

## **Oracle® Fusion Middleware**

Application Adapters Installation Guide for Oracle WebLogic  
Server

11g Release 1 (11.1.1)

**E17054-01**

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Oracle Fusion Middleware Application Adapters Installation Guide for Oracle WebLogic Server, 11g Release 1 (11.1.1)

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# Preface

*Oracle Fusion Middleware Application Adapters Installation Guide for Oracle WebLogic Server* describes how to install and configure Oracle Application Adapters for Oracle WebLogic Server 11g Release 1 (11.1.1).

## 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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## 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 Best Practices Guide for Oracle WebLogic Server*
- *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 Siebel User's Guide for Oracle WebLogic Server*
- *Oracle Fusion Middleware Application Adapter for PeopleSoft User's Guide for Oracle WebLogic Server*
- *Oracle Fusion Middleware Application Adapter for J.D. Edwards OneWorld 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](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:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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# Introduction

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 1–1 Oracle Application Server Application Adapters for Packaged Applications**

Adapter	Description
Oracle Application Adapter for J.D. Edwards OneWorld	Provides comprehensive, bidirectional, and standards-based connectivity to J.D. Edwards OneWorld applications.
Oracle Application Adapter for PeopleSoft	Provides comprehensive, bidirectional, and standards-based connectivity to PeopleSoft applications.
Oracle Application Adapter for Siebel	Connects Oracle WebLogic Server to a Siebel system by providing unique features that minimize the implementation effort.
Oracle Application Adapter for SAP R/3	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.

### 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 WebLogic 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**

Hardware	Windows 2000	Solaris	Linux
Disk Space (to install all adapters)	200 MB	200 MB	200 MB
Memory	256 MB	256 MB	256 MB

### 1.2.2 Software Requirements

The following section describes the OracleAS Adapter software requirements:

**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](#).

#### 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**

Platform Type	Platform List	32- or 64-bit	JDK Version
Windows	Intel x86 Microsoft Windows 2003 SP2/R2+	32-bit	<ul style="list-style-type: none"> <li>▪ Sun 1.6.0_07+ (32-bit)</li> <li>▪ JRockit 27.6 (32-bit)</li> </ul>
	x64 Windows 2003 with SP2/R2+	64-bit	<ul style="list-style-type: none"> <li>▪ Sun 1.6.0_07+ (64-bit)</li> <li>▪ JRockit 27.6 (64-bit)</li> </ul>
	Intel x86 Windows Server 2008	32-bit	<ul style="list-style-type: none"> <li>▪ Sun 1.6.0_07+ (32-bit)</li> <li>▪ JRockit 27.6 (32-bit)</li> </ul>



**Table 1–3 (Cont.) Operating System Requirements**

<b>Platform Type</b>	<b>Platform List</b>	<b>32- or 64-bit</b>	<b>JDK Version</b>
	x64 Windows Server 2008	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
<b>Solaris</b>	Sun Solaris Sparc 2.9	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
	Sun Solaris Sparc 2.10	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
<b>HP</b>	PA-RISC HP UX 11i 11.23, 11.31	64-bit	HP JDK 1.6.0.02 (64-bit)
	Itanium-2 HP UX 11.23, 11.31	64-bit	HP JDK 1.6.0.02 (64-bit)
<b>Linux</b>	Intel x86 RedHat Linux EL 4 (UL7+)	32-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (32-bit)</li> <li>■ JRockit 27.6 (32-bit)</li> </ul>
	Intel x86 RedHat Linux EL 5.x (UL2)	32-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (32-bit)</li> <li>■ JRockit 27.6 (32-bit)</li> </ul>
	x64 RedHat Linux EL 4 (UL7+)	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
	x64 RedHat Linux EL 5.x (UL2+)	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
	Intel SUSE 10	32-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (32-bit)</li> <li>■ JRockit 27.6 (32-bit)</li> </ul>
	x64 SUSE10	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
	Intel Oracle Enterprise Linux 4 (UL7+)	32-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (32-bit)</li> <li>■ JRockit 27.6 (32-bit)</li> </ul>
	Intel Oracle Enterprise Linux 5.x (UL2+)	32-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (32-bit)</li> <li>■ JRockit 27.6 (32-bit)</li> </ul>
	x64 Oracle Enterprise Linux 4 (UL7+)	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
	x64 Oracle Enterprise Linux 5.x (UL2+)	64-bit	<ul style="list-style-type: none"> <li>■ Sun 1.6.0_07+ (64-bit)</li> <li>■ JRockit 27.6 (64-bit)</li> </ul>
<b>AIX</b>	IBM Power AIX 5L (5.3 ML01+)	64-bit	IBM 1.6 SR2 (64-bit)
	IBM Power AIX 6.1	64-bit	IBM 1.6 SR2 (64-bit)

### 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](#)

- [J.D. Edwards OneWorld](#)

### 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

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**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.
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### 1.2.3.2 PeopleSoft

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

Adapter Platform	PeopleSoft Platform	PeopleSoft Release	PeopleTools Release Level
List of platforms in <a href="#">Table 1-3, "Operating System Requirements"</a>	All PeopleSoft supported platforms	8.1	8.16.03 - 8.22
	(for example, Windows, Solaris, AIX, and so on)	8.4	8.40.05 - 8.50

### 1.2.3.3 Siebel

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

Adapter Platform	Siebel Platform	Siebel Release	API
List of platforms in Table 1-3, "Operating System Requirements"	Windows	6.0.1 - 6.2	COM
	Windows	6.3 - 8.0	Java Data Bean
	Solaris	6.0.1 - 8.0	Java Data Bean
	AIX	6.3 - 8.0	Java Data Bean

#### 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:

Adapter Platform	J.D. Edwards OneWorld Platform	J.D. Edwards OneWorld Product and Release
List of platforms in Table 1-3, "Operating System Requirements"	Windows, AS400, HP 9000/B, Sun or IBM RS/6000	<ul style="list-style-type: none"> <li>■ XE (B7333) from SP19 to SP23</li> <li>■ ERP 8.0 (B7334)</li> <li>■ EnterpriseOne B9 (8.9)</li> <li>■ EnterpriseOne 8.10 (Tools Release 8.93 and 8.94)</li> <li>■ EnterpriseOne 8.11 (SP1)</li> <li>■ EnterpriseOne 8.12 (Tools Release 8.96 2.0)</li> <li>■ EnterpriseOne 9.0 (Tools Release 8.98.1.3)</li> </ul>



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## Installation and Configuration

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_SOA1
```

4. Navigate to the location on your system where the installation executable file is located.

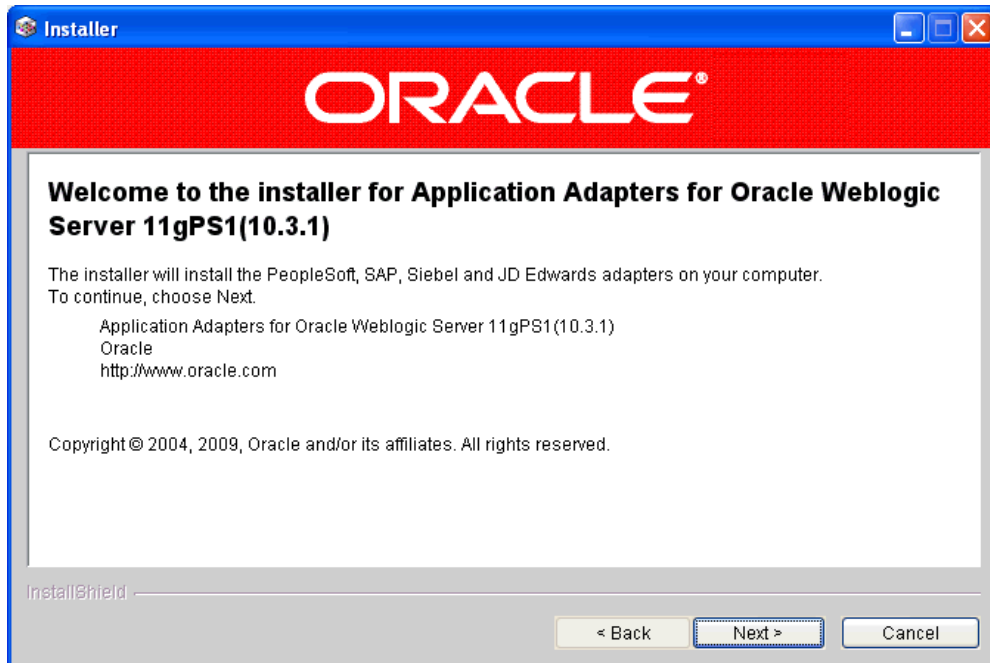
On Windows:

iwora11g.application-adapters.win32.exe

5. Double-click this file to start the Oracle Application Adapters for Oracle WebLogic Server installation program.

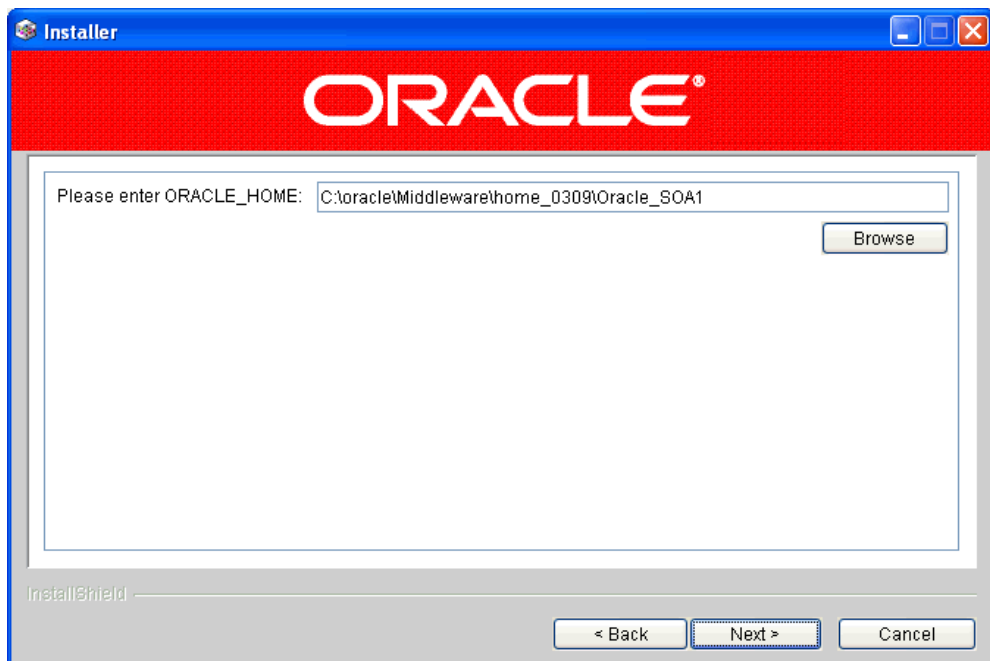
The installation program uses the JDK version that is available in your system PATH or on a predefined paths.

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\_SOA1

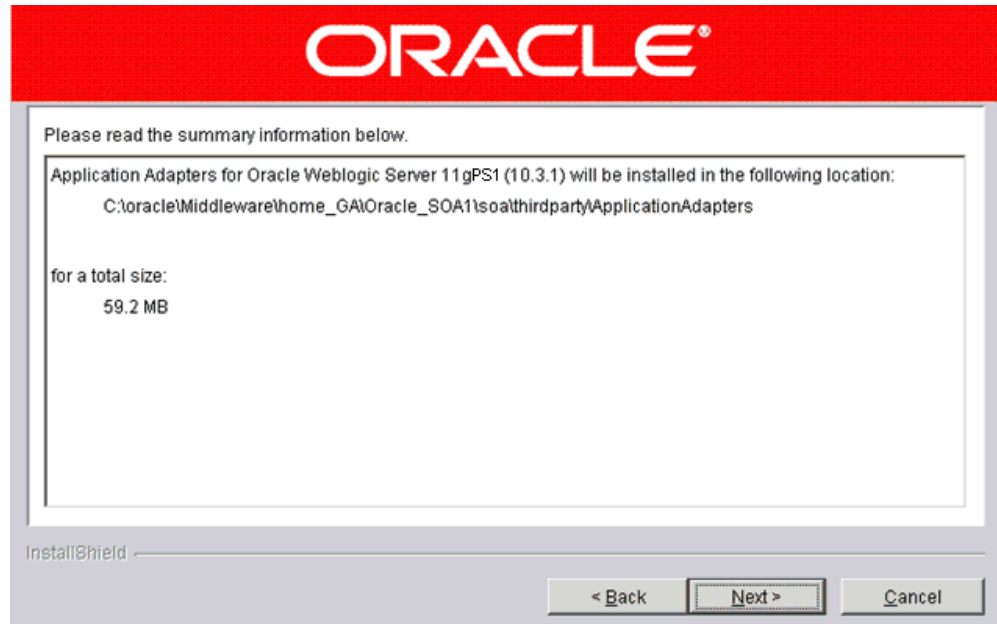
The installation program installs all the application adapters and related files in the following location:

*ORACLE\_HOME*\soa\thirdparty\ApplicationAdapters

In this example, *ORACLE\_HOME* is the location where Oracle SOA Suite is installed.

8. Click **Next**.

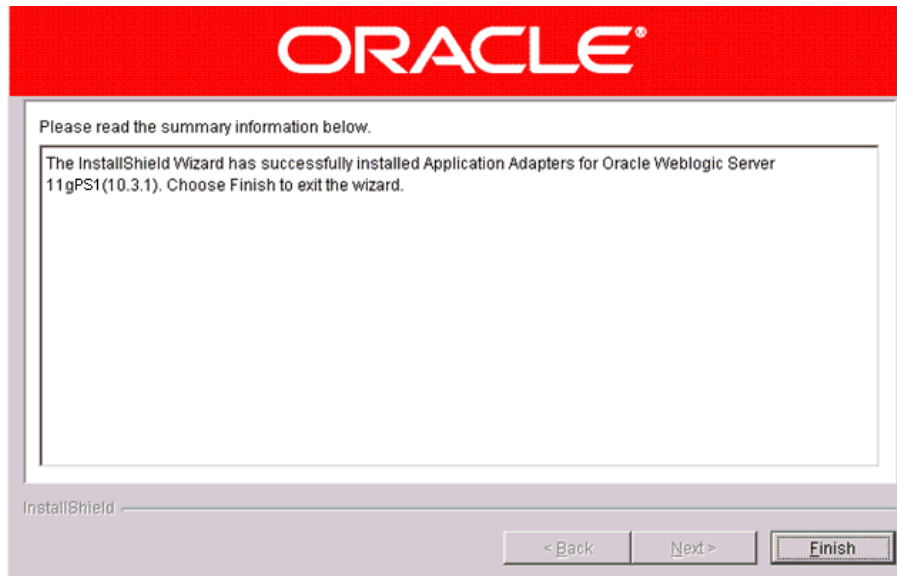
The Summary screen is displayed.



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.

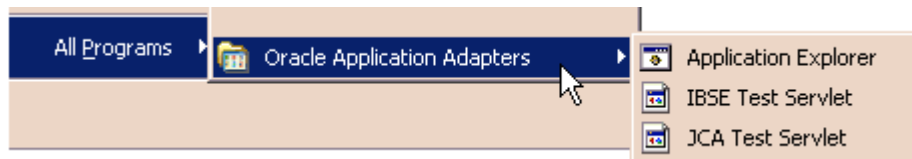


#### 10. Click **Finish**.

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 run time.

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\iwaeb\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.

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

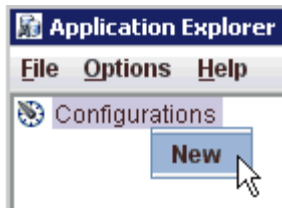
```
chmod +x iwae.sh
```

---

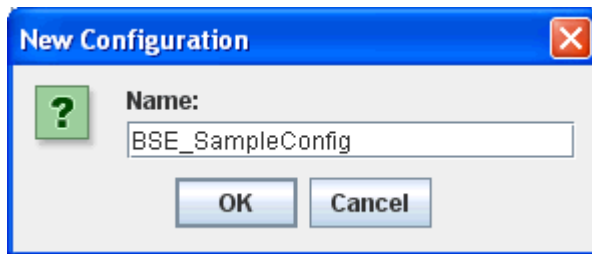


---

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

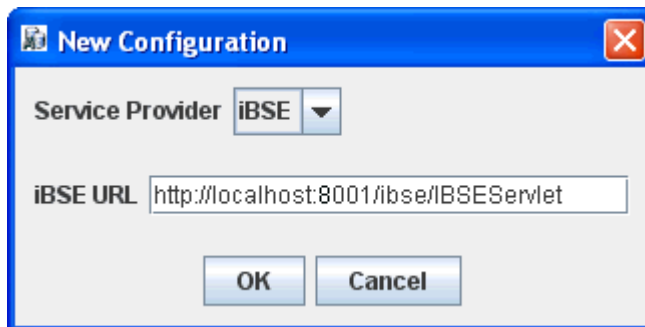


The New Configuration dialog is displayed.



3. Enter a name for the new configuration, for example, **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.



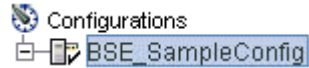
4. From the **Service Provider** list, select **iBSE**.
5. In the **iBSE URL** field, accept the default URL or replace it with a different URL with the following format:

```
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:

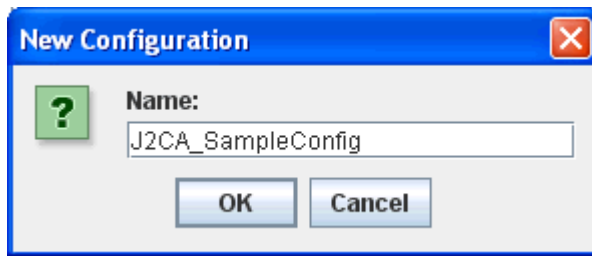
```
chmod +x iwae.sh
```

---

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

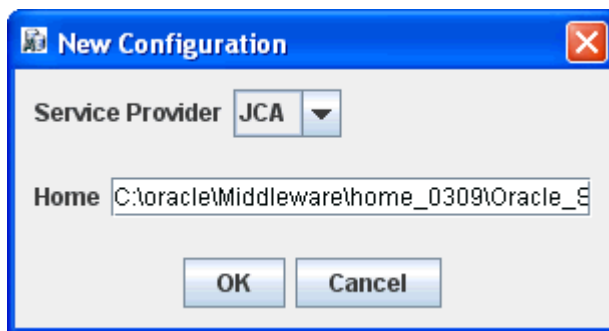


The New Configuration dialog is displayed.



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.

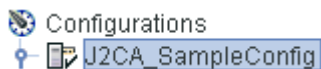


4. From the **Service Provider** list, select JCA.
5. In the **Home** field, enter a path to your J2CA configuration directory where the repository, schemas, and other information is stored, for example:

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:

```
C:\Oracle_home\soa\thirdparty\ApplicationAdapters\iwafjca.rar\META-INF\ra.xml
```

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\xxxxxxx\log` folder. Note that `xxxxxxx` 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 `iwafjcaxxx.log` naming convention. Outbound process logs are updated in the format `iwafjcaxx.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 `iwafjca40.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

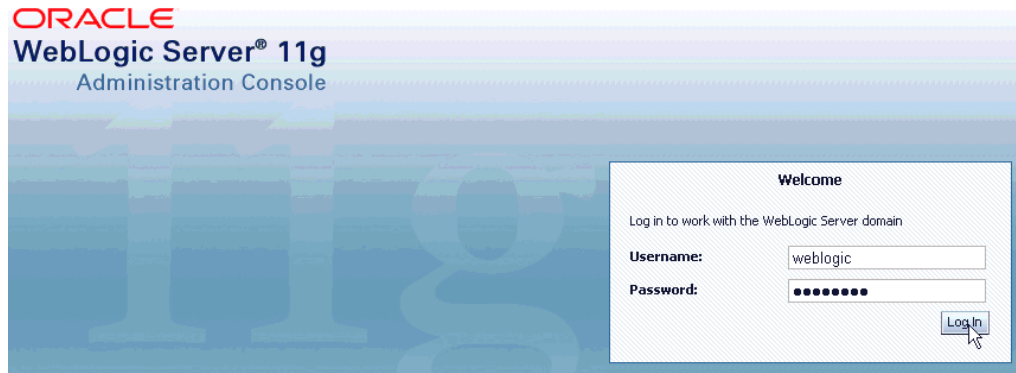
To deploy the J2CA Connector Application:

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
```

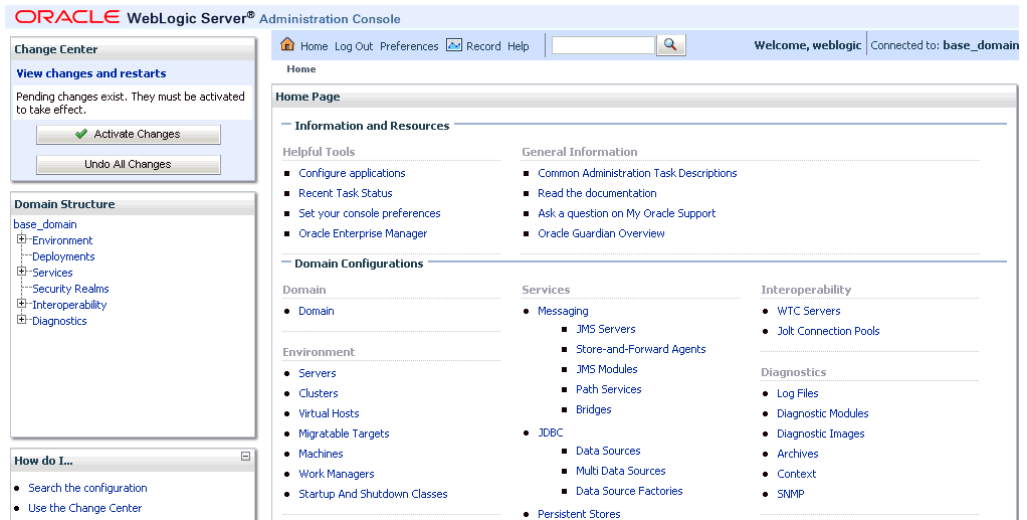
Where `host name` is the name of the system where Oracle WebLogic Server is running and `port` is the port for the Oracle WebLogic Server that is running. The default port for the Oracle WebLogic Server is 7001. However, this value can vary between installations.

The Oracle WebLogic Server Administration Console logon page is displayed.



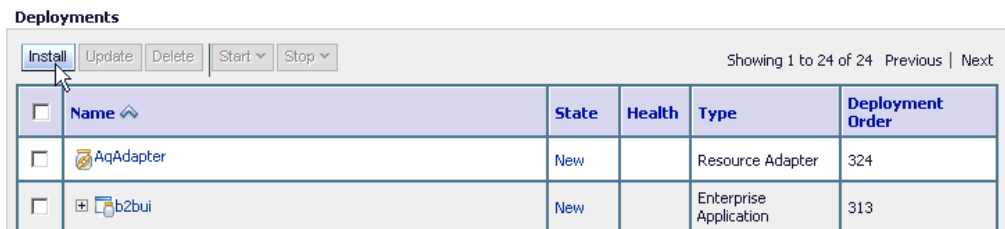
3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

The Oracle WebLogic Server Administration Console home page is displayed.



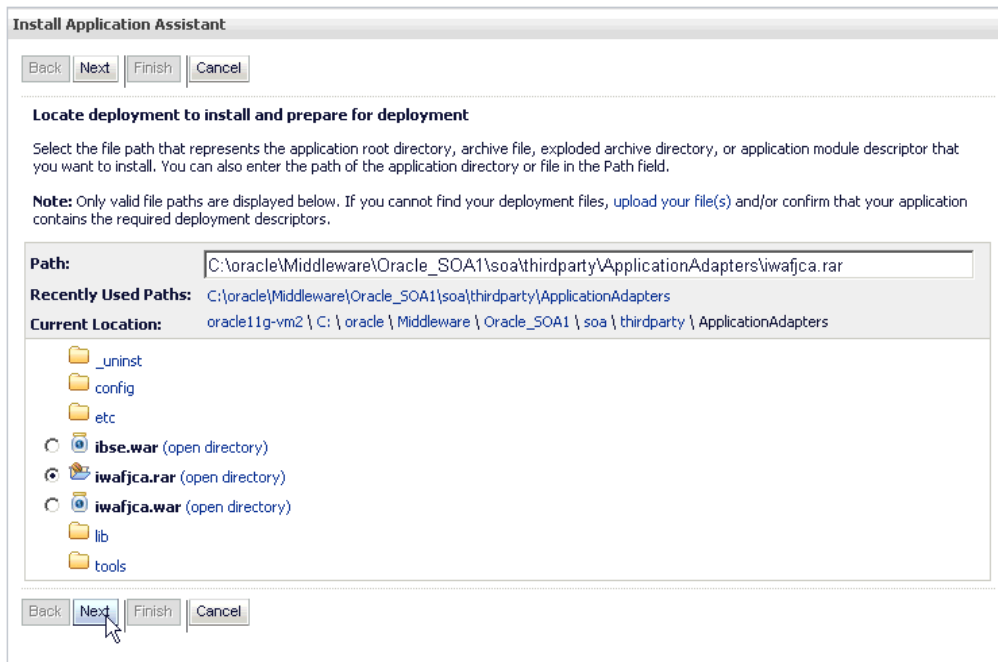
4. In the Domain Structure section in the left pane, click **Deployments**

The Deployments page is displayed.



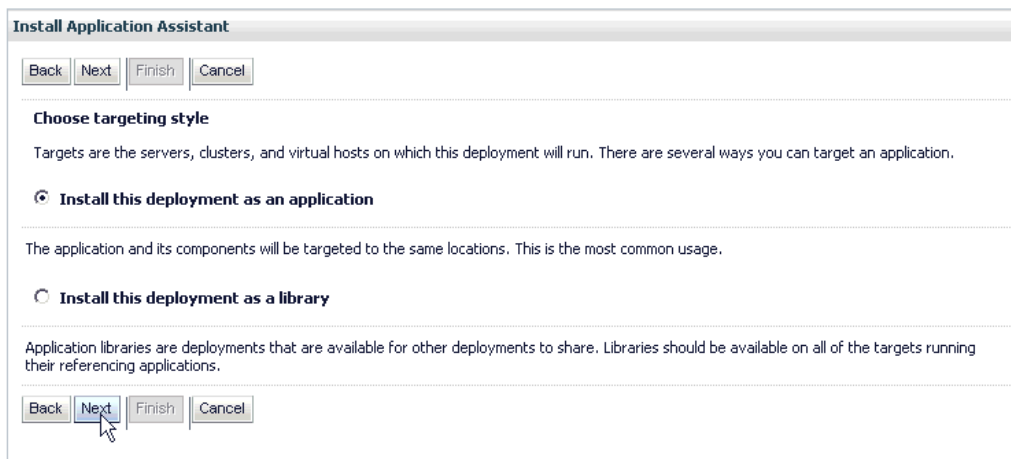
5. Click **Install**.

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.



**Install Application Assistant**

Back Next Finish Cancel

**Select deployment targets**

Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).

**Available targets for iwafjca :**

Servers
<input type="checkbox"/> AdminServer
<input checked="" type="checkbox"/> soa_server1

Back Next Finish Cancel

9. Select **soa\_server1** and click **Next**.

The **Optional Settings** page is displayed.

**Install Application Assistant**

Back Next Finish Cancel

**Optional Settings**

You can modify these settings or accept the defaults

**General**

What do you want to name this deployment?

Name:

**Source accessibility**

How should the source files be made accessible?

Use the defaults defined by the deployment's targets

Recommended selection.

Copy this application onto every target for me

During deployment, the files will be copied automatically to the managed servers to which the application is targeted.

I will make the deployment accessible from the following location

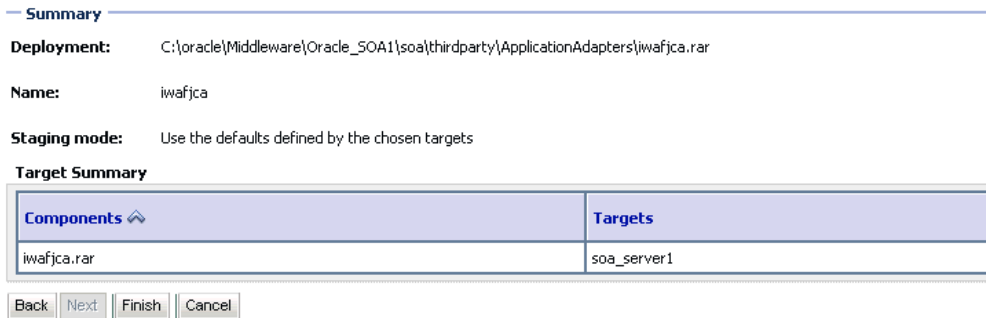
Location:

Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can reach the location.

Back Next Finish Cancel

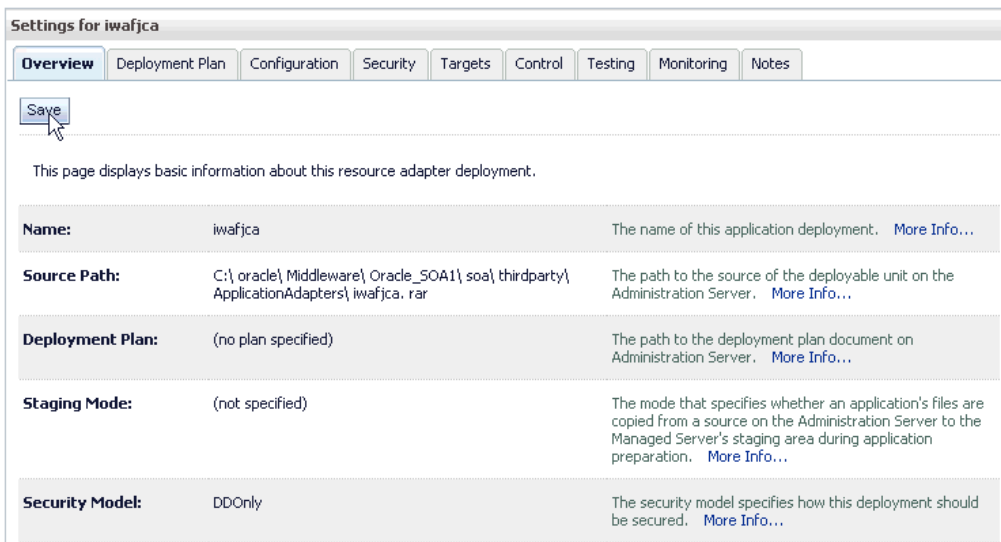
10. Click **Next** again leaving the default values.

The **Summary** page is displayed.



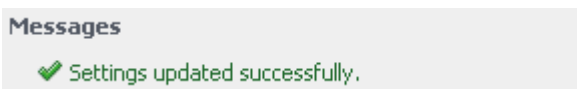
**11. Click Finish.**

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



**12. Click Save.**

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



**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.**

**Deployments**

Install Update Delete Start Stop

Showing 1 to 25 of 25 Previous | Next

<input type="checkbox"/>	Name	State	Health	Type	Deployment Order
<input type="checkbox"/>	AqAdapter	New		Resource Adapter	324
<input type="checkbox"/>	b2bui	New		Enterprise Application	313
<input type="checkbox"/>	composer	New		Enterprise Application	315
<input type="checkbox"/>	DbAdapter	New		Resource Adapter	322
<input type="checkbox"/>	DefaultToDoTaskFlow	New		Enterprise Application	314
<input type="checkbox"/>	DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
<input type="checkbox"/>	em	Active	OK	Enterprise Application	400
<input type="checkbox"/>	FileAdapter	New		Resource Adapter	321
<input type="checkbox"/>	FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
<input type="checkbox"/>	FtpAdapter	New		Resource Adapter	325
<input checked="" type="checkbox"/>	iwafjca	Installed		Resource Adapter	100
<input type="checkbox"/>	JmsAdapter	New		Resource Adapter	323

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.

**Start Application Assistant**

Yes No

**Start Deployments**

You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.

- iwafjca

Yes No

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.

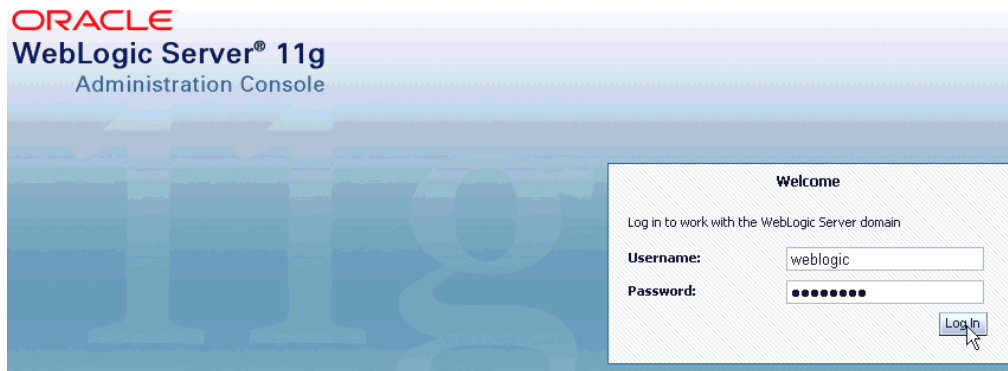
To deploy the J2CA IVP:

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://host name:port/console`

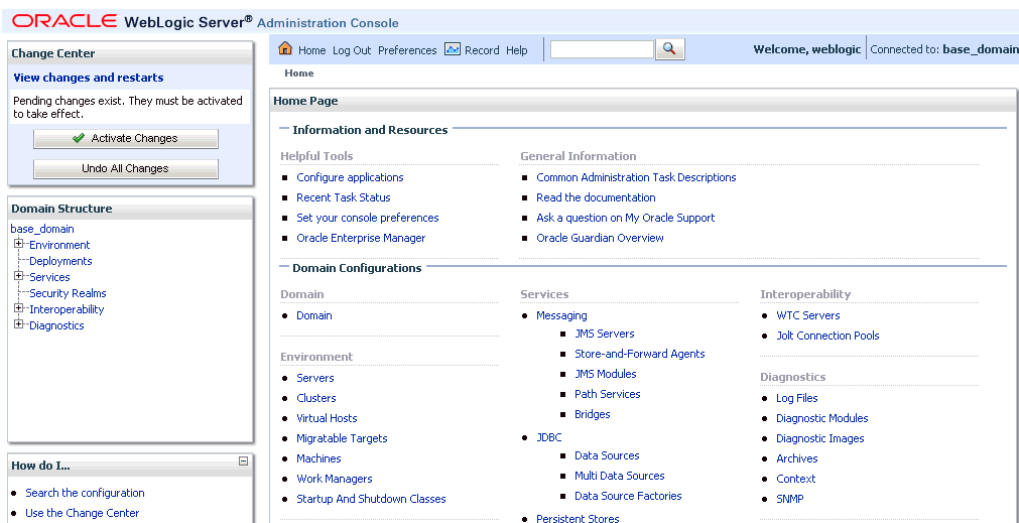
Where *host name* is the name of the system where Oracle WebLogic Server is running and *port* is the port for the Oracle WebLogic Server that is running. The default port for the Oracle WebLogic Server is 7001. However, this value can vary between installations.

The Oracle WebLogic Server Administration Console logon page is displayed.



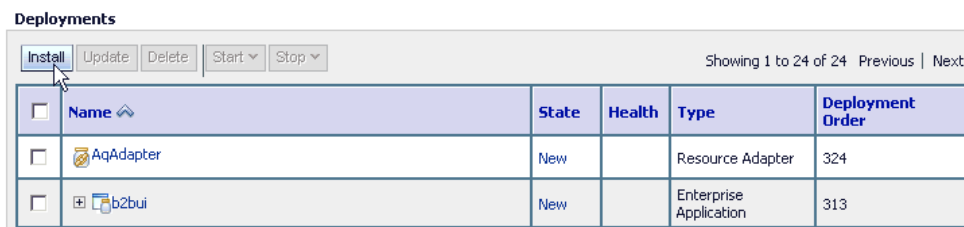
3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

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.



5. Click **Install**.

The Install Application Assistant page is displayed.

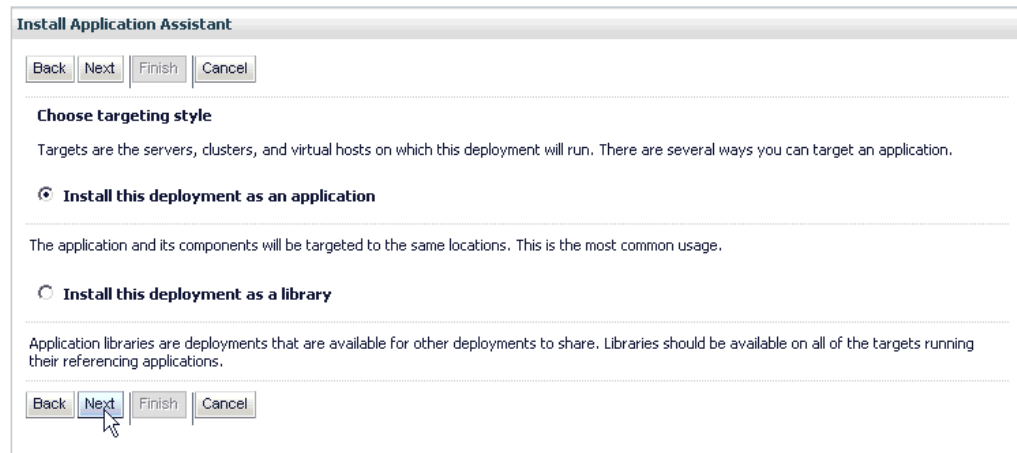


6. Browse to the following directory:

C:\oracle\Middleware\home\_0309\Oracle\_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.war

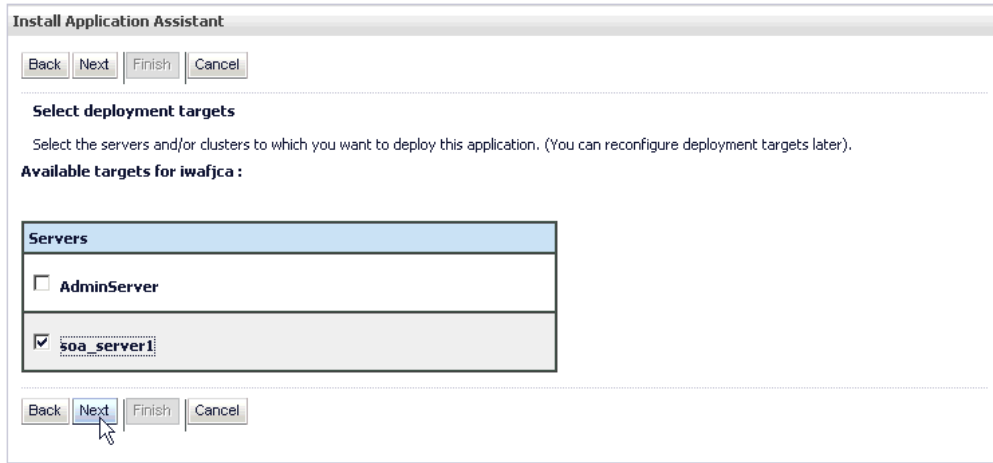
7. Select the option next to **iwafjca.war** and click **Next**.

The Choose Targeting Style page is displayed.



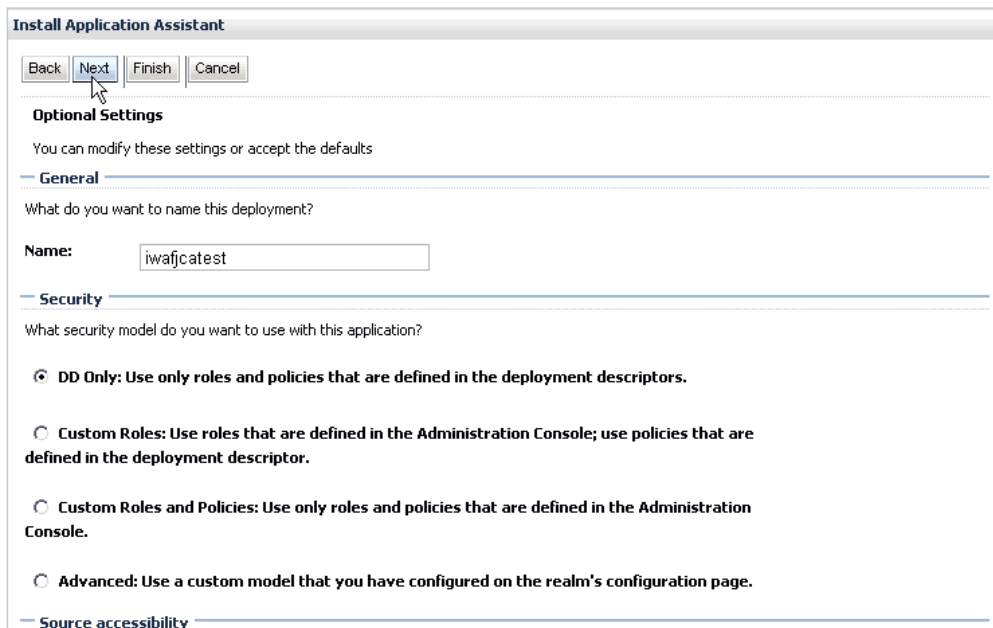
8. Leave the default **Install this deployment as an application** selected and click **Next**.

The Select Deployment Target page is displayed.



9. Select `soa_server1` and click **Next**.

The Optional Settings page is displayed.



10. In the Name field, enter the following:

```
iwafjcatest
```

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

The Summary page is displayed.

**Summary****Deployment:** C:\oracle\Middleware\Oracle\_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.war**Name:** iwafjcatest**Staging mode:** Use the defaults defined by the chosen targets**Security Model:** DDOnly: Use only roles and policies that are defined in the deployment descriptors.**Target Summary**

Components	Targets
iwafjca	soa_server1

Back Next **Finish** Cancel

**12. Click Finish.**

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

Settings for iwafjcatest

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Save

Use this page to view the installed configuration of a Web Application.

<b>Name:</b>	iwafjcatest	The name of this application deployment. <a href="#">More Info...</a>
<b>Context Root:</b>	iwafjca	The specific path at which this web application is found by a servlet. <a href="#">More Info...</a>
<b>Path:</b>	C:\oracle\Middleware\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.war	The path to the source of the deployable unit on the Administration Server. <a href="#">More Info...</a>
<b>Deployment Plan:</b>	(no plan specified)	The path to the deployment plan document on Administration Server. <a href="#">More Info...</a>
<b>Staging Mode:</b>	(not specified)	The mode that specifies whether an application's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. <a href="#">More Info...</a>

**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).**

**Deployments**

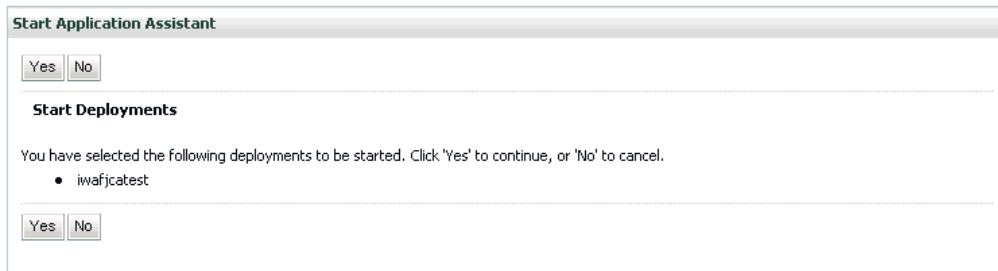
Install Update Delete Start Stop Showing 1 to 26 of 26 Previous Next

<input type="checkbox"/>	Name	State	Health	Type	Deployment Order
<input type="checkbox"/>	AqAdapter	New		Resource Adapter	324
<input type="checkbox"/>	b2bui	New		Enterprise Application	313
<input type="checkbox"/>	composer	New		Enterprise Application	315
<input type="checkbox"/>	DbAdapter	New		Resource Adapter	322
<input type="checkbox"/>	DefaultToDoTaskFlow	New		Enterprise Application	314
<input type="checkbox"/>	DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
<input type="checkbox"/>	em	Active	OK	Enterprise Application	400
<input type="checkbox"/>	FileAdapter	New		Resource Adapter	321
<input type="checkbox"/>	FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
<input type="checkbox"/>	FtpAdapter	New		Resource Adapter	325
<input type="checkbox"/>	iwafjca	New		Resource Adapter	100
<input checked="" type="checkbox"/>	iwafjctest	distribute Initializing		Web Application	100
<input type="checkbox"/>	JmsAdapter	New		Resource Adapter	323

16. Select the check box next to **iwafjctest**.

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 (iwafjctest) 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:

```
<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

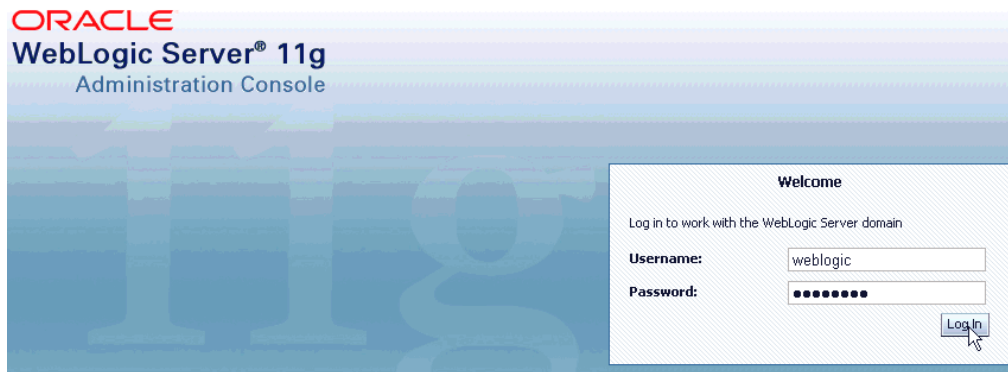
To deploy BSE:

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`

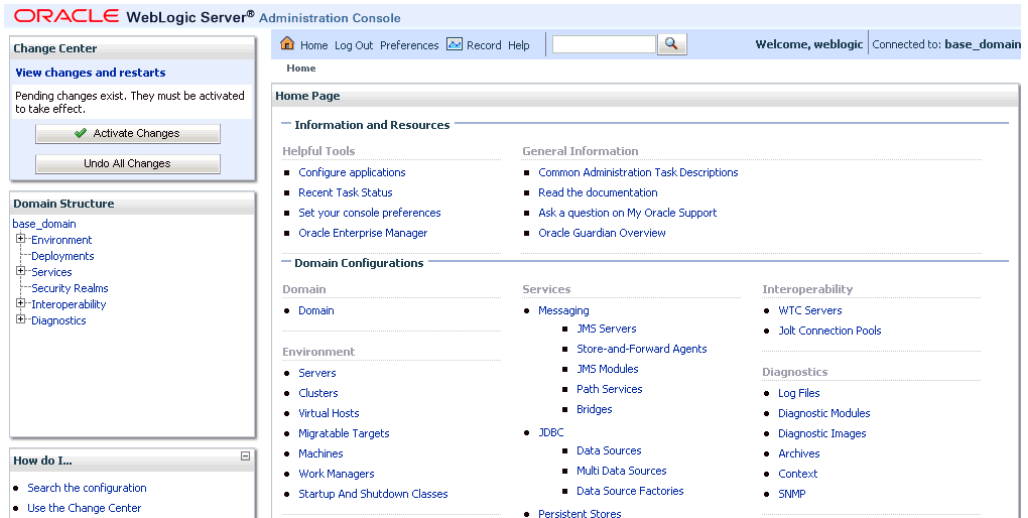
Where *host name* is the name of the system where Oracle WebLogic Server is running and *port* is the port for the SOA Server that is running. The default port for the SOA Server is 8001. However, this value can vary between installations.

The Oracle WebLogic Server Administration Console logon page is displayed.

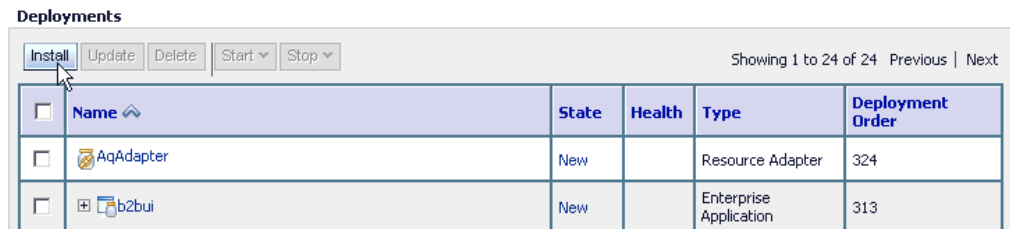


3. Log on to the Oracle WebLogic Server Administrative Console using an account that has administrator privileges.

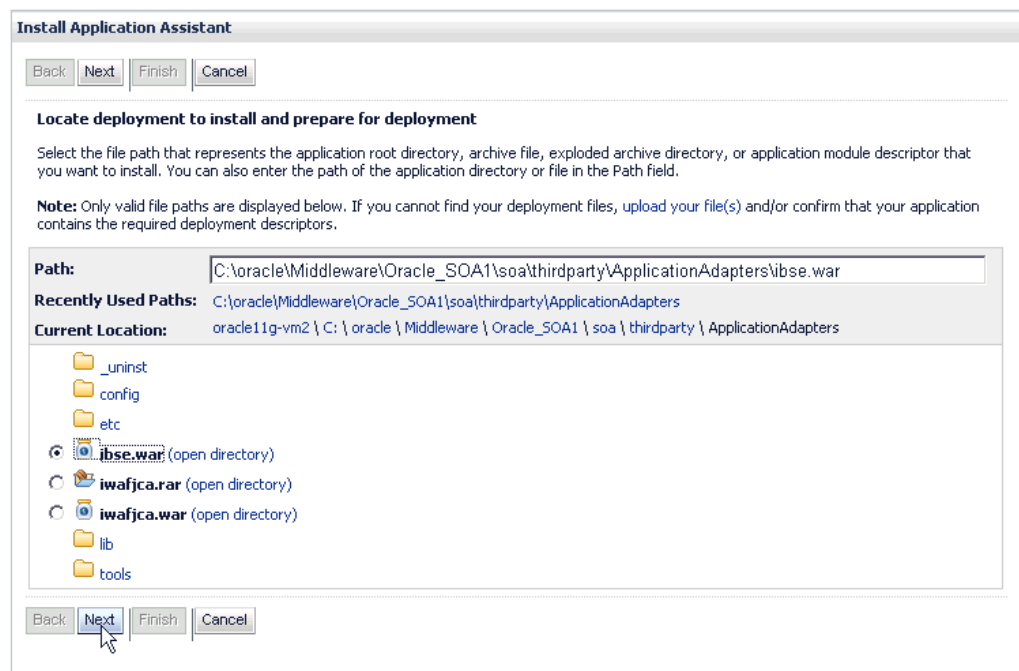
The Oracle WebLogic Server Administration Console home page is displayed.



- In the Domain Structure section in the left pane, click **Deployments**  
The Deployments page is displayed.



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

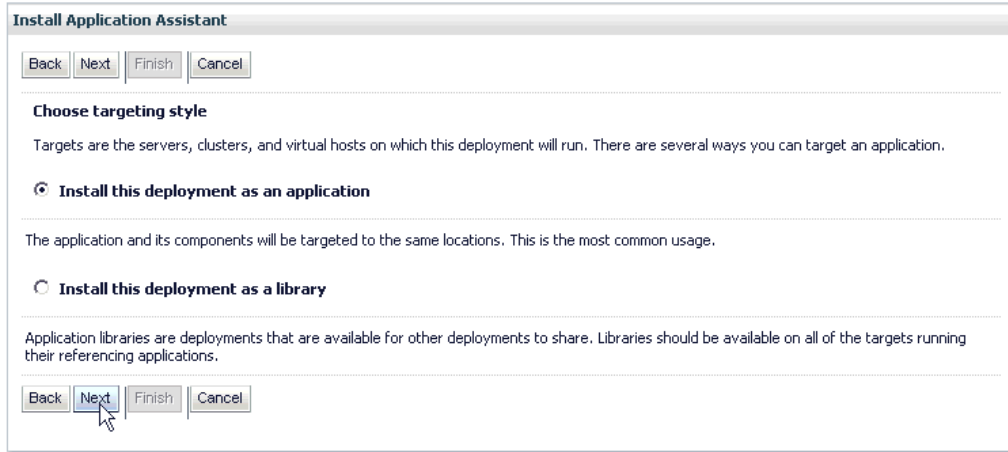


- Browse to the following directory:

C:\oracle\Middleware\home\_0309\Oracle\_  
SOA1\soa\thirdparty\ApplicationAdapters\ibse.war

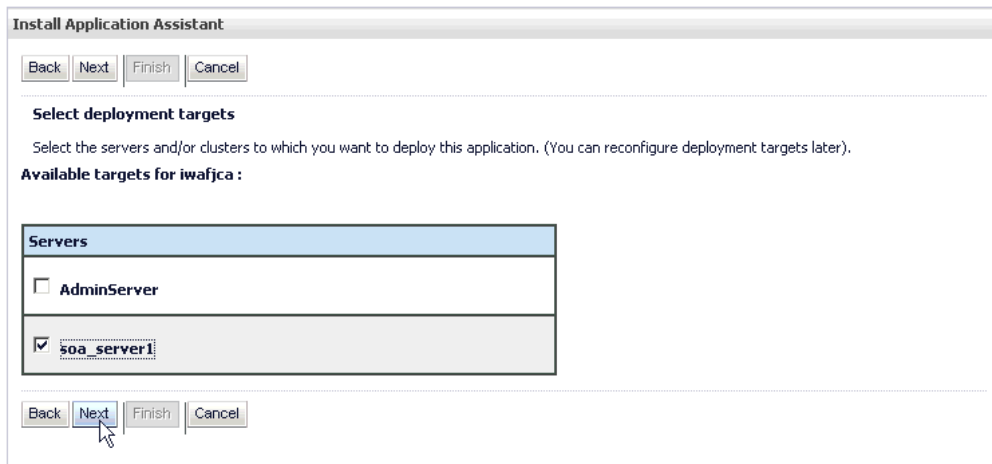
7. Select the option next to **ibse.war** and click **Next**.

The Choose Targeting Style page is displayed.



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

The Deployment Target page is displayed.



9. Select **soa\_server1** and click **Next**.

The Optional Settings page is displayed.

**Install Application Assistant**

Back Next Finish Cancel

**Optional Settings**

You can modify these settings or accept the defaults

**General**

What do you want to name this deployment?

Name:

**Security**

What security model do you want to use with this application?

**DD Only: Use only roles and policies that are defined in the deployment descriptors.**

**Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.**

**Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.**

**Advanced: Use a custom model that you have configured on the realm's configuration page.**

**Source accessibility**

10. Click **Next** and leave the remaining default values unchanged.

The Summary page is displayed.

**Summary**

**Deployment:** C:\oracle\Middleware\Oracle\_SOA1\soa\thirdparty\ApplicationAdapters\ibse.war

**Name:** ibse

**Staging mode:** Use the defaults defined by the chosen targets

**Security Model:** DDOnly: Use only roles and policies that are defined in the deployment descriptors.

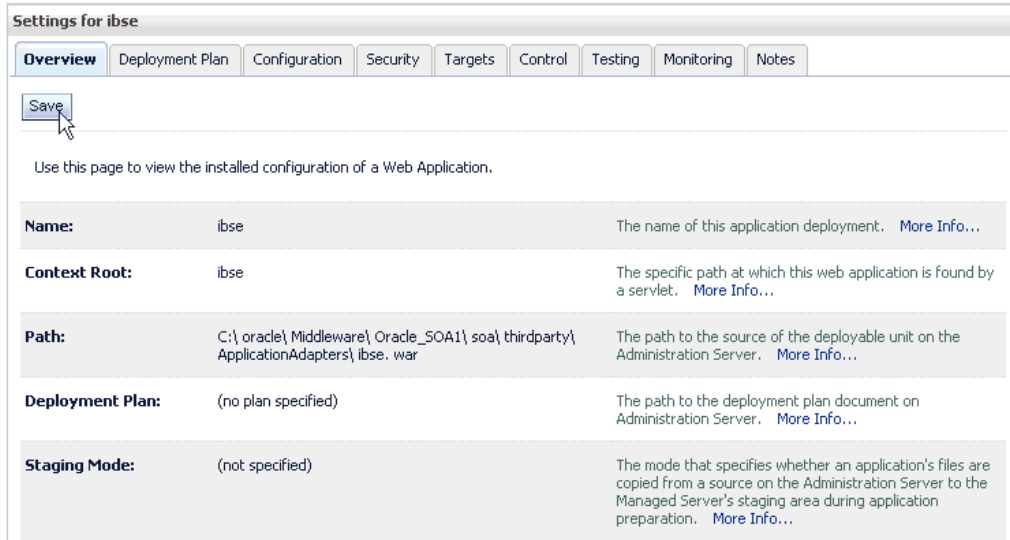
**Target Summary**

Components	Targets
ibse	soa_server1

Back Next Finish Cancel

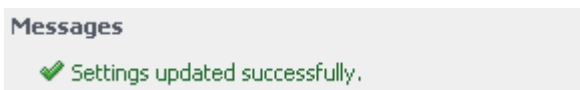
11. Click **Finish**.

The Settings page for the BSE (ibse) Application opens.



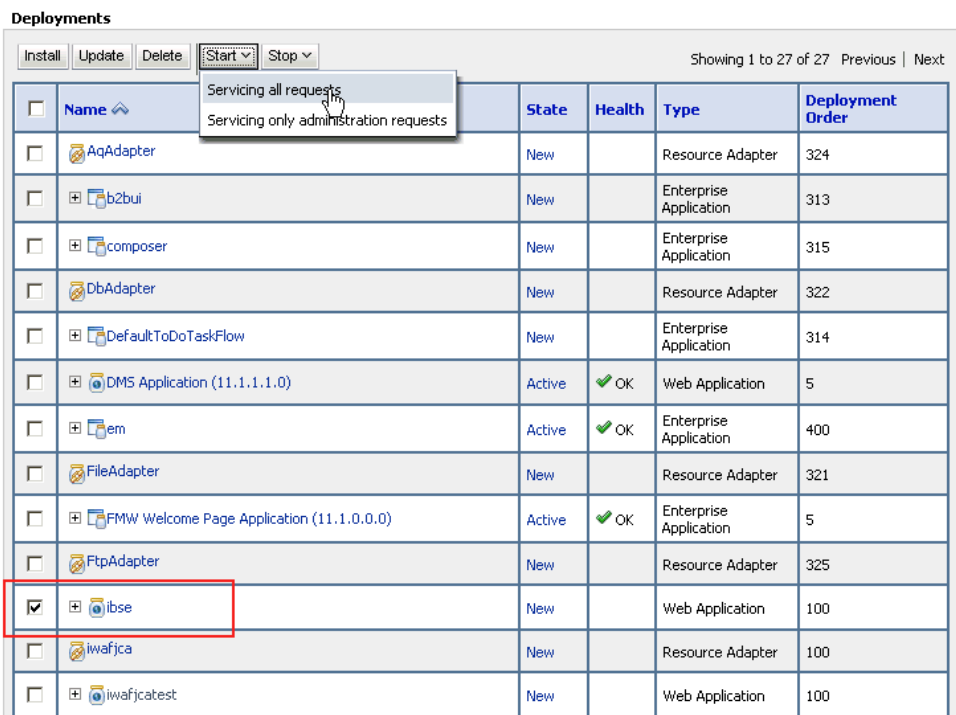
12. Click **Save**.

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



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

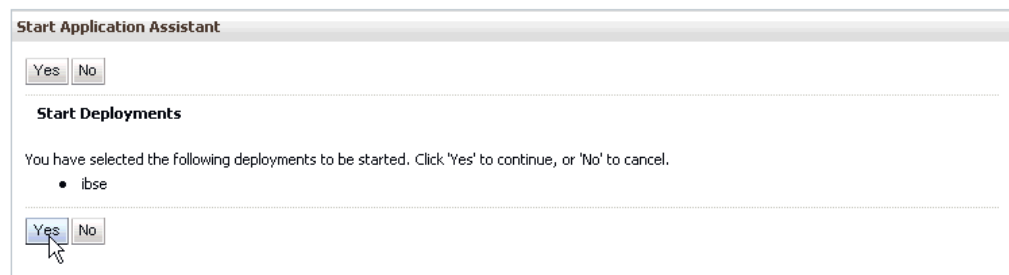
14. Navigate through the table that lists all the deployed applications until you find the BSE (ibse) Application.



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

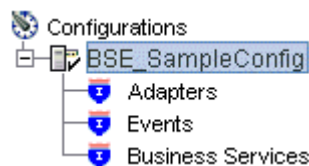
To connect to a new BSE configuration:

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:

- [Copying the Library Files](#)
- [Directory Structure](#)
- [Starting Application Explorer](#)
- [Configuring the Database Repository for J2CA](#)
- [Configuring the Database Repository for BSE](#)

If you installed the Oracle WebLogic Server Application Adapter for PeopleSoft, see [Appendix A, "Configuring Oracle Application Adapter for PeopleSoft"](#). If you installed the Oracle WebLogic Server Application Adapter for J.D. Edwards OneWorld, see [Appendix B, "Configuring Oracle Application Adapter for J.D. Edwards OneWorld"](#).

---

---

**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.

---

---

## 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
```



Adapter	Library Files
Oracle Application Adapter for J.D. Edwards OneWorld	<p>J.D. Edwards OneWorld Java-based ThinNet API</p> <p>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.</p> <p>On the J.D. Edwards OneWorld system, these library files are located in the following folder:</p> <pre>\\system\classes</pre> <p>For XE (B7333):</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ Kernel.jar</li> </ul> <p>For ERP 8.0 (B7334):</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ Kernel.jar</li> </ul> <p>For EnterpriseOne 8.9 (B9):</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ Kernel.jar</li> <li>■ jdeutil.jar</li> <li>■ log4j.jar</li> </ul> <p>For EnterpriseOne 8.10:</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ Kernel.jar</li> <li>■ jdeutil.jar</li> <li>■ log4j.jar</li> </ul> <p>For EnterpriseOne 8.11 (SP1 and Tools Release 8.95):</p> <ul style="list-style-type: none"> <li>■ Base_JAR.jar</li> <li>■ Connector.jar</li> <li>■ JdeNet_JAR.jar</li> <li>■ log4j.jar</li> <li>■ System_JAR.jar</li> </ul> <p>For EnterpriseOne 8.12 (Tools Release 8.96.2.0):</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ log4j.jar</li> <li>■ Base_JAR.jar</li> <li>■ EventProcessorer_EJB.jar</li> <li>■ EventProcessorer_JAR.jar</li> <li>■ JdeNet_JAR.jar</li> <li>■ System_JAR.jar</li> </ul> <p>For EnterpriseOne 9.0 (Tools Release 8.98.1.3):</p> <ul style="list-style-type: none"> <li>■ Connector.jar</li> <li>■ log4j.jar</li> <li>■ Base_JAR.jar</li> <li>■ EventProcessorer_EJB.jar</li> <li>■ EventProcessorer_JAR.jar</li> <li>■ JdeNet_JAR.jar</li> <li>■ System_JAR.jar</li> <li>■ commons-httpclient-3.0.jar</li> <li>■ jmxri.jar</li> <li>■ ManagementAgent_JAR.jar</li> </ul>

Adapter	Library Files
Oracle Application Adapter for PeopleSoft	<ul style="list-style-type: none"> <li data-bbox="638 222 1308 443"> <p>■ PeopleSoft Java Object Adapter file (<code>psjoo.jar</code>)</p> <p>This file provides a low-level interface between client applications and PeopleSoft. This file is provided with PeopleSoft in the <code>PeopleSoft_home_directory/web/PSJOA</code> directory.</p> <p>The <code>psjoo.jar</code> file is different for every version of PeopleSoft. When you upgrade your PeopleTools release, ensure that you copy the <code>psjoo.jar</code> file for the new release into the <code>lib</code> directory and restart all components.</p> </li> <li data-bbox="638 453 1308 537"> <p>■ <code>pstools.properties</code></p> <p>This file is required for PeopleTools 8.1x. This file belongs in the <code>PeopleSoft_home_directory/web/jmac</code> directory.</p> </li> </ul> <p>The <code>.jar</code> file for the PeopleSoft Generated JAVA APIs must also be copied to the following directory:</p> <p><code>ORACLE_HOME\soa\thirdparty\ApplicationAdapters\lib</code></p> <p>Refer to <i>Oracle Application Server Adapter for PeopleSoft User's Guide</i> for any additional steps required for PeopleSoft.</p>

Adapter	Library Files
Oracle Application Adapter for SAP R/3	<p>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 <code>sapjco.jar</code>.</p> <p>Information on the current set of SAP connectors is available at <a href="http://service.sap.com/connectors">http://service.sap.com/connectors</a>.</p> <p>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.</p> <p>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.</p> <p><b>Note: All operating systems:</b> You must place the <code>sapjco.jar</code> file in the <code>C:\oracle\Middleware\home_0309\user_projects\domains\base_domain\lib</code> directory. Then, you must add the <code>sapjco.jar</code> to the Oracle Application Server classpath.</p> <p>On Windows, <code>librfc32.dll</code> should be placed in the <code>%WINDIR%\system32</code> directory and <code>sapjcorfc.dll</code> should be placed in the same directory as <code>sapjco.jar</code>. On other platforms, use the corresponding location. These library files vary by operating system. For example:</p> <p>Linux/Solaris/OS400:</p> <ul style="list-style-type: none"> <li>▪ <code>libsapjcorfc.so</code></li> <li>▪ <code>librfccm.so</code></li> </ul> <p>HP-UX:</p> <ul style="list-style-type: none"> <li>▪ <code>librfccm.sl</code></li> <li>▪ <code>libsapjcorfc.sl</code></li> </ul> <p>AIX:</p> <ul style="list-style-type: none"> <li>▪ <code>librfccm.so</code></li> <li>▪ <code>libsapjcorfc.so</code></li> </ul> <p>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:</p> <p>AIX:</p> <ul style="list-style-type: none"> <li>▪ <code>LIBPATH</code></li> </ul> <p>HP-UX:</p> <ul style="list-style-type: none"> <li>▪ <code>SHLIB_PATH</code></li> </ul> <p>Other UNIX Platforms</p> <ul style="list-style-type: none"> <li>▪ <code>LD_LIBRARY_PATH</code></li> </ul> <p><b>Solaris:</b> The following are the two supported methods for specifying the SAP library files:</p> <ul style="list-style-type: none"> <li>▪ Copy the SAP JCo files (<code>sapjco.jar</code>, <code>librfccm.so</code>, and <code>libsapjcorfc.so</code>) to <code>jdk/jre/lib/sparc/server</code></li> <li>▪ Copy the SAP JCo files to <code>/usr/j2sdk1.4.2_09/jre/lib/sparcv9/server</code></li> </ul> <p>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.</p> <p>Refer to <i>Oracle Application Server Adapter for SAP User's Guide</i> for any additional steps required for SAP R/3.</p>

Adapter	Library Files
Oracle Application Adapter for Siebel	<p>For Siebel 6.3.x and later, the Siebel Java Data Bean API, which is distributed as .jar files with the Siebel Thin Client</p> <p>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:</p> <p>On the Siebel system, these library files are located in the following folder:</p> <pre data-bbox="639 428 967 449">&lt;siebel_home&gt;\siebsrvr\CLASSES</pre> <p>For Siebel 6.3.x:</p> <ul style="list-style-type: none"> <li>▪ SiebelTcOM.jar</li> <li>▪ SiebelTcCommon.jar</li> <li>▪ SiebelTC_enu.jar</li> <li>▪ SiebelDataBean.jar</li> </ul> <p>For Siebel 7.0.3:</p> <ul style="list-style-type: none"> <li>▪ SiebelJI_Common.jar</li> <li>▪ SiebelJI_enu.jar</li> </ul> <p>For Siebel 7.5.2:</p> <ul style="list-style-type: none"> <li>▪ SiebelJI_Common.jar</li> <li>▪ SiebelJI_enu.jar</li> <li>▪ SiebelJI.jar</li> </ul> <p>For Siebel 7.7 - 8.0:</p> <ul style="list-style-type: none"> <li>▪ SiebelJI_enu.jar</li> <li>▪ Siebel.jar</li> </ul> <p>The Siebel COM-based API (Windows only) requires the Siebel Thin Client to be installed and accessible to the Siebel adapter.</p> <p><b>Note:</b> The following previously listed files are for English language installations:</p> <ul style="list-style-type: none"> <li>▪ SiebelTC_enu.jar</li> <li>▪ SiebelJI_enu.jar</li> </ul> <p>For non-English installations, the last three letters (_enu) vary.</p> <p>If you are using the MQ Series as a transport, then you must use com.ibm.mq.jar file.</p> <p>Refer to <i>Oracle Application Server Adapter for Siebel User's Guide</i> for any additional steps required for Siebel.</p>

## 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 2–1 Packaged Application Adapter Directory Structure**

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

**Table 2–1 (Cont.) Packaged Application Adapter Directory Structure**

Subdirectory	Description
iwafjca.rar	Contains the J2CA application and repository configuration
iwafjca.war	Contains the J2CA Installation Verification Program (IVP)
lib	Contains library files and the iWay Adapter Framework files
tools	Contains the Application Explorer graphical user interface

### 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\iwaeb\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 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 **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 **jcctransport.properties** file and save it in the following directory:

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

---



---

**Note:** The **jcctransport.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 **jcctransport.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\o
jdbc14.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\o
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.

Property Name	Property Value
<b>System</b>	
Language	English
Adapter Lib Directory	../base_domain/lib
Encoding	UTF-8
Debug Level	DEBUG
Number of Async. Processors	0

**4. Configure the system settings.**

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

Parameter	Description
Language	Specify the required language.
Adapter Lib Directory	Enter the full path to the directory where the adapter jar files reside.
Encoding	Only UTF-8 is supported.
Debug Level	Specify the debug level from the following options: <ul style="list-style-type: none"> <li>■ None</li> <li>■ Fatal</li> <li>■ Error</li> <li>■ Warning</li> <li>■ Info</li> <li>■ Debug</li> </ul>
Number of Async. Processors	Select the number of asynchronous processors.

**5. Configure the repository settings.**



The following image shows all fields and check boxes for the Repository pane.

**Repository**

Repository Type: File System

Repository Url: file://C:\oracle\Middleware\home\_03

Repository Driver: [Empty]

Repository User: [Empty]

Repository Password: [Empty]

Repository Pooling:

Save

**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.

Parameter	Description
Repository Type	Select the following repositories from the list: <ul style="list-style-type: none"> <li>Oracle</li> <li>File (Do not use for BSE in production environments.)</li> </ul>
Repository URL	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
Repository Driver	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
Repository User	Enter a valid user ID to use when opening a connection to the database.
Repository Password	Enter a valid password that is associated with the user ID.
Repository Pooling	If selected, repository pooling is used. This option is disabled by default.

**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**.

---

---

# Configuring Oracle Application Adapter for PeopleSoft

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_SOA1\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_SOA1\soa\thirdparty\ApplicationAdapters\etc\peoplesoft` to the following locations:
  1. `C:\oracle\Middleware\home_GA\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\lib`

2. `C:\oracle\Middleware\home_GA\Oracle_SOA1\soa\thirdparty\ApplicationAdapters\iwafjca.rar`

After changing the contents of the lib directory, restart all components (for example, Application Explorer and the SOA Server).

## 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:

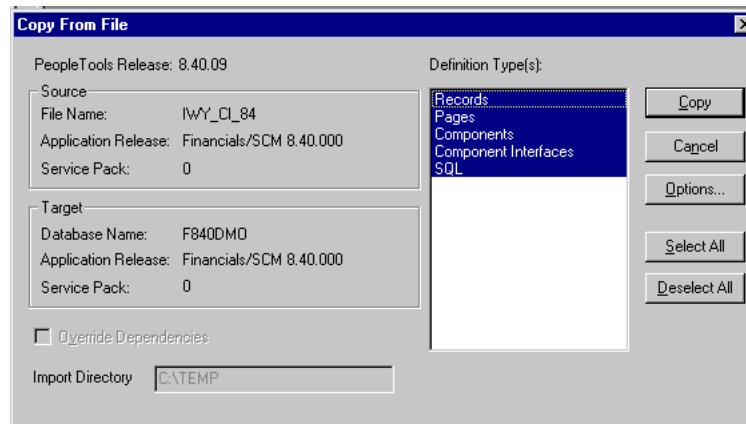
1. Unzip `iwpsci81.zip` or `iwpsci84.zip` to any directory.

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.



- 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.

---

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

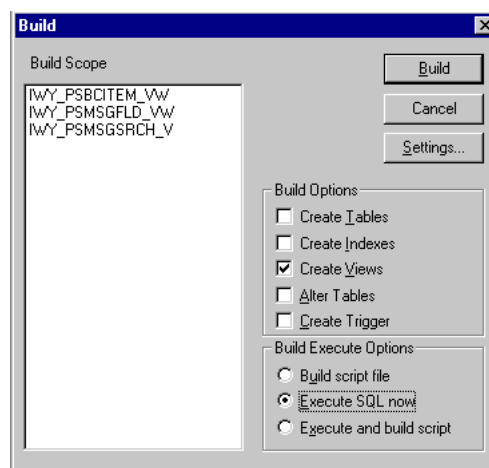
The Application Designer displays the following message, which indicates successful completion.

```
Components Application Upgrade Copy ended: 2002-10-21-13.01.38 (62.21)
Component Interfaces Application Upgrade Copy started: 2002-10-21-13.01.38 (62.6)
Component Interfaces Application Upgrade Copy ended: 2002-10-21-13.01.39 (62.21)
SQL Application Upgrade Copy started: 2002-10-21-13.01.39 (62.6)
SQL Application Upgrade Copy ended: 2002-10-21-13.01.40 (62.21)
```



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

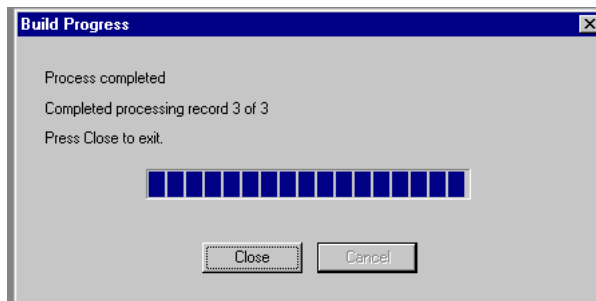
The Build dialog is displayed.



- In the Build Options pane, select **Create Views**.
- Select your site's customary option in the Build Execute Options pane. (In the previous figure, Execute SQL now is selected.)

**10. Click Build.**

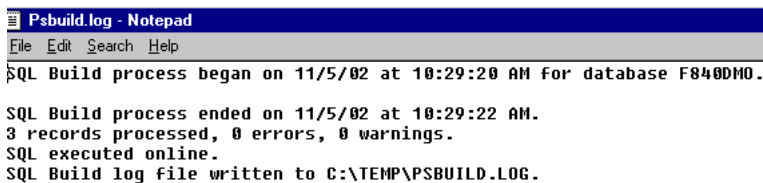
The Application Designer displays a Build Progress status window.



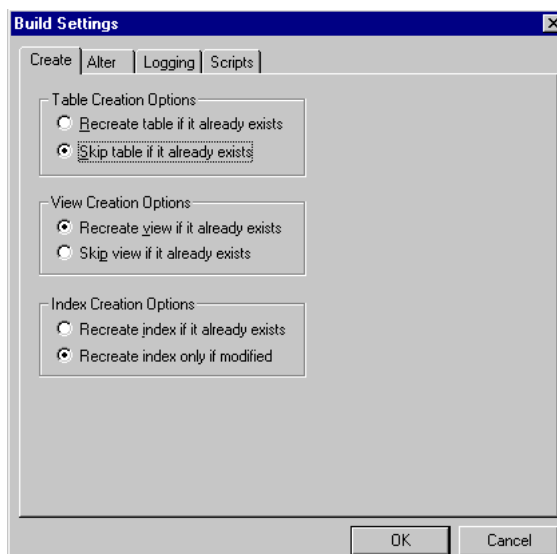
You can use your native SQL Tool to view the records from the generated view to ensure that they have been created correctly.

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

The PSBUILD log file appears.

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

The Build Settings dialog is displayed.



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.

### Permission Lists

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Value [Add a New Value](#)

Search by:  begins with

[Advanced Search](#)

### Search Results

Only the first 300 results can be displayed. Enter more information above and search again to reduce the number of search results.

[View All](#) First  [Last](#)

Permission List	Description
<a href="#">AEAE1000</a>	Environments Management
<a href="#">AEPNLS</a>	AEPNLS: clone of ALLPNLS
<a href="#">ALLPAGES</a>	ALLPAGES
<a href="#">ALLPORTL</a>	All Portal
<a href="#">AMPNLS</a>	(blank)
<a href="#">AMSYSTEM</a>	(blank)
<a href="#">APPNLS</a>	(blank)
<a href="#">APPSRVR</a>	Can start application server
<a href="#">BDPNLSA</a>	(blank)
<a href="#">BDPNLSS</a>	(blank)
<a href="#">BIPNLS</a>	Billing Panels
<a href="#">CPAE1000</a>	Application Environment
<a href="#">CPEO1000</a>	Enterprise Objects

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

General [Pages](#) [PeopleTools](#) [Process](#) [Sign-on Times](#)

- Click the **Component Interfaces** tab.
- To add a new row to the Component Interfaces list, select the plus sign (+).
- Enter or select **IWY\_CI\_ATTRIBUTES Component Interface** and click **Edit**.
- To set the Get and Find methods to Full Access, click **Full Access (All)**.
- Click **OK**.
- Repeat steps 5 through 8 for the IWY\_CI\_MESSAGES Component Interface.
- 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

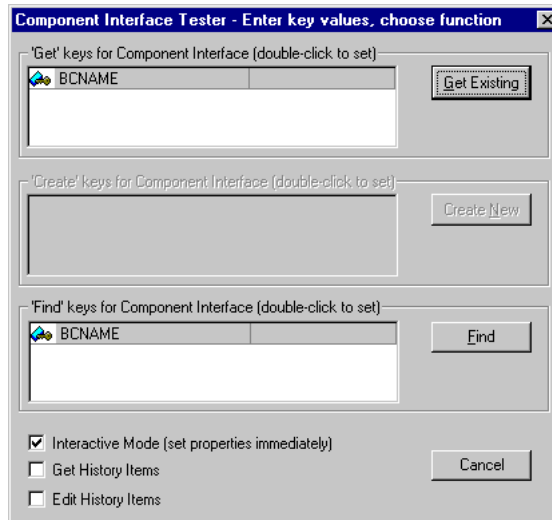
You must test each of the Oracle Application Adapter for PeopleSoft Component Interfaces before using them.

To test the Component Interfaces:

- In PeopleSoft Application Designer, open the IWY\_CI\_ATTRIBUTES Component Interface.
- Select **Tools**, and then **Test Component Interface**.

The Component Interface Tester dialog is displayed.





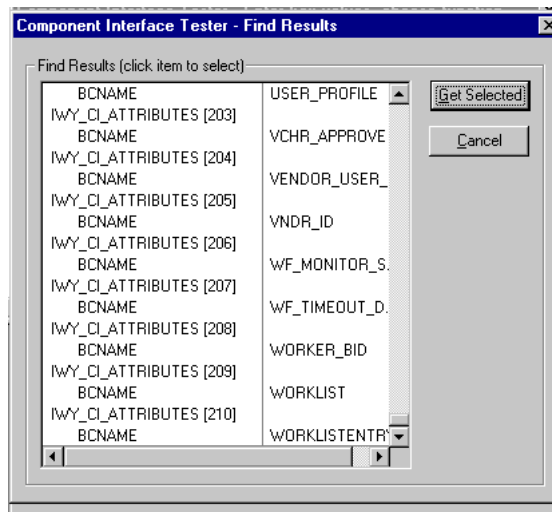

---

**Note:** The Create New option is disabled because the Add method is not applicable to this Component Interface.

---

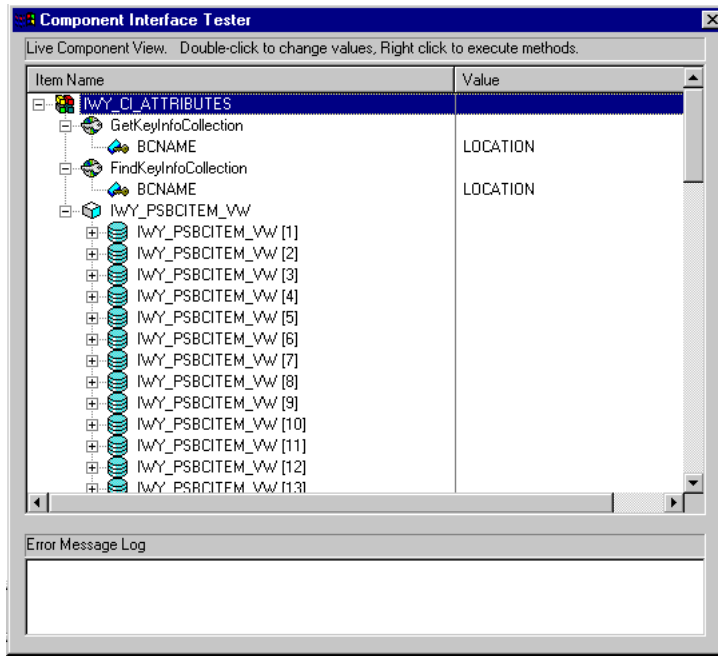
3. Click **Find**. Entries for the underlying component appear.

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

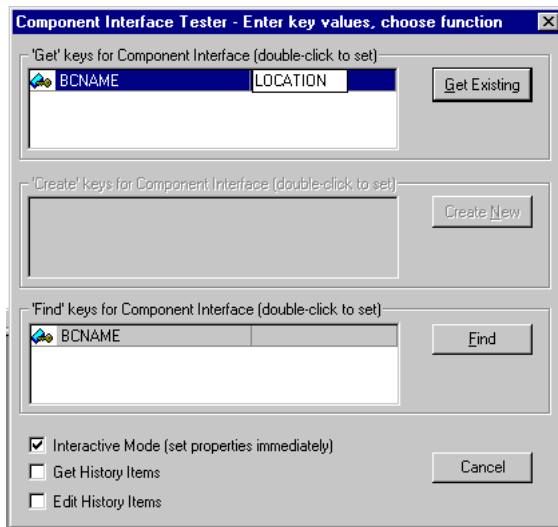


4. Highlight a line with its corresponding key in the Find Results window and click **Get Selected**. The relevant data for the selected key is displayed.

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

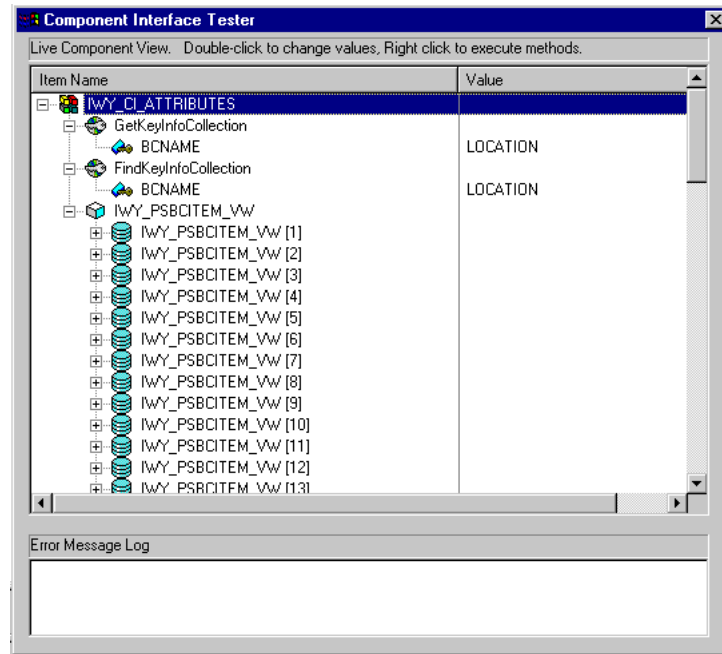


5. Click **Get Existing**. For the Get method, an existing key must be entered.



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_
SOA1\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.

### Installing the TCP/IP and HTTP Handler on a UNIX System

To install the TCP/IP and HTTP handler for PeopleSoft release 8.1 on a UNIX system:

1. Log on to the UNIX system with the proper PeopleSoft ID and permissions.
2. Navigate to the PeopleSoft Web servlets directory. This may vary by release and by Web server, but is usually:

```
$PS_HOME/webserv/servletclasses
```

3. Issue the `jar` command to extract the class files required by PeopleSoft.

This is a sample command:

```
jar -xvf /tmp/iwpsevent81.jar
```

It displays the following output on a Sun or Solaris system:

```
$ jar -xvf /tmp/iwpsevent81.jar  
created: META-INF/  
extracted: META-INF/MANIFEST.MF  
extracted: psft/pt8/tcphandler/TCPIPHandler81$Entry.class
```

```
extracted:
psft/pt8/tcphandler/TCPIPHandler81$HandlerEntry.class
extracted:
psft/pt8/tcphandler/TCPIPHandler81$PublicationHandler.class
extracted: psft/pt8/tcphandler/TCPIPHandler81.class
$
```

---

**Note:** The files are placed in a new directory, `tcphandler`, under `psft/pt8`.

---



---

---

## Configuring Oracle Application Adapter for J.D. Edwards OneWorld

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:

```
[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:

Operating System	Call Object dispatch DLLName	XML Trans dispatch DLLName
AS400	XMLCALLOBJ	XMLTRANS
HP9000B	libxmlcallobj.sl	libxmltransactions.lo
Sun or RS6000	libxmlcallobj.so	Libxmltransactions.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.

---

## B.2 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`.



- 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.JDES00OUT=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:

```
\\JDEwards\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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