

Oracle® Fusion Middleware
Installation Guide for Application Developer
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Preface

The *Oracle Fusion Middleware Installation Guide for Application Developer* provides information and instructions for installing, configuring, troubleshooting, and removing Application Developer.

Intended Audience

This guide is intended for users who are installing Oracle Fusion Middleware for the first time and are comfortable running some system administration operations, such as creating users and groups, adding users to groups, and installing operating system patches on the computer where your components will be installed. Users on UNIX systems who are installing need `root` access to run some scripts.

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<http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

Related Documents

For additional information, see the following manuals:

- *Oracle Fusion Middleware Installation Planning Guide*
- *Oracle Fusion Middleware Administrator's Guide*
- *Oracle Fusion Middleware Concepts*
- *Oracle Fusion Middleware High Availability Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Installing Application Developer

This chapter describes how to install Application Developer.

The following topics are covered in this chapter:

- Section 1.1, "Preparing to Install"
- Section 1.2, "Installation Instructions"

1.1 Preparing to Install

Make sure you have read "Before you Begin" in *Oracle Fusion Middleware Installation Planning Guide* before you install Oracle Application Developer.

1.1.1 Creating Database Schemas

Oracle Application Developer includes Oracle WSM Policy Manager and Oracle WSM-PM Extension. These components require that the MDS schema exists in your database prior to installation. You must run Repository Creation Utility (RCU) to create the MDS schema in your database. Follow the instructions in "Creating Schemas" in *Oracle Fusion Middleware Repository Creation Utility User's Guide* to do so.

1.1.2 Installing an Application Server

Oracle Application Server requires an application server. The following application servers are supported:

- Oracle WebLogic Server
- IBM WebSphere

See the *System Requirements and Supported Platforms for Oracle Fusion Middleware 11gR1 Document* to determine the exact version required for your installation. This document is located on the "Oracle Fusion Middleware Supported System Configurations" page:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>

If you are using Oracle WebLogic Server:

1. See "Product Distribution" in *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server* for instructions on how to download the latest Oracle WebLogic Server.
2. See "Running the Installation Program in Graphical Mode" in *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server* for installation instructions.

If you are using IBM WebSphere, please refer to the *Oracle Fusion Middleware Third-Party Application Server Guide* for installation instructions and important information.

1.2 Installation Instructions

When you run the installer, Application Developer is installed onto your system. After the product is installed, you must run the Fusion Middleware Configuration Wizard to configure your components.

This section contains the following topics:

- Section 1.2.2, "Starting the Installer"
- Section 1.2.3, "Installation Log Files"
- Section 1.2.4, "Inventory Screens (UNIX Only)"
- Section 1.2.5, "Installation Screens and Instructions"

1.2.1 Obtaining the Software

See "Obtain the Oracle Fusion Middleware Software" in *Oracle Fusion Middleware Installation Planning Guide* for information on where to obtain the software.

Select one of the download locations and download "Application Development Runtime." This will be saved to your system as a .zip archive file.

After you download the archive file, unpack the archive file into a directory of your choice on the machine where you will be performing the installation.

1.2.2 Starting the Installer

To start the installer, go to the directory where you unpacked the archive file and switch to the `Disk1` directory.

On UNIX operating systems:

```
cd unpacked_archive_directory/Disk1
./runInstaller -jreLoc JRE_LOCATION
```

On Windows operating systems:

```
cd unpacked_archive_directory\Disk1
setup.exe -jreLoc JRE_LOCATION
```

The installer requires the full path to the location of a Java Runtime Environment (JRE) on your system. When you installed Oracle WebLogic Server, a JRE was installed on your system in the `jdk160_20` directory inside the Middleware home. You can use this location as the `JRE_LOCATION` to start the installer.

On 64-bit platforms, the JRE location is the `JAVA_HOME` you used to install Oracle WebLogic Server.

If you do not specify the JRE location with the `-jreLoc` option, you will be prompted to provide the location of your JRE before the installer is started. For example, on a UNIX operating system:

```
[> ./runInstaller
Starting Oracle Universal Installer...
```

```
Checking if CPU speed is above 300 MHz.    Actual 2999 MHz    Passed
```

```

Checking Temp space: must be greater than 150 MB.   Actual 66070 MB   Passed
Checking swap space: must be greater than 512 MB.   Actual 4047 MB   Passed
Checking monitor: must be configured to display at least 256 colors.   Actual 256
Passed
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2010-02-23_
10-57-58AM. Please wait ...
Please specify JRE/JDK location ( Ex. /home/jre ), <location>/bin/java should
exist :

```

Specify the full path to the JRE on your system before you continue.

Note: If you are installing Oracle Application Developer on a 64-bit UNIX or Windows operating system with a 32-bit JDK, you must specify the *JRE_LOCATION* using the `-jreLoc` option from the command line. The option to provide your *JRE_LOCATION* at the prompt is not supported in such cases, and the installer will not start.

1.2.3 Installation Log Files

The installer writes logs files to the *Oracle_Inventory_Location/log* (on UNIX operating systems) or *Oracle_Inventory_Location\logs* (on Windows operating systems) directory. Refer to Section D.2.1, "Installation Log Files" for more information about the log files and their contents.

1.2.4 Inventory Screens (UNIX Only)

If you are installing on a UNIX system, and if this is the first time any Oracle product is being installed on your system with the Oracle Universal Installer, you will be asked to provide the location of an inventory directory. This is where the installer will set up subdirectories and maintain inventory data for each Oracle product that is installed on this system.

Follow the instructions in Table 1–1 to configure the inventory directory information. For more help, click on the screen name in the table below, or click the **Help** button in the GUI.

Table 1–1 *Inventory Directory and Group Screens*

No.	Screen	Description and Action Required
1	Specify Inventory Directory Screen (UNIX Only)	Specify the Oracle inventory directory and group permissions for that directory. The group must have write permissions to the Oracle inventory directory. Click OK to continue.
2	Inventory Location Confirmation Screen (UNIX Only)	Run the <code>createCentralInventory.sh</code> script as root. Click OK to continue.

1.2.5 Installation Screens and Instructions

Follow the instructions in Table 1–2 to install the Application Developer software.

If you need additional help with any of the installation screens, refer to Appendix A, "Application Developer Installation Screens" or click **Help** to access the online help.

Table 1–2 Installation Flow for Application Developer Installation

No.	Screen	Description and Action Required
1	Welcome Screen	Click Next to continue.
2	Install Software Updates Screen	Select the method you want to use to receive software updates. Click Next to continue.
3	Prerequisite Checks Screen	Click Next to continue.
4	Specify Installation Location Screen	Specify the Middleware home location. The Oracle Common home (oracle_common) will automatically be created inside the Middleware home. If you are using Oracle WebLogic Server as the application server, use the existing Middleware home that was created when you installed Oracle WebLogic Server. If you are using IBM WebSphere as the application server, specify a directory that you want to use as the Middleware home. This directory has no relation to the location of your WebSphere installation. If you specify a directory location that does not already exist, the installer will create the directory for you. Click Next to continue.
5	Application Server Screen	Select whether you want to use WebSphere or WebLogic Server as the application server. Click Next to continue.
6	Installation Summary Screen	Verify the installation about to be performed. Click Install to continue.
7	Installation Progress Screen	This screen shows the progress of the installation. When the process is 100% complete, click Next to continue.
8	Installation Complete Screen	Click Finish to dismiss the screen.

After the installation is complete, you are ready to run the Configuration Wizard to configure your domain for Oracle Application Developer products. Go to Chapter 2, "Configuring Application Developer" for instructions.

Configuring Application Developer

This chapter describes how to configure Application Developer and create or extend a WebLogic Domain after the software has already been installed or patched to the latest version.

The following topics are covered:

- Section 2.1, "Configuration Instructions"
- Section 2.2, "Starting the Administration Server"
- Section 2.3, "Verifying the Installation"

2.1 Configuration Instructions

After the installation is complete, you can configure the components using the Fusion Middleware Configuration Wizard. The instructions in this section describe how to do so.

This section contains the following content:

- Starting the Configuration Wizard
- Configuration Log Files
- Creating a New Domain
- Extending an Existing Domain

2.1.1 Starting the Configuration Wizard

The Configuration Wizard is located in the `common/bin` directory inside the product Oracle home. To start the Configuration Wizard:

On UNIX operating systems:

```
cd MW_HOME/oracle_common/common/bin
./config.sh
```

On Windows operating systems:

```
cd MW_HOME\oracle_common\common\bin
config.cmd
```

If this is a new installation and you need to create a new WebLogic domain, follow the instructions in Section 2.1.3, "Creating a New Domain". You can also run the Configuration Wizard to extend an existing WebLogic domain, as described in Section 2.1.4, "Extending an Existing Domain".

If you are using a 32-bit operating system, Oracle JRockit SDK is installed as part of the Oracle WebLogic installation. This is the JDK that the Configuration Wizard will use by default. If you want to invoke the Configuration Wizard with the Sun JDK, do the following prior to starting the Configuration Wizard:

1. Set the `JAVA_HOME` environment variable to the location of the Sun JDK. For example, you can set it to the Sun JDK that was installed with Oracle WebLogic Server in the `MW_HOME/jdk160_21` (on UNIX operating systems) or `MW_HOME\jdk160_21` (on Windows operating systems) directory.
2. Set the `JAVA_VENDOR` environment variable to "Sun".

2.1.2 Configuration Log Files

To create a log file for your configuration session, use the `-log=log_filename` parameter when you start the Configuration Wizard.

On UNIX operating systems:

```
./config.sh -log=log_filename
```

On Windows operating systems:

```
config.cmd -log=log_filename
```

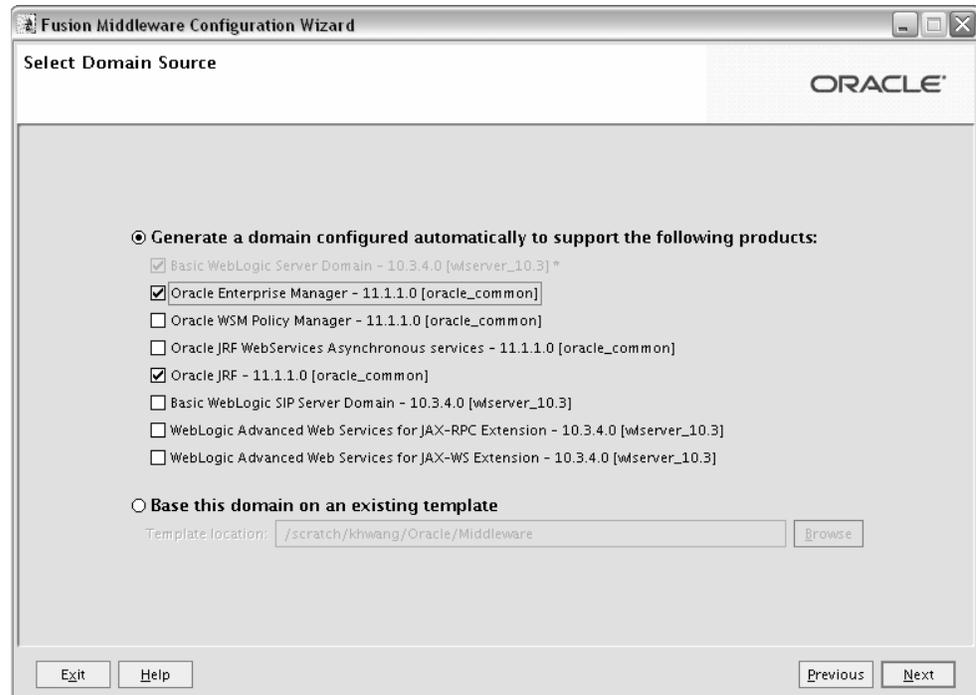
Log files of your configuration session are created in the `MW_HOME/oracle_common/common/bin` (on UNIX operating systems) or `MW_HOME\oracle_common\common\bin` (on Windows operating systems) directory. For more information about the Configuration Wizard log files, see Section D.2.2, "Configuration Log Files".

2.1.3 Creating a New Domain

Follow the instructions in "Creating a WebLogic Domain" in *Oracle Fusion Middleware Creating Domains Using the Configuration Wizard* to create a new WebLogic domain for your Oracle Application Developer components.

2.1.3.1 Configuring Oracle Enterprise Manager

If you want to configure Oracle Enterprise Manager in your domain, you must select "Oracle Enterprise Manager - 11.1.1.0 (oracle_common)" on the Select Domain Source screen, as shown below:

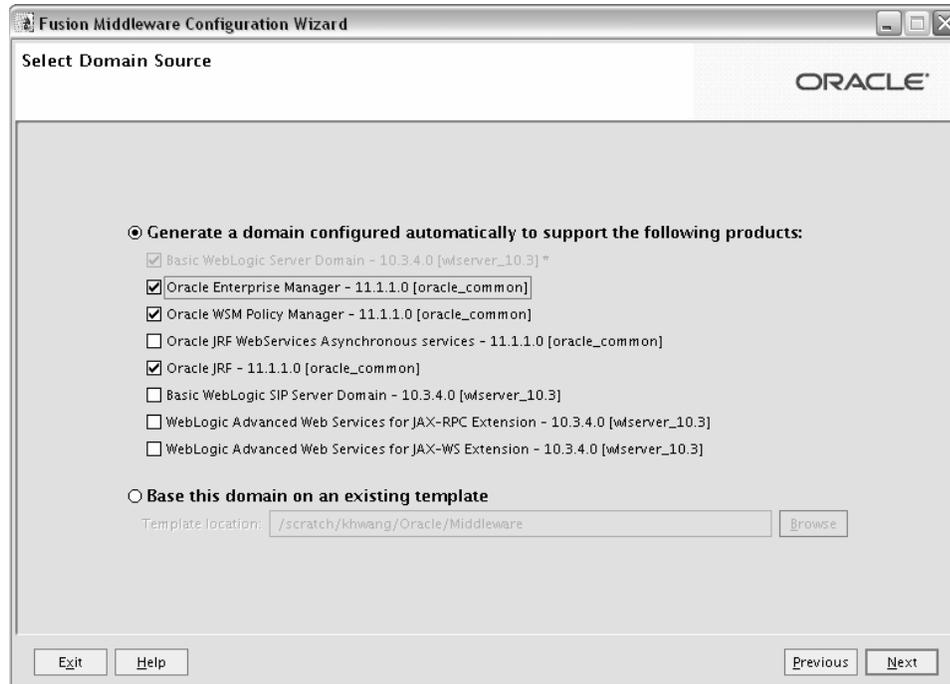


Note that "Oracle JRF - 11.1.1.0 (oracle_common)" is automatically selected as a dependency.

2.1.3.2 Configuring Oracle Web Services Manager (OWSM) Policy Manager

You can create a domain with Oracle Web Services Manager (OWSM) Policy Manager to secure JAX-WS clients and web services deployed in your environment. On the Select Domain Source screen in the Configuration Wizard, select the following options, as shown in the figure below:

- "Oracle WSM Policy Manager - 11.1.1.0 (oracle_common)"
- "Oracle Enterprise Manager - 11.1.1.0 (oracle_common)"
- "Oracle JRF - 11.1.1.0 (oracle_common)"



2.1.3.3 Applying Java Required Files (JRF)

Java Required Files (JRF) consists of those components not included in the Oracle WebLogic Server installation and that provide common functionality for Oracle business applications and application frameworks.

JRF consists of a number of independently developed libraries and applications that are deployed into a common location. The components that are considered part of Java Required Files include: Oracle Application Development Framework, Oracle Fusion Middleware Audit Framework, Dynamic Monitoring Service, Infrastructure Security, Java Object Cache, Oracle Platform Security Services, logging, MDS, Oracle Web Services, and Oracle Web Services Manager.

You must apply JRF to a Managed Server or cluster in certain circumstances. You can only apply JRF to Managed Servers that are in a domain in which JRF was configured. That is, you must have selected Oracle JRF in the Configuration Wizard when you created or extended the domain.

For more information, see "Applying Java Required Files to a Managed Server or Cluster" in *Oracle Fusion Middleware Administrator's Guide*.

2.1.3.4 Using Custom Port Numbers

By default, the servers that are created in each domain use the same set of port numbers (for example, the Administration Server uses port 7001). If you want to use custom port numbers, you can change the port number when you run the Configuration Wizard:

- The Administration Server port number can be changed on the Configure Administration Server Screen.
- The port number for all managed servers in your domain can be changed on the Configure Managed Servers Screen.

For more information about port numbers, refer to "Port Numbers" in *Oracle Fusion Middleware Administrator's Guide*.

2.1.4 Extending an Existing Domain

While creating your WebLogic domain, if you chose not to configure all of the components on the Select Domain Source Screen, you can add these components at a later date by extending your domain. If this is a first time installation or you do not want to add more components, you can skip this section and move to the next section.

Note: Before proceeding, make sure that schemas exist in your database for the components you are configuring when you extend the domain. For example, if you are planning to extend the domain and configure Oracle WSM Policy Manager, then make sure the required schema for this component (MDS) exists in your Oracle database before you continue.

Follow the instructions in "Extending a WebLogic Domain" in *Oracle Fusion Middleware Creating Domains Using the Configuration Wizard* to extend an existing domain.

2.2 Starting the Administration Server

To get your deployments up and running, you must start the Administration Server by running the `startWebLogic.sh` (on UNIX operating systems) or `startWebLogic.cmd` (on Windows operating systems) script in the directory where you created your new domain.

On UNIX systems:

```
DOMAIN_HOME/startWebLogic.sh
```

On Windows systems:

```
DOMAIN_HOME\startWebLogic.cmd
```

You entered the domain name and location on the Specify Domain Name and Location Screen in the Configuration Wizard.

2.3 Verifying the Installation

To verify the installation, start your browser and enter the following URLs:

- To access the Administration Server console:

```
http://administration_server_host:administration_server_port/console
```

- If you configured your Administration Server to accept SSL connection, use the following URL to access the Administration Server console in secure mode:

```
https://administration_server_host:secure_administration_server_port/console
```

- To access Enterprise Manager:

```
http://administration_server_host:administration_server_port/em
```

Deinstalling Application Developer

This chapter describes how to remove Application Developer and related products from your system.

You should always use the instructions provided in this chapter for removing the software. If you try to remove the software manually, you may experience problems when you try to reinstall the software again at a later time. Following the procedures in this chapter will ensure that the software is properly removed. See Section 3.2, "Reinstallation" for more information.

The following topics are covered:

- Section 3.1, "Deinstallation Instructions"
- Section 3.2, "Reinstallation"

3.1 Deinstallation Instructions

The deinstaller will attempt to remove the Oracle Home from which it was started; for Application Developer, this directory is the `oracle_common` directory. This procedure will not remove any WebLogic domains that you have created - it only removes the software in `oracle_common`.

Before you choose to remove this directory, make sure that it is not in use by an existing domain, and also make sure you stop all running processes that use the `oracle_common` directory. After you remove the software, you will no longer be able to use your WebLogic domain.

Deinstalling Application Developer properly involves the following tasks:

- Stopping Oracle Fusion Middleware
- Removing the Application Developer Schemas
- Removing Application Developer
- Manually Removing the Oracle Home Directory
- Removing Oracle WebLogic Server
- Removing Oracle JDeveloper
- Removing Program Groups (Windows Only)
- Rebooting Your System (Windows Only)

3.1.1 Stopping Oracle Fusion Middleware

Before deinstalling Oracle Fusion Middleware software components, you should stop all servers and processes.

For instructions, refer to "Starting and Stopping Oracle Fusion Middleware" in *Oracle Fusion Middleware Administrator's Guide*.

3.1.2 Removing the Application Developer Schemas

Run the Repository Creation Utility (RCU) to drop the Application Developer schemas from your database. Refer to "Dropping Schemas" in *Oracle Fusion Middleware Repository Creation Utility User's Guide* for instructions.

3.1.3 Removing Application Developer

The deinstaller will attempt to remove the `oracle_common` directory. Before you choose to remove this directory, make sure that it is not in use by an existing domain, and also make sure you stop all running processes that use `oracle_common`.

This procedure will not remove any WebLogic domains that you have created - it only removes the software in the `oracle_common` directory.

3.1.3.1 Starting the Deinstaller

Go to the `MW_HOME/oracle_common/oui/bin` (on UNIX operating systems) or `MW_HOME\oracle_common\oui\bin` (on Windows operating systems) directory and start the deinstaller.

On UNIX operating systems:

```
./runInstaller.sh -deinstall -jreLoc JRE_LOCATION
```

On Windows operating systems:

```
setup.exe -deinstall -jreLoc JRE_LOCATION
```

Note: Specify the absolute path to your `JRE_LOCATION`; relative paths are not supported.

3.1.3.2 Deinstallation Screens and Instructions

Follow the instructions in Table 3–1 to deinstall Application Developer.

If you need additional help with any of the deinstallation screens, refer to Appendix B, "Application Developer Deinstallation Screens" or click **Help** to access the online help.

Table 3–1 Deinstallation Flow

No.	Screen	Description and Action Required
1	Welcome Screen	Click Next to continue.

Table 3–1 (Cont.) Deinstallation Flow

No.	Screen	Description and Action Required
2	Deinstall Oracle Home Screen	<p>Verify the Oracle home you are about to deinstall. Click Deinstall to continue.</p> <p>On the Warning screen, select whether or not you want the deinstaller to remove the Oracle home directory in addition to removing the software. Click Yes to have the deinstaller remove the software and Oracle home, No to remove only the software, or Cancel to return to the previous screen.</p> <p>If you select No, go to Section 3.1.4, "Manually Removing the Oracle Home Directory" for instructions on how to manually remove your Oracle home directory.</p>
3	Deinstallation Progress Screen	This screen shows the progress and status of the deinstallation.
4	Deinstallation Complete Screen	Click Finish to dismiss the screen.

3.1.4 Manually Removing the Oracle Home Directory

If you selected **No** on the warning screen during deinstallation, you must manually remove your `oracle_common` directory and any sub-directories. For example, if your Oracle Common home directory was `/home/Oracle/Middleware/oracle_common` on a UNIX operating system:

```
> cd /home/Oracle/Middleware
> rm -rf oracle_common
```

On a Windows operating system, if your Oracle Common home directory was `C:\Oracle\Middleware\oracle_common`, use a file manager window and navigate to the `C:\Oracle\Middleware` directory, then right-click on the `oracle_common` folder and select **Delete**.

3.1.5 Removing Oracle WebLogic Server

Refer to "Uninstalling the Software" in *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server* for instructions on how to remove Oracle WebLogic Server.

After this is finished, you must manually remove the Middleware home directory. For example, if your Middleware home directory was `/home/Oracle/Middleware` on a UNIX operating system:

```
> cd /home/Oracle
> rm -rf Middleware
```

On a Windows operating system, if your Middleware home directory was `C:\Oracle\Middleware`, use a file manager window and navigate to the `C:\Oracle` directory, then right-click on the `Middleware` folder and select **Delete**.

3.1.6 Removing Oracle JDeveloper

If you have installed Oracle JDeveloper on your system, refer to *Oracle Fusion Middleware Installation Guide for Oracle JDeveloper* for instructions on how to remove this software from your system.

3.1.7 Removing Program Groups (Windows Only)

On Windows systems, you must also manually remove the program groups from the Start Menu\Programs folder. As an example (the folder names and program group names on your system may be different), you might remove the following from C:\Documents and Settings\All Users\Start Menu\Programs:

- Oracle Fusion Middleware 11.1.1.3.0
- Oracle WebLogic

3.1.8 Rebooting Your System (Windows Only)

On Windows operating systems, you should reboot your computer after you have finished removing all your programs to ensure proper cleanup.

3.2 Reinstallation

The installer does not allow reinstallation of Application Developer in a directory that already contains an Oracle product. To reinstall Application Developer in the same directory as before, you must follow the instructions in this chapter to uninstall the software, then follow the instructions in Chapter 1, "Installing Application Developer" to reinstall the software.

Application Developer Installation Screens

This appendix contains screenshots and descriptions for all of the Application Developer installation screens:

- Specify Inventory Directory Screen (UNIX Only)
- Inventory Location Confirmation Screen (UNIX Only)
- Welcome Screen
- Install Software Updates Screen
- Prerequisite Checks Screen
- Specify Installation Location Screen
- Application Server Screen
- Installation Summary Screen
- Installation Progress Screen
- Installation Complete Screen

A.1 Specify Inventory Directory Screen (UNIX Only)

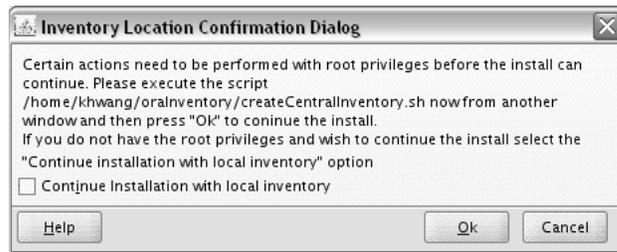


This screen appears for UNIX systems only; if this is your first Oracle installation on this host, you must specify the location of the inventory directory. This inventory directory is used by the installer to keep track of all Oracle products installed on the computer.

The default inventory location is *USER_HOME/oraInventory*.

In the **Operating System Group name** field, select the group whose members you want to grant access to the inventory directory; all members of this group will be able to install products on this system.

A.2 Inventory Location Confirmation Screen (UNIX Only)



This screen appears for UNIX systems only; you are asked to run the `inventory_directory/createCentralInventory.sh` script as root.

If you do not have root access on this system but wish to continue with the installation, select **Continue installation with local inventory**.

A.3 Welcome Screen



The Welcome screen is displayed each time you start the installer.

A.4 Install Software Updates Screen



Select the method you want to use for installing software updates.

- Skip Software Updates

You can choose to skip this option for now.

- Search My Oracle Support for Updates.

If you have a My Oracle Support account, you can specify your account name and password to have the installer automatically download applicable software updates from My Oracle Support. After entering your credentials, you can test the connection by clicking **Test Connection**. Click **Proxy Settings** if you need to configure a proxy server in order to have the installer access My Oracle Support.

Configure your proxy server with the following screen:

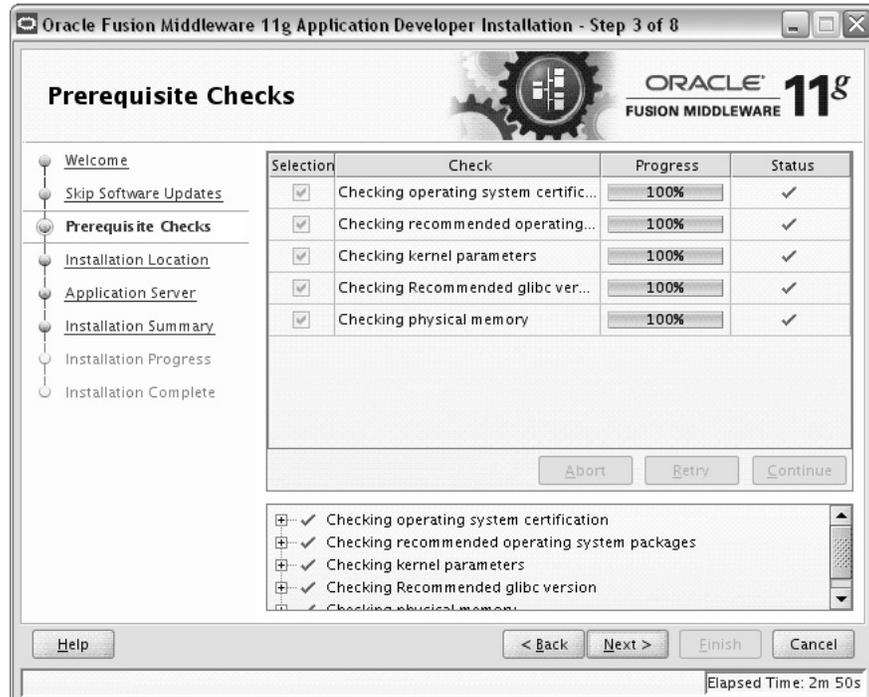


- Search Local Directory for Updates.

If you have software updates available locally, you can specify the location by using this option. When you select **Search Local Directory for Updates** an additional "Location" field will appear, as shown below:



A.5 Prerequisite Checks Screen

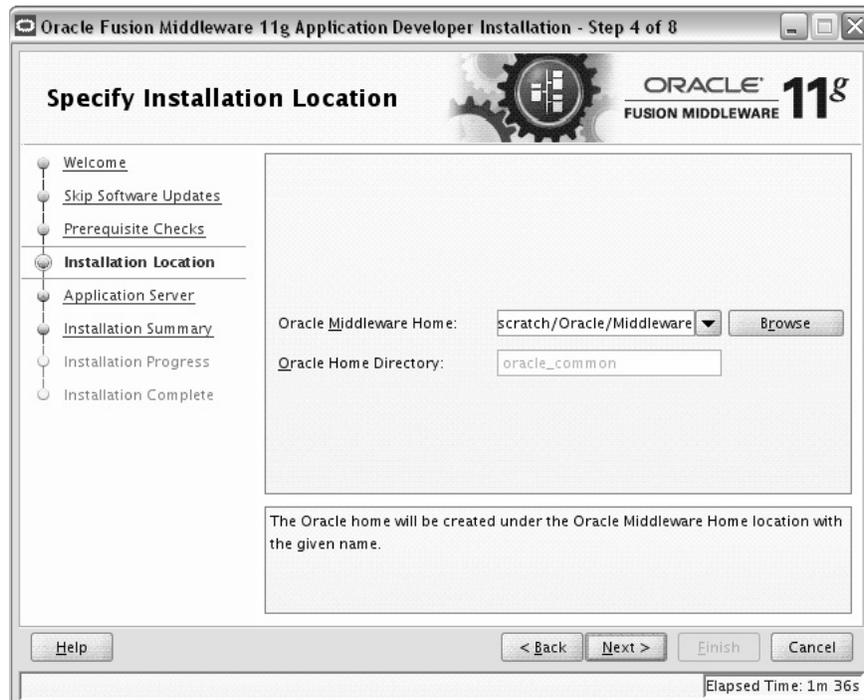


If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error and click **Retry** to try again.

If you want to ignore the error and warning messages and continue with the installation, click **Continue**.

Click **Abort** to stop prerequisite checking for all components.

A.6 Specify Installation Location Screen



Specify the directories where you want to install your software:

- **If you are using Oracle WebLogic Server as your application server:**

In the Oracle Middleware Home field, specify the absolute path to your existing Oracle Middleware home directory; this is the directory that was created when you installed Oracle WebLogic Server. If you do not know the full path to your Middleware home, you can click **Browse** to select an existing directory in your system.

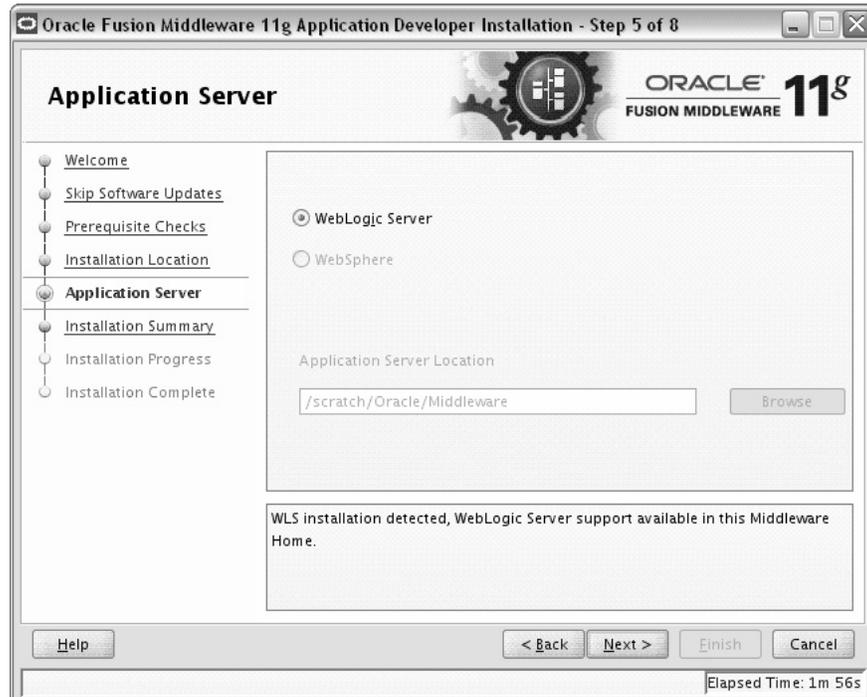
- **If you are using IBM WebSphere as your application server:**

In the Oracle Middleware Home field, specify the absolute path to the directory you want to use as the Middleware home. This directory has no relation to the location of your WebSphere installation. If you specify a directory location that does not already exist, the installer will create the directory for you.

With Application Developer, you are installing the products that are required for the Oracle Common home directory. In the Oracle Home Directory field, notice that the directory `oracle_common` is already populated and can not be changed. This directory will be created inside the location you specify for your Middleware home.

If you are performing an installation on a Windows operating system, be sure that your directory paths are valid and do not contain double backslashes (\\).

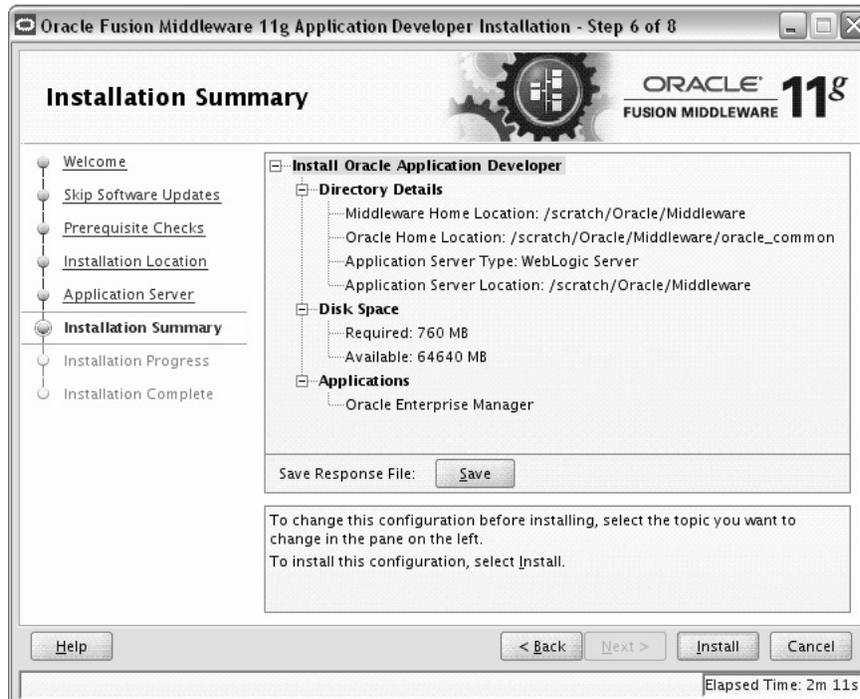
A.7 Application Server Screen



Select the application server you want to use for this installation.

- If the installer detects a Middleware home with Oracle WebLogic Server installed, then this is the application server that will be used. All other fields in this screen will be inactive.
- If the installer detects a Middleware home without an Oracle WebLogic Server installed, you must select one of the application server options and then provide its location in the Application Server Location field.
- If the installer does not detect a Middleware home directory, the "WebLogic Server" option will be inactive. You must select "WebSphere" and then provide the location of your IBM WebSphere in the Application Server Location field.

A.8 Installation Summary Screen

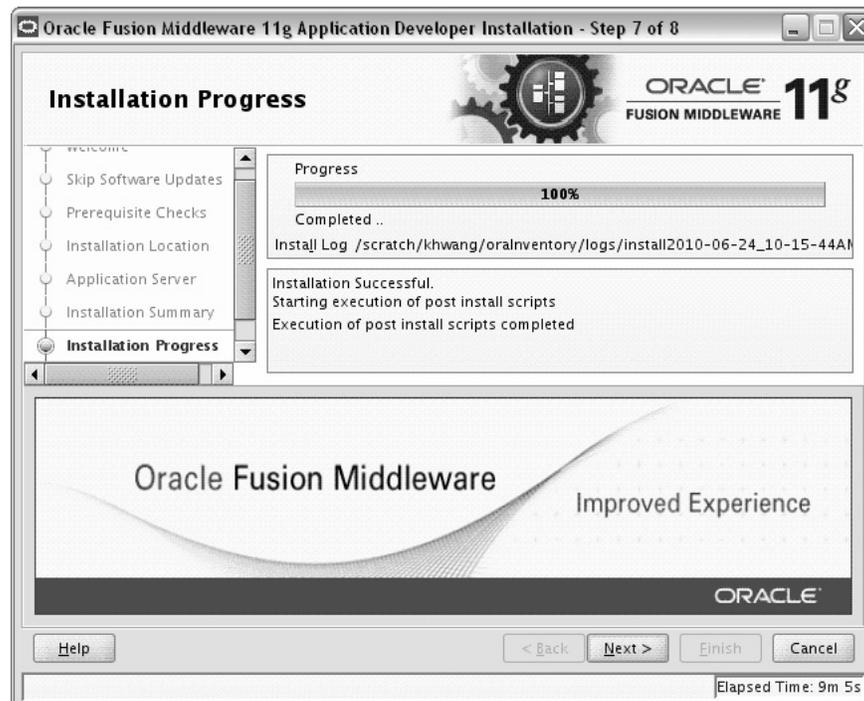


Review the information on this screen, and click **Install** to begin the installation. The operations summarized on this page will be performed when you click **Install**.

If you want to make any changes to the configuration before starting the installation, use the navigation pane and select the topic you want to edit.

If you want to save this configuration to a text file, click **Save**. This file can be used later if you choose to perform the same installation from the command line. See Appendix C, "Silent Installation" for more information.

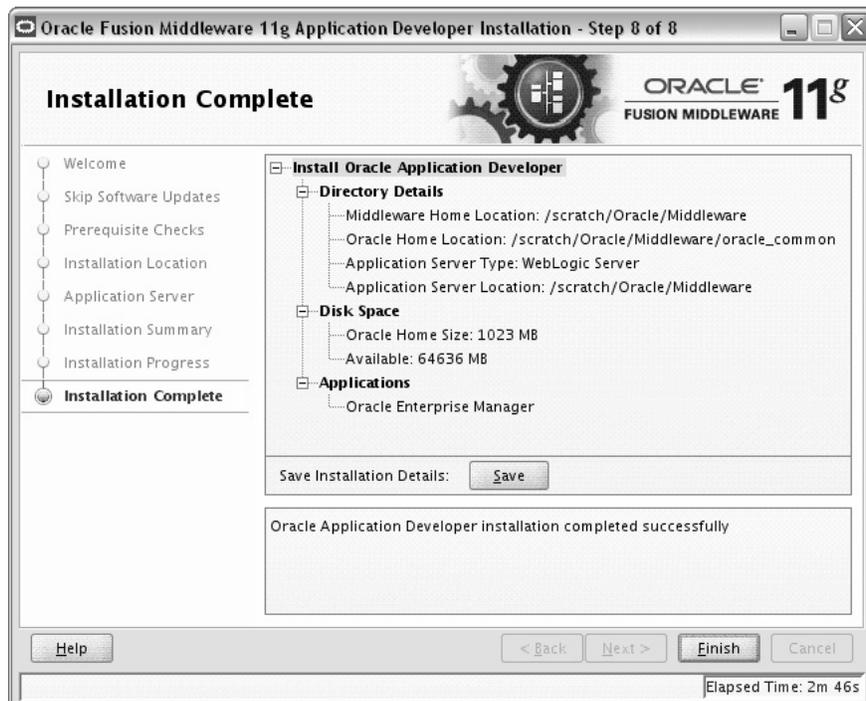
A.9 Installation Progress Screen



This screen shows you the progress of the installation.

If you want to quit before the installation is completed, click **Cancel**. Doing so will result in a partial installation; the portion of the software that was installed on your system before you click **Cancel** will remain on your system, and you will have to remove it manually.

A.10 Installation Complete Screen



This screen summarizes the installation that was just completed.

If you want to save this summary information to a text file for future reference, click **Save**.

Application Developer Deinstallation Screens

This appendix contains screenshots and descriptions for all of the Application Developer deinstallation screens:

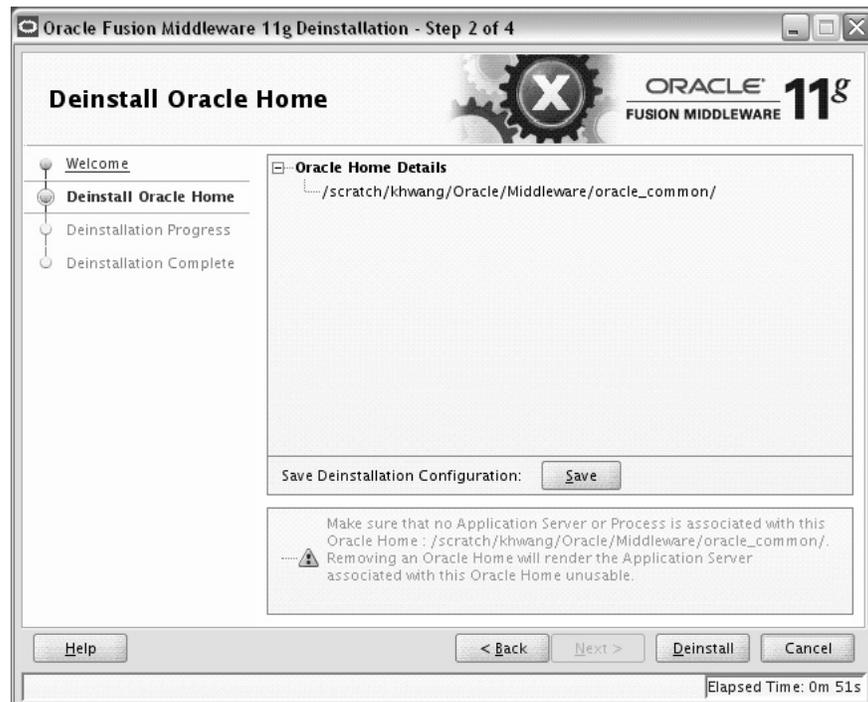
- Welcome Screen
- Deinstall Oracle Home Screen
- Deinstallation Progress Screen
- Deinstallation Complete Screen

B.1 Welcome Screen



The Welcome screen is displayed each time you start the deinstaller.

B.2 Deinstall Oracle Home Screen

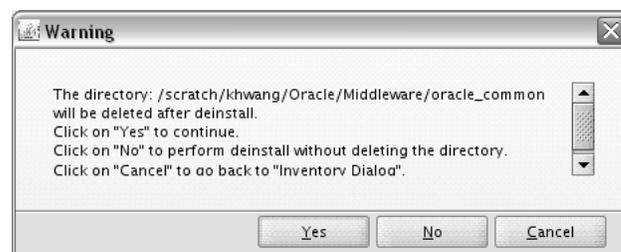


This screen shows the Oracle home directory that is about to be deinstalled. This is the Oracle home directory from which the deinstaller was started.

Note: Before you choose to remove this Oracle home, make sure that it is not in use by an existing domain.

Verify that this is the correct directory, then click **Deinstall** to continue.

The following warning screen will appear:

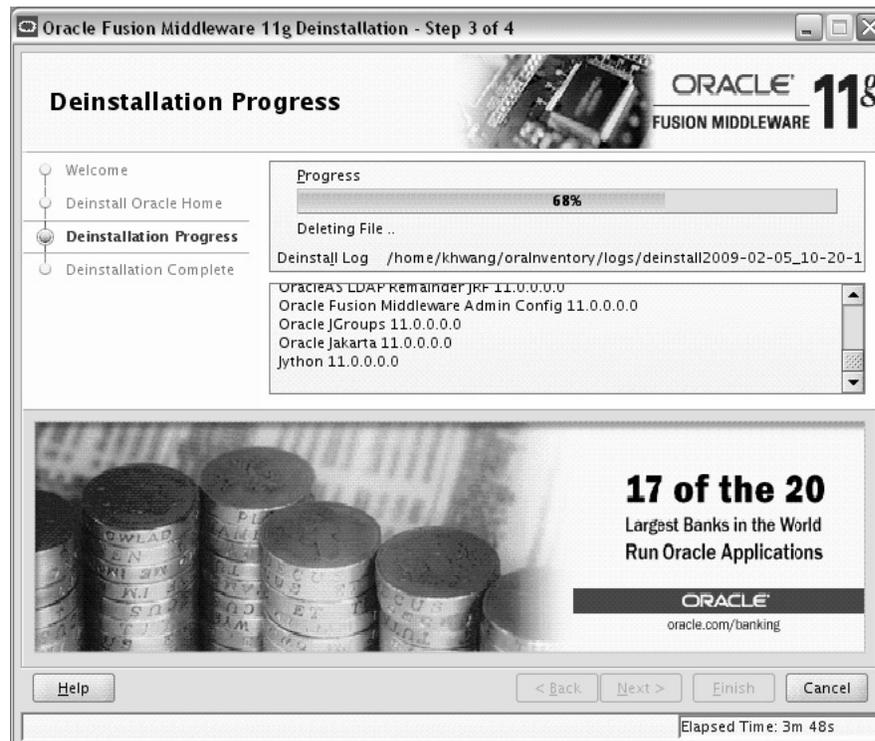


Click **Yes** to remove the software and the Oracle home directory from which the deinstaller was started.

Click **No** to remove the software but do not remove the Oracle home directory.

Click **Cancel** to return to the previous screen.

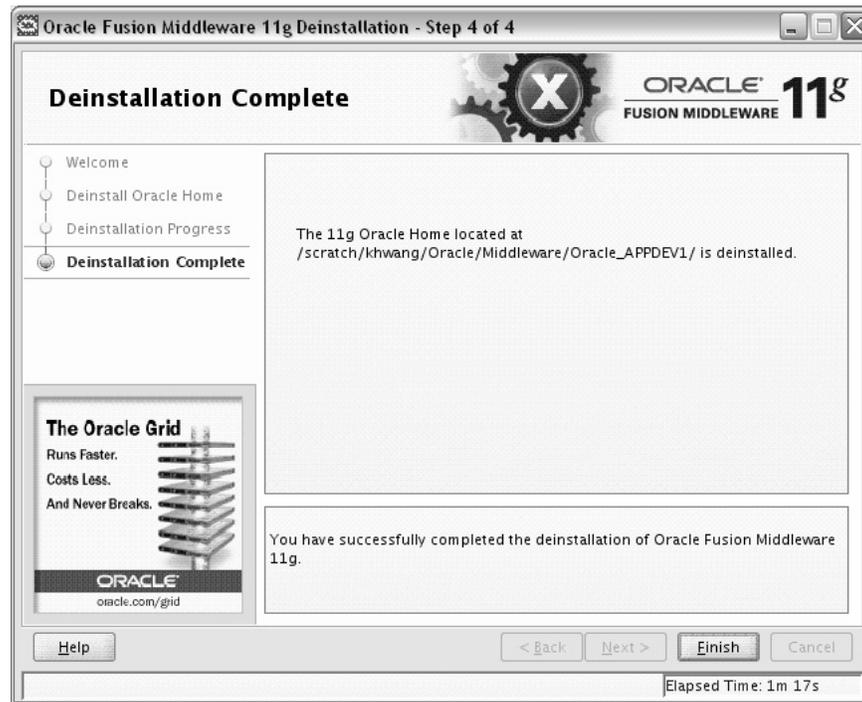
B.3 Deinstallation Progress Screen



This screen shows you the progress of the deinstallation.

If you want to quit before the deinstallation is completed, click **Cancel**.

B.4 Deinstallation Complete Screen



This screen summarizes the deinstallation that was just completed.

Silent Installation

This appendix describes how to install Application Developer from the command line in silent mode. This appendix contains the following topics:

- Section C.1, "About Silent Installation and Deinstallation"
- Section C.2, "Oracle Application Developer Response Files"

C.1 About Silent Installation and Deinstallation

For information about silent installation and deinstallation, refer to "Silent Installation and Deinstallation" in *Oracle Fusion Middleware Installation Planning Guide*.

C.2 Oracle Application Developer Response Files

Oracle recommends creating your response file by first running the install GUI, then clicking **Save** on the Installation Summary Screen. You will be prompted for a name and location where you want to create this response file. After it is created, you can use it exactly as-is to replicate the installation on other systems, or modify it as needed.

C.2.1 Installation Response Files

A sample response file called `sampleResponse_wls.rsp` (see Section C.2.1.1, "Contents of the sampleResponse_wls.rps File") is provided in the `Disk1/stage/Response` (on UNIX operating systems) or `Disk1\stage\Response` (on Windows operating systems) directory in the location where you unzipped your downloaded archive file for installation. This template response file can be used to install the Oracle Application Developer software if you are using Oracle WebLogic Server as the application server. If you are using IBM WebSphere as your application server, you need to use the `sampleResponse_was.rsp` file (see Section C.2.1.2, "Contents of the sampleResponse_was.rsp File").

In either case, you will still need to run the Configuration Wizard after installation to create or extend your WebLogic domain and configure Oracle Application Developer components.

C.2.1.1 Contents of the sampleResponse_wls.rps File

Below are the contents of the `sampleResponse_wls.rsp` file:

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0
```

```
[GENERIC]

#Set this to true if you wish to specify a directory where latest updates are
downloaded. This option would use the software updates from the specified
directory
SPECIFY_DOWNLOAD_LOCATION=false

#
SKIP_SOFTWARE_UPDATES=true

#If the Software updates are already downloaded and available on your local
system, then specify the path to the directory where these patches are available
and set SPECIFY_DOWNLOAD_LOCATION to true
SOFTWARE_UPDATES_DOWNLOAD_LOCATION=

#Provide the Oracle Home location. The location has to be the immediate child
under the specified Middleware Home location. The Oracle Home directory name may
only contain alphanumeric , hyphen (-) , dot (.) and underscore (_) characters,
and it must begin with an alphanumeric character. The total length has to be less
than or equal to 128 characters. The location has to be an empty directory or a
valid SOA Oracle Home.
ORACLE_HOME=/home/middleware/Oracle_SOA1

#Provide existing Middleware Home location.
MIDDLEWARE_HOME=/home/middleware

#Application Server choices are WLS, WAS, JBoss
APPSERVER_TYPE=WLS
```

```
[SYSTEM]
```

```
[APPLICATIONS]
```

```
[RELATIONSHIPS
]
```

The parameters you should change in this file are:

- **SKIP_SOFTWARE_UPDATES.** Set this to `true` if you do not want to configure your system to receive software updates. If you do, then set this parameter to `false`. Set the `SPECIFY_DOWNLOAD_LOCATION` parameter to `true` if you want to specify a directory where the latest updates are downloaded, then specify this location with the `SOFTWARE_UPDATES_DOWNLOAD_LOCATION` parameter.
- **ORACLE_HOME.** Specify the full path to your Oracle home directory.
- **MIDDLEWARE_HOME.** Specify the full path to your Middleware home directory.

C.2.1.2 Contents of the `sampleResponse_was.rsp` File

Below are the contents of the `sampleResponse_was.rsp` file:

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#Set this to true if you wish to specify a directory where latest updates are
```

```

downloaded. This option would use the software updates from the specified
directory
SPECIFY_DOWNLOAD_LOCATION=false

#
SKIP_SOFTWARE_UPDATES=true

#If the Software updates are already downloaded and available on your local
system, then specify the path to the directory where these patches are available
and set SPECIFY_DOWNLOAD_LOCATION to true
SOFTWARE_UPDATES_DOWNLOAD_LOCATION=

#Provide the Oracle Home location. The location has to be the immediate child
under the specified Middleware Home location. The Oracle Home directory name may
only contain alphanumeric , hyphen (-) , dot (.) and underscore (_) characters,
and it must begin with an alphanumeric character. The total length has to be less
than or equal to 128 characters. The location has to be an empty directory or a
valid SOA Oracle Home.
ORACLE_HOME=/home/middleware/Oracle_SOA1

#Provide Middleware Home location.
MIDDLEWARE_HOME=/home/middleware

#Application Server choices are WLS, WAS, JBoss
APPSERVER_TYPE=WAS

#Application Server Location to be specified for WAS and JBoss.
APPSERVER_LOCATION=/home/wasinstall

[SYSTEM]

[APPLICATIONS]

[RELATIONSHIPS
]

```

The parameters you should change in this file are:

- `SKIP_SOFTWARE_UPDATES`. Set this to `true` if you do not want to configure your system to receive software updates. If you do, then set this parameter to `false`. Set the `SPECIFY_DOWNLOAD_LOCATION` parameter to `true` if you want to specify a directory where the latest updates are downloaded, then specify this location with the `SOFTWARE_UPDATES_DOWNLOAD_LOCATION` parameter.
- `ORACLE_HOME`. Specify the full path to your Oracle home directory.
- `MIDDLEWARE_HOME`. Specify the full path to your Middleware home directory. Remember that this directory must be specified even if you are not using Oracle WebLogic Server as your application server.
- `APPSERVER_LOCATION`. Specify the installation directory for your IBM WebSphere application server.

C.2.2 Deinstallation Response Files

A sample deinstallation response file called `deinstall_oh.rsp` is provided in the `Disk1/stage/Response` (on UNIX operating systems) or `Disk1\stage\Response` (on Windows operating systems) directory in the location

where you downloaded and unzipped your archive file for installation. This template response file can be used to deinstall your Oracle Application Server software.

The contents of the `deinstall_oh.rsp` file are shown below:

```
[ENGINE]
```

```
#DO NOT CHANGE THIS.  
Response File Version=1.0.0.0.0
```

```
[GENERIC]
```

```
#Identifies if the Instance deinstallation is valid or not  
DEINSTALL_IN_ASINSTANCE_MODE=false
```

```
[SYSTEM]
```

```
[APPLICATIONS]
```

```
[RELATIONSHIPS]
```

Troubleshooting

This appendix describes solutions to common problems that you might encounter when installing Application Developer. It contains the following sections:

- Section D.1, "General Troubleshooting Tips"
- Section D.2, "Installation and Configuration Log Files"
- Section D.4, "Need More Help?"

D.1 General Troubleshooting Tips

If you encounter an error during installation:

- Read the *Oracle Fusion Middleware Release Notes for Linux x86* or *Oracle Fusion Middleware Release Notes for Microsoft Windows (32-Bit)* (depending on your platform) for the latest updates. The most current version of the release notes is available on the Oracle Fusion Middleware 11 g Release 1 (11.1.1) Documentation page on Oracle Technology Network:

<http://www.oracle.com/technetwork/middleware/docs/middleware-093940.html>

Click the **View Library** link for the documentation library corresponding to your release. The Release Notes are available in the library.

- Verify that your computer meets the requirements specified in the System Requirements and Specifications document:
<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-requirements-100147.html>
- If you entered incorrect information on one of the installation screens, return to that screen by clicking **Back** until you see the screen.
- If an error occurred while the installer is copying or linking files:
 1. Note the error and review the installation log files.
 2. Remove the failed installation by following the steps in Chapter 3, "Deinstalling Application Developer".
 3. Correct the issue that caused the error.
 4. Restart the installation.

D.2 Installation and Configuration Log Files

This section contains information about the log files that are created when running the Oracle Application Developer installer and the Oracle Fusion Middleware Configuration Wizard. Log files contain information that can help you troubleshoot problems with your installation or configuration.

- Section D.2.1, "Installation Log Files"
- Section D.2.2, "Configuration Log Files"

D.2.1 Installation Log Files

The installer writes log files to the *Oracle_Inventory_Location/log* (on UNIX operating systems) or *Oracle_Inventory_Location/logs* (on Windows operating systems) directory. On UNIX systems, if you do not know the location of your Oracle Inventory directory, you can find it in the *MW_HOME/oracle_common/oraInst.loc* file. On Windows systems, the default location for the inventory directory is *C:\Program Files\Oracle\Inventory\logs*.

The following install log files are written to the log directory:

- *installdate-time-stamp.log*
This is the main log file.
- *installdate-time-stamp.out*
This log file contains the output and error streams during the installation.
- *installActionsdate-time-stamp.log*
This file is used by the installer GUI to keep track of internal information.
- *installProfiledate-time-stamp.log*
This log file contains the overall statistics like time taken to complete the installation, as well as configuration, memory and CPU details.
- *oraInstalldate-time-stamp.log*
This log file contains the output stream of the copy session.

If you start the installer with the *-printtime* parameter, the *timeTakedate-time-stamp.log* and *timedate-time-stamp.log* files are created in the same directory:

- *timeTakedate-time-stamp.log*
This file contains information for the amount of time taken to move between screens (applicable for GUI installations only).
- *timedate-time-stamp.log*
This file contains time information for the copy session.

If you start the installer with the *-printmemory* parameter, the *memorydate-time-stamp.log* file is created. This file contains memory usage information for the copy session.

D.2.2 Configuration Log Files

To create a log file of your configuration session, start the Configuration Wizard with the *-log* option, as shown below:

On UNIX operating systems:

```
% ./config.sh -log=log_filename
```

On Windows operating systems:

```
G:\ config.cmd -log=log_filename
```

If you specify an absolute path with your *log_filename* then your log file will be created there. If you only specify a file name with no path, then the log files are created in the *MW_HOME/oracle_common/common/bin* (on UNIX operating systems) or *MW_HOME\oracle_common\common\bin* (on Windows operating systems) directory.

D.3 Keeping Track of Your JRE Location

The JRE location used by the Application Developer installer is stored in the *MW_HOME/oracle_common/oui/oraparam.ini* (on UNIX operating systems) or *MW_HOME\oracle_common\oui\oraparam.ini* (on Windows operating systems) file. This file is used by OPatch and Oracle Universal Installer (OUI) to determine the location of your preferred JRE.

It is possible to change the location of your JRE (for example, the JRE directory is moved out of the Middleware Home). If this happens, you will get an error message when trying to run OPatch or OUI since the JRE location can no longer be found. If this happens, you can do one of the following:

- Edit the *MW_HOME/oracle_common/oui/oraparam.ini* (on UNIX operating systems) or *MW_HOME\oracle_common\oui\oraparam.ini* (on Windows operating systems) file to point to the new JRE location.
- Use the `-jreLoc` command line option to point to the new JRE location. See Section 1.2.2, "Starting the Installer" for more information.

D.4 Need More Help?

If this appendix does not solve the problem you encountered, try these other sources:

- *Oracle Fusion Middleware Release Notes for Linux x86* or *Oracle Fusion Middleware Release Notes for Microsoft Windows (32-Bit)* (depending on your platform). The most current version of the release notes is available on the "Oracle Fusion Middleware 11 g Release 1 (11.1.1) Documentation" page on Oracle Technology Network:

```
http://www.oracle.com/technetwork/middleware/docs/middleware-093940.html
```

Click the **View Library** link for the documentation library corresponding to your release. The Release Notes are available in the library.

- My Oracle Support (formerly OracleMetaLink):
<https://support.oracle.com/>

If you do not find a solution for your problem, open a service request.

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