application Designer in the two-tier mode.
3. Open the Copy From File Select Project dialog as follows:

   - In PeopleSoft 8.4, select Copy Project from the Tools menu, and then select From File.
   - In PeopleSoft 8.1, select Copy Project from File from the File menu.

     The Copy Project From File dialog opens.

4. Navigate to the original directory in which you unzipped the file.
5. Click **Open** (in release 8.4) or **Copy** (in release 8.1) to open the Copy From File dialog.

**Note:** Although the preceding figures illustrate PeopleSoft release 8.4, the corresponding instructions are accurate for releases 8.1 and 8.4.

6. Highlight all objects listed in **Definition Type(s)**, and then click **Copy**.

The Application Designer displays the following message, which indicates successful completion.

7. To build the views in the project, select **Build**, and then select **Project**.

The Build dialog is displayed.

8. In the Build Options pane, select **Create Views**.

9. Select your site’s customary option in the Build Execute Options pane. (In the previous figure, Execute SQL now is selected.)
10. Click **Build**.

   The Application Designer displays a Build Progress status window.

   ![Build Progress Window](image)

   You can use your native SQL Tool to view the records from the generated view to ensure that they have been created correctly.

11. If the view has not been generated correctly, click **Close**, and double-click the SQL Build log statement.

    The PSBUILD log file appears.

   ![PSBUILD Log File](image)

12. If you encounter problems, check the Build settings options by selecting **Build**, and then **Settings**.

    The Build Settings dialog is displayed.

   ![Build Settings Dialog](image)

   Depending on the application server database for PeopleSoft, some databases may require the Tablespace name. Consult your PeopleSoft database administrator for more information regarding this function.
You have now finished importing and building the Component Interfaces. To configure security for Component Interfaces, refer to "Configuring Component Interface Security" on page A-5.

### A.2.2 Configuring Component Interface Security

Application Explorer requires the custom Component Interfaces that you imported and built in the previous step, so you must ensure that all Application Explorer users have access to these Component Interfaces. As with all PeopleSoft objects, security is assigned at the Permission List level. Review your site security requirements to determine which users are going to work with Application Explorer, and then set Component Interface security for each distinct Permission List belonging to those users.

**Note:** These Component Interfaces are required for creating schemas and business services, and they are used at run time for using the Find method. They have only Get and Find access and cannot be used to update your PeopleSoft database. This minimizes any possible security exposure.

In PeopleSoft release 8.1, you can set security in 2, 3, or 4-tier mode, whereas in release 8.4 and higher, you can set security 4-tier mode only.

The following steps describe how to configure security for all supported releases of PeopleSoft in all supported modes. The figures shown in the steps reflect PeopleSoft release 8.4 in 4-tier mode.

1. Select PeopleTools, Security, User Profiles, Permissions & Roles, and then Permission Lists.
2. Click **Search** and select the relevant Permission List.

   The Permission List pane opens on the right.
Installing the Adapter Component Interfaces

3. Click the right arrow next to the **Sign-on Times** tab to display the Component Interfaces tab.

4. Click the **Component Interfaces** tab.

5. To add a new row to the Component Interfaces list, select the plus sign (+).

6. Enter or select **IWY_CI_ATTRIBUTES Component Interface** and click **Edit**.

7. To set the Get and Find methods to Full Access, click **Full Access (All)**.

8. Click **OK**.

9. Repeat steps 5 through 8 for the **IWY_CI_MESSAGES Component Interface**.

10. Scroll down to the bottom of the Component Interfaces window, and click **Save**.

You have finished configuring security for the Component Interfaces delivered with Oracle Application Adapter for PeopleSoft. To test these Component Interfaces, refer to "Testing the Component Interfaces" on page A-6.

### Testing the Component Interfaces

You must test each of the Oracle Application Adapter for PeopleSoft Component Interfaces before using them.

To test the Component Interfaces:

1. In PeopleSoft Application Designer, open the **IWY_CI_ATTRIBUTES Component Interface**.

2. Select **Tools**, and then **Test Component Interface**.

   The Component Interface Tester dialog is displayed.
3. Click **Find**. Entries for the underlying component appear.

   A message may appear stating that display is limited to a certain number of entries. This is not a problem.

4. Highlight a line with its corresponding key in the Find Results window and click **Get Selected**. The relevant data for the selected key is displayed.

   If this window opens, the Component Interface has been successfully tested for the Find method.

---

**Note:** The Create New option is disabled because the Add method is not applicable to this Component Interface.
5. Click **Get Existing**. For the Get method, an existing key must be entered.

The exposed properties for the key that is entered are returned.

If the following window opens, the Component Interface has been successfully tested for the Get method.
6. Repeat this process for the IWY_CI_MESSAGES Component Interface. You have finished testing the Component Interfaces.

A.2.3 Installing the TCP/IP and HTTP Message Router for Oracle Application Adapter for PeopleSoft

To enable PeopleSoft to send an XML event document to components using TCP/IP and HTTP, you must install the type of TCP/IP and HTTP message router required for your PeopleSoft release:

- For Release 8.4, install the TCP/IP and HTTP target connector. For more information, refer to "Installing the TCP/IP and HTTP Target Connector for PeopleSoft Release 8.4" on page A-9.

  For Release 8.4, iWay Software recommends using the TCP/IP and HTTP target connectors that are delivered by PeopleSoft for the PeopleTools 8.4 series. Do not use the target connectors that are supplied by iWay Software for the PeopleTools 8.1 series. They are only packaged by iWay Software for the PeopleTools 8.4 series to assist existing users who are migrating from Release 8.1 to Release 8.4.

- For Release 8.1, install the TCP/IP and HTTP handler. For more information, refer to "Installing the TCP/IP and HTTP Handler for PeopleSoft Release 8.1" on page A-10.

  **Note:** If you are not using PeopleSoft messages for event handling, you may skip this topic.

**Installing the TCP/IP and HTTP Target Connector for PeopleSoft Release 8.4**

The TCP/IP and HTTP target connector for PeopleSoft release 8.4 is installed with Oracle Application Adapter for PeopleSoft. The default location on Microsoft Windows is:

C:\oracle\Middleware\home_0309\Oracle_SOAl\soa\thirdparty\ApplicationAdapters\etc\peoplesoft\iwpsevent84.jar
Use the corresponding location on non-Windows systems.

To install the TCP/IP and HTTP target connector for PeopleSoft Release 8.4:

1. Extract TCPIPTARGET84.class from iwpsevent84.jar. Use any extraction utility for your platform.
2. Port TCPIPTARGET84.class to the platform where the PeopleSoft gateway Web server is located.
3. Place TCPIPTARGET84.class in the PeopleSoft server target connector directory.
   
   For example:
   
   $PS_HOME/webserv/servletclasses/TCPIPTARGET84.class

Installing the TCP/IP and HTTP Handler for PeopleSoft Release 8.1

The TCP/IP and HTTP target connector for PeopleSoft release 8.1 is installed with Oracle Application Adapter for PeopleSoft. The default location on Microsoft Windows is:

C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\etc\peoplesoft\iwpsevent81.jar

Use the corresponding location on non-Windows systems. If this location does not exist, contact your distributor for copies of the relevant files.

To install the TCP/IP and HTTP Handler for PeopleSoft release 8.1:

1. Port iwpsevent81.jar to the platform on which the PeopleSoft gateway Web server is located.
2. Place iwpsevent81.jar in the servletclasses directory under the PeopleSoft Web server.
   
   For example:
   
   $PS_HOME/webserv/servletclasses/iwpsevent81.jar

3. Extract the embedded class files.
extracted:
psft/pt8/tcphandler/TCPIPEndPointHandler81$PublicationHandlerEntry.class
extracted:
psft/pt8/tcphandler/TCPIPEndPointHandler81$PublicationHandler.class
extracted: psft/pt8/tcphandler/TCPIPEndPointHandler81.class
$

Note: The files are placed in a new directory, tcphandler, under psft/pt8.
This appendix describes how to configure Oracle Application Adapter for J.D. Edwards OneWorld.

This appendix contains the following topics:

- Modifying the JDE.INI File for Outbound and Inbound Processing
- The OneWorld Event Listener
- Configuring the OneWorld Event Listener
- Runtime Overview

### B.1 Modifying the JDE.INI File for Outbound and Inbound Processing

This section describes the settings that are required in the JDE.INI file for the XML call object kernel (outbound and inbound processing).

The JDE.INI file is located in the following directory on the Enterprise Server:

\\system\bin32

Open the JDE.INI file and modify the [JDENET KERNEL DEF6] and [JDENET KERNEL DEF15] sections as follows:

```
[B.1 Modifying the JDE.INI File for Outbound and Inbound Processing]

[JDENET KERNEL DEF6]
krnlName=CALL OBJECT KERNEL
dispatchDLLName=XMLCallObj.dll
dispatchDLLFunction=_XMLTransactionDispatch@28
maxNumberOfProcesses=1
numberOfAutoStartProcesses=1

[JDENET KERNEL DEF15]
krnlName=XML TRANSACTION KERNEL
dispatchDLLName=XMLTransactions.dll
dispatchDLLFunction=_XMLTransactionDispatch@28
maxNumberOfProcesses=1
numberOfAutoStartProcesses=1
```

The parameters containing an underscore (_) and @28 are for Windows NT operating systems only. For other operating systems, replace the parameters with the values in the following table:
The OneWorld Event Listener

Oracle Application Adapter for J.D. Edwards OneWorld Event Listener is designed specifically to provide J.D. Edwards approved access to your OneWorld business events. The OneWorld Event Listener refers to a specialized application that runs with OneWorld business functions and is called by the OneWorld application system.

The OneWorld application system provides the Event Listener with the information required to retrieve the event information for only the desired events. For information about configuring the OneWorld environment, see the J.D. Edwards Interoperability Guide for OneWorld.

The OneWorld Event Listener is called directly from the OneWorld application and is passed a Z-file record identifier. This identifier then generates a request document that is passed to the server for processing. The server retrieves the event information from the J.D. Edwards OneWorld system and propagates the information for integration with other application systems.

### B.3 Configuring the OneWorld Event Listener

The OneWorld Event Listener is installed as part of the Oracle Application Adapters installation. The OneWorld Event Listener supports TCP/IP and HTTP protocols.

The OneWorld Event Listener is invoked by J.D. Edwards for specific transactions as configured in the OneWorld environment.

The OneWorld Event Listener includes the following components:

- The listener exit (IWOEvent), located under the \etc\jde directory. For example:
  
  C:\oracle\Middleware\home_0309\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\etc\jde\iwoevent.dll

  The file extension varies depending on your operating system:
  
  - For Windows, the exit is iwoevent.dll.
  - For Sun Solaris, the exit is libiwoevent.so.
  - For HP-UX, the exit is libiwoevent.sl.
  - For AS/400, the exit is iwaysav.sav.
  - For IBM AIX, the exit is libiwoevent.so.

---

### Note:

The J.D. Edwards OneWorld installation for version B7333(XE) does not include [JDENET_KERNEL_DEF15]. As a result, if you are using version B7333(XE), you must manually add it to the jde.ini file. For all other J.D. Edwards OneWorld versions, [JDENET_KERNEL_DEF15] is included with the installation.
The listener configuration file (iwoevent.cfg), which must be created by the user.

The OneWorld Event listener exit is the function that passes the key fields for a record in the OneWorld outbound transaction tables to the integration server for processing by the inbound Oracle Application Adapter for J.D. Edwards OneWorld. The OneWorld Event listener is deployed under the J.D. Edwards OneWorld Enterprise Server. The Java class for the OneWorld Event listener is called IWOEvent (the file extension depends on the operating system) and is case-sensitive.

1. Create a folder called Outbound under the JDE structure on the JDE Enterprise Server, for example:
   \JDEdwards\E812\DDP\Outbound

2. Copy the iwoevent.dll file in the new Outbound folder.

3. Create an environment variable, IWOEVENT_HOME, to point to the directory containing the iwoevent.dll file.
   - On Windows: Add IWOEVENT_HOME to the system environment variables.
   - On UNIX: Add the following command to your start-up script:
     export IWOEVENT_HOME =/directory_name

4. On the J.D. Edwards OneWorld Server, create an iwoevent.cfg file in the defined directory, IWOEVENT_HOME.

The OneWorld Event listener requires connection information for the associated adapter to initiate events properly. This information is contained in the iwoevent.cfg file. You must create this file and add the connection information to it. The OneWorld Event Listener requires connection information for the associated integration server to function properly. This information is contained in the iwoevent.cfg file. The iwoevent.cfg file has three distinct sections:

   ■ Common

   The common section of the configuration file contains basic configuration options. Currently, only the trace option is supported.

   To set the trace option, select on or off.

   common.trace=on|off

   Where on sets the tracing to on and off sets the tracing to off. Off is the default value.

   By default, the OneWorld Event listener supports TCP/IP. To activate the HTTP protocol for this listener, add the following line:

   common.http=on

   ■ Alias

   The alias section of the configuration file contains the connection information required to send transactions to specific servers. Currently, the Oracle Application Adapter for J.D. Edwards OneWorld supports 100 entries (alias names) in the configuration file.

   The alias values to these entries are as follows:

   Alias.aliasname=(ipaddress|dsn):port, trace={on|off}

   Where:
aliasname is the symbolic name given to the connection.

ipaddress|dsn is the IP address or DSN name for the server containing Oracle Application Adapter for J.D. Edwards OneWorld (required).

port is the port defined for Oracle Application Adapter for J.D. Edwards OneWorld in the TCP channel configuration (required).

trace={on|off} sets the tracing to on for the particular alias.

Trans

The trans section of the configuration file contains transaction information required to route J.D. Edwards OneWorld transactions to specified servers.

If a particular J.D. Edwards OneWorld transaction is not defined to an alias, it is sent to all aliases. The trans values to these entries are as follows:

trans.jdeTransactionName=alias1,alias2,aliasn

Where jdeTransactionName is the JDE-defined name for the outbound transaction and alias1,alias2,aliasn is the list of aliases to which the transactions are sent.

The following is a sample entry for iwoevent.cfg that supplies connection information:

common.trace=on
alias.edamcs1=172.1.1.1:3694
alias.edamcs1t=172.1.1.1:3694, trace=on
alias.edamcs2=222.2.2.2:1234

trans.JDESOOUT=edamcs1t,edamcs2
trans.JDEP00OUT=edamcs1

5. Create a folder using the alias names that are specified in the iwoevent.cfg file under the defined directory, IWOEVENT_HOME. For example:
\\JDEdwards\E812\DDP\Outbound\edamcs1

B.4 Runtime Overview

After OneWorld starts the OneWorld Event listener, the listener accesses the configuration file, called iwoevent.cfg (case-sensitive). Based on the information in the configuration file, the listener sends the event notification to the integration server. All log information is saved in a file called iwoevent.log. The iwoevent.log file is created in the outbound folder where the iwoevent.dll and iwoevent.cfg files are located.
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