Oracle® Fusion Middleware

Installation Guide for Application Developer

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Oracle Fusion Middleware Installation Guide for Application Developer 11*g* Release 1 (11.1.1)

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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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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.
italic	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.

1 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"
- Section 1.3, "Patching Your Application Developer Installation"

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 Oracle WebLogic Server

Oracle Application Server requires Oracle WebLogic Server:

1. To download the latest Oracle WebLogic Server, see "Product Distribution" in *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server*.
2. For installation instructions, see "Running the Installation Program in Graphical Mode" in *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server*.

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 Application Developer.

This section contains the following topics:

- Section 1.2.1, "Starting the Installer"
- Section 1.2.2, "Installation Log Files"
- Section 1.2.3, "Inventory Screens (UNIX Only)"

- Section 1.2.4, "Installation Screens and Instructions"

1.2.1 Starting the Installer

The installer requires the location of a Java Runtime Environment (JRE) on your system. When you installed Oracle WebLogic Server, a JRE was installed on your system. You can use this location (the location of the `jre` directory) to start the installer. The default location for the JRE is *MW_HOME*`/jdk160_18` (on UNIX systems) or *MW_HOME*`\jdk160_18` (on Windows systems), where *MW_HOME* is the Middleware Home directory.

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

Note: Starting the installer as `root` user is not supported.

On UNIX operating systems:

```
./runInstaller -jreLoc JRE_LOCATION
```

On Windows operating systems:

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

You must specify the absolute path to your *JRE_LOCATION*; relative paths are not supported.

Note: You must also specify the *JRE_LOCATION* in the same manner if you are installing Oracle Application Developer on a 64-bit UNIX or Windows operating system with a 32-bit JDK.

If no JRE location is specified, 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 absolute path to the JRE on your system before you continue.

1.2.2 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.

1.2.3 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 `createCentralInventory.sh` script as `root`. Click **OK** to continue.

1.2.4 Installation Screens and Instructions

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

Note: Running the installer as `root` user is not supported.

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 Install and Configure Option (Common Screens)

No.	Screen	Description and Action Required
1	Welcome Screen	Click **Next** to continue.
2	Prerequisite Checks Screen	Click **Next** to continue.
3	Specify Installation Location Screen	Specify the Middleware home location. The Oracle Common home (`oracle_common`) will automatically be created inside the Middleware home. Click **Next** to continue.
4	Installation Summary Screen	Verify the installation about to be performed. Click **Install** to continue.
5	Installation Progress Screen	This screen shows the progress of the installation. When the process is 100% complete, click **Next** to continue.
6	Installation Complete Screen	Click **Finish** to dismiss the screen.

1.3 Patching Your Application Developer Installation

Next, you must use the Patch Set Installer for Application Developer to update your software to the latest version.

For instructions, refer to "Applying the Latest Oracle Fusion Middleware Patch Set with the Patch Set Installers" in *Oracle Fusion Middleware Patching Guide*.

After the installation and patching is complete, you must configure your products before you can begin using them. Go to Chapter 2, "Configuring Application Developer".

2

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 and 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 conent:

- 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 *MW_HOME*/oracle_common/common/bin (on UNIX operating systems) or *MW_HOME*\oracle_common\common\bin (on Windows operating systems) directory. Go to this directory, then run the config.sh (on UNIX operating systems) or config.cmd (on Windows operating systems) script to start the Configuration Wizard:

On UNIX operating systems:

```
./config.sh
```

On Windows operating systems:

```
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_18` (on UNIX operating systems) or *`MW_HOME`*`\jdk160_18` (on Windows operating systems) directory.
2. Set the `JAVA_VENDOR` environment variable to "Sun".

2.1.2 Configuration Log Files

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 Using Custom Port Numbers

By default, the servers that are created in each domain use the same set of port numbers (for example, the Admnistration 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.

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

2.1.3.2 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*.

2.1.4 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:

```
MW_HOME/user_projects/domains/domain_name/startWebLogic.sh
```

On Windows systems:

```
MW_HOME\user_projects\domains\domain_name\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://host:admin_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://host:secure_admin_server_port/console
  ```

- To access Enterprise Manager:

  ```
  http://host:admin_server_port/em
  ```

3

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	Verify the Oracle home you are about to deinstall. Click **Deinstall** to continue. 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. 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.
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 deinstall the software, then follow the instructions in Chapter 1, "Installing Application Developer" to reinstall the software.

A

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
- Prerequisite Checks Screen
- Specify Installation Location Screen
- Installation Summary Screen
- Installation Progress Screen
- Installation Complete Screen

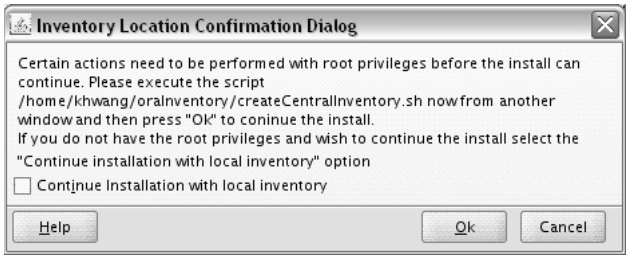
A.1 Specify Inventory Directory Screen (UNIX Only)

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)



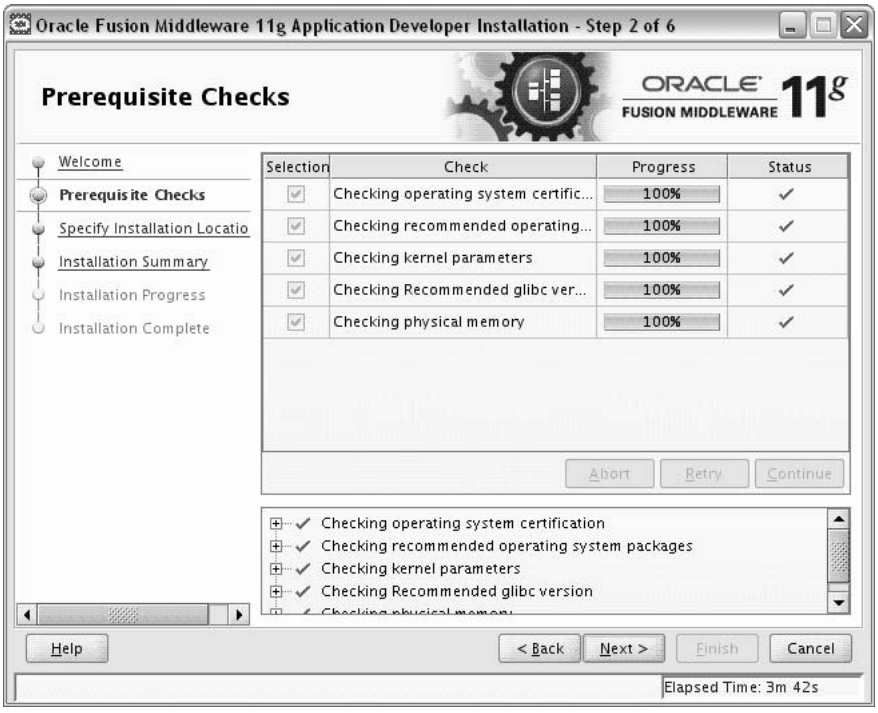
This screen appears for UNIX systems only; you are asked to run the *inventory_directory*/createCentralInventory.sh script as root.

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 Prerequisite Checks Screen

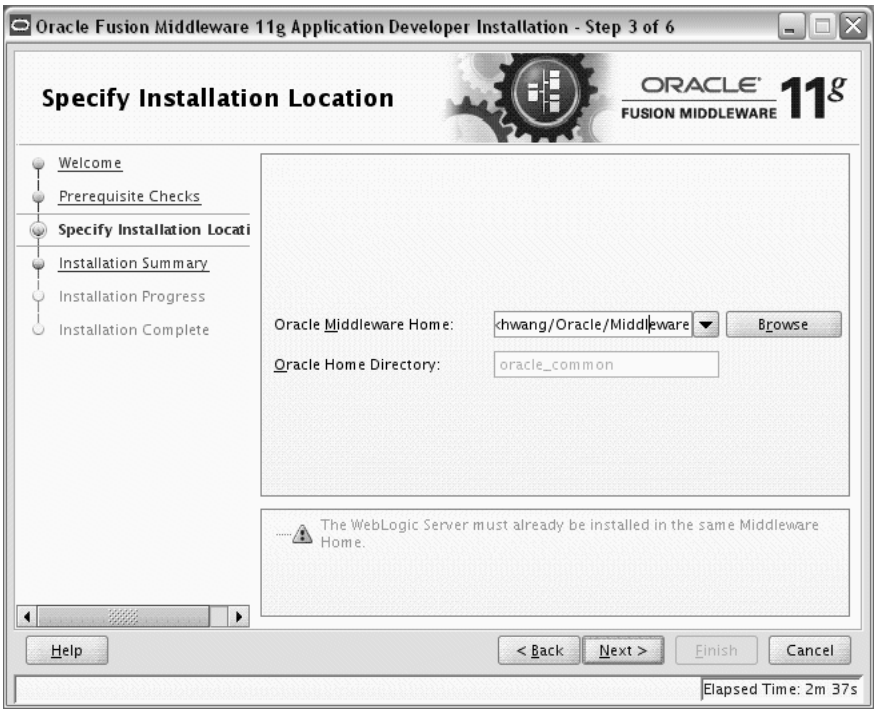


If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error and click **Retry** to try again.

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

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

A.5 Specify Installation Location Screen

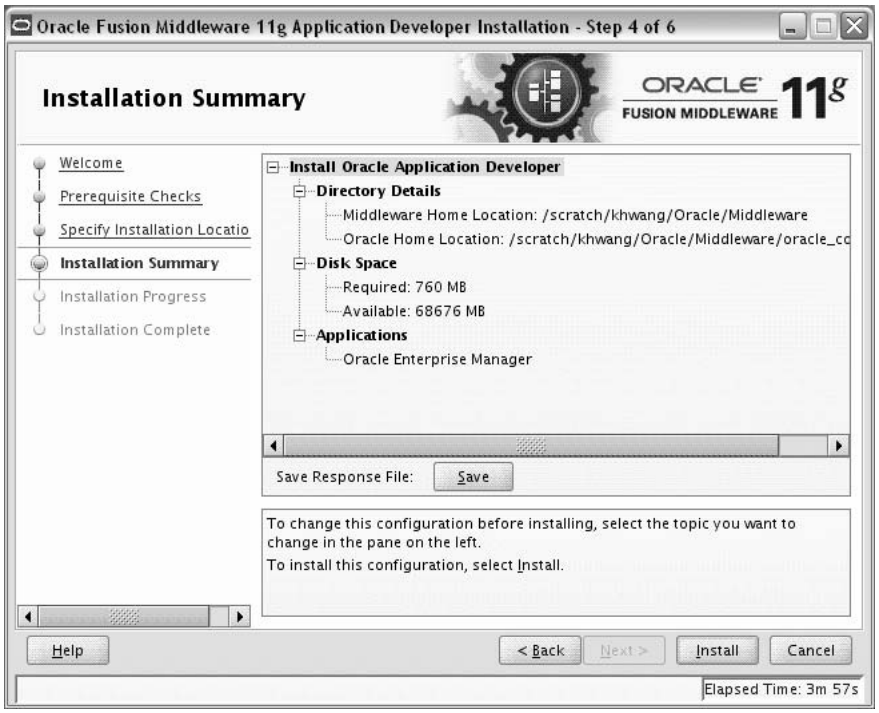


In the Oracle Middleware Home field, specify the absolute path to your existing Oracle Middleware home directory; this is the directory that was created when you installed Oracle WebLogic Server. If you do not know the full path to your Middleware home, you can click **Browse** to select an existing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

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.6 Installation Summary Screen

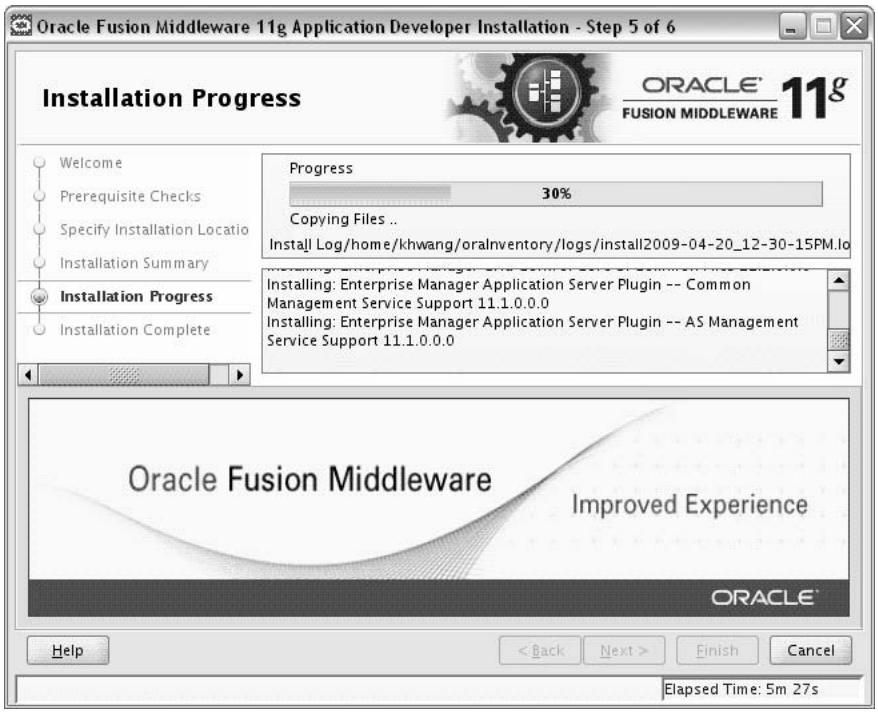


Review the information on this screen, and click **Install** to begin the installation. The operations summarized on this page will be performed when you click **Install**.

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.

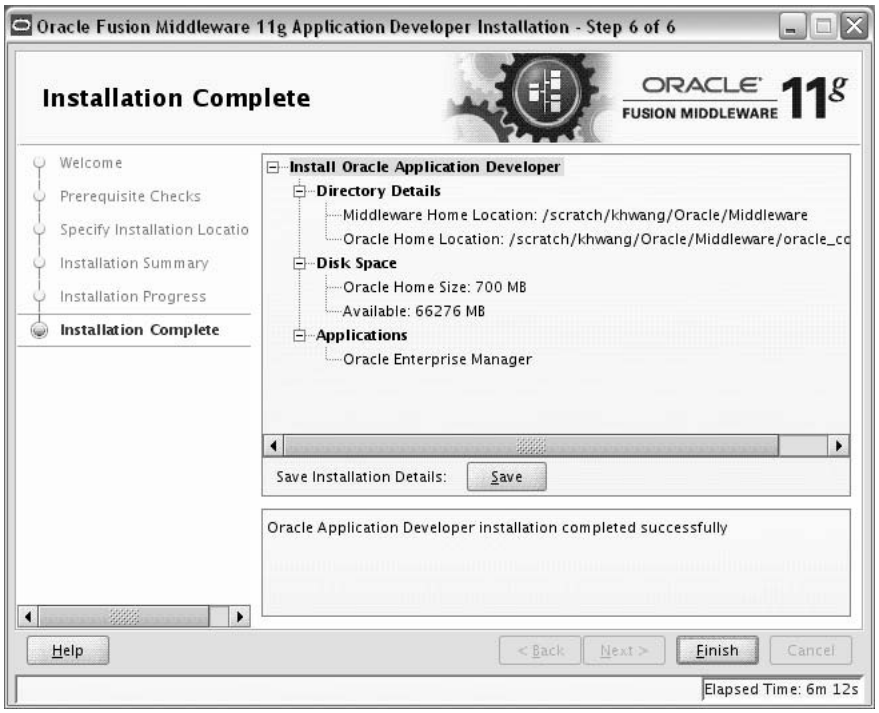
A.7 Installation Progress Screen



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.8 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**.

B

Application Developer Deinstallation Screens

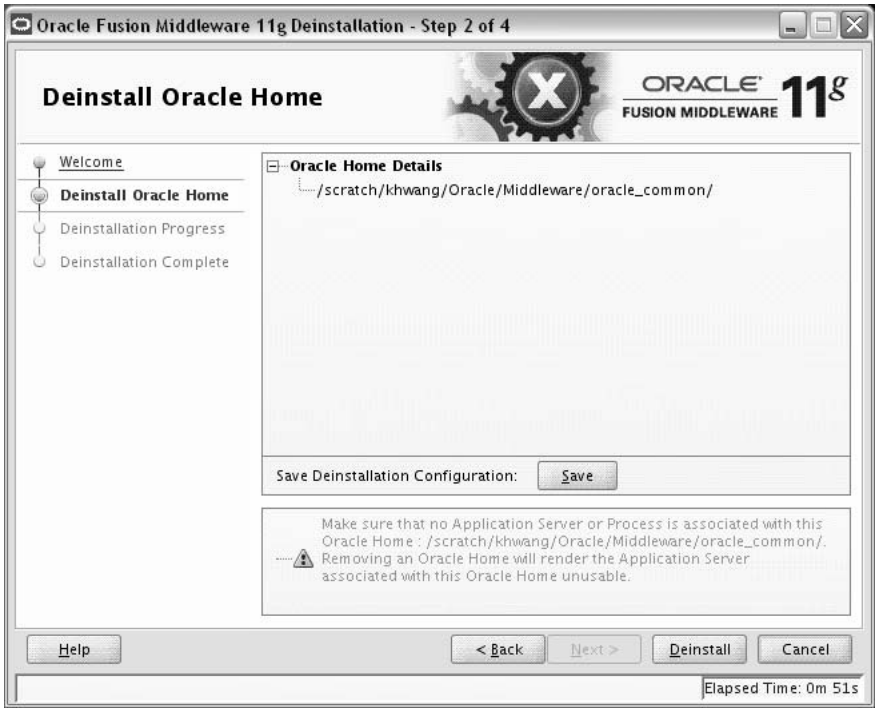
This appendix contains screenshots and descriptions for all of the Application Developer deinstallation screens:

- 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

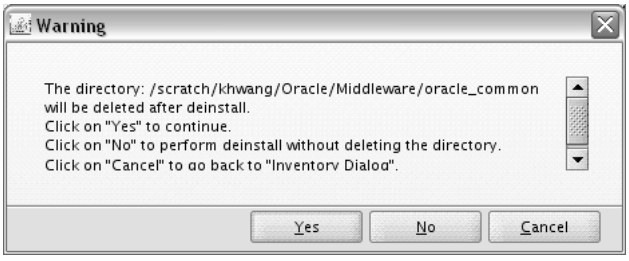


This screen shows the Oracle home directory that is about to be deinstalled. This is the Oracle home directory from which the deinstaller was started.

> **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:

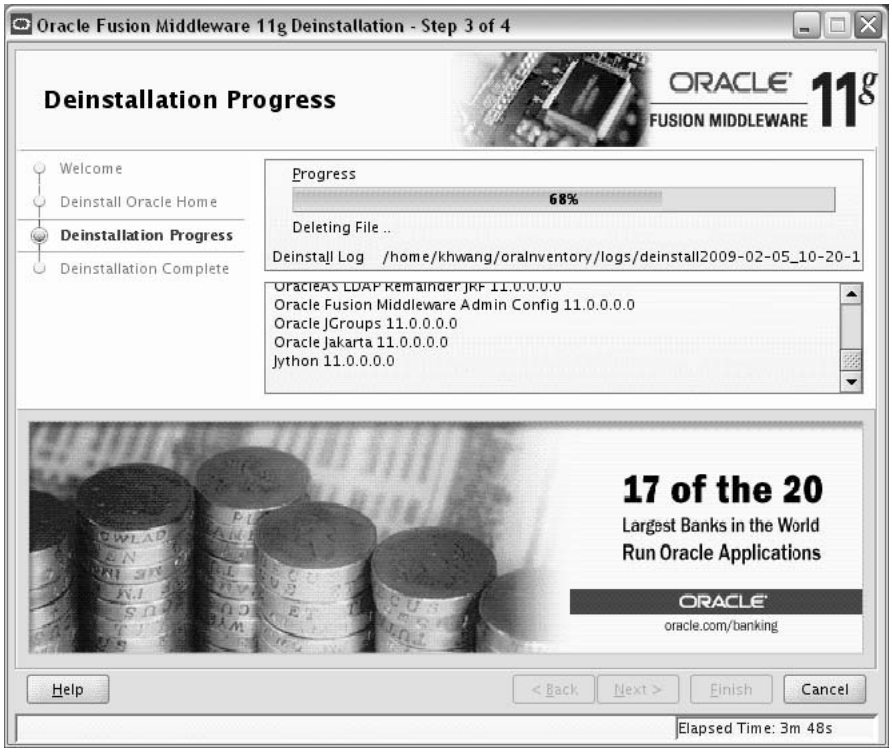


Click **Yes** to remove the software and the Oracle home directory from which the deinstaller was started.

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

Click Cancel to return to the previous screen.

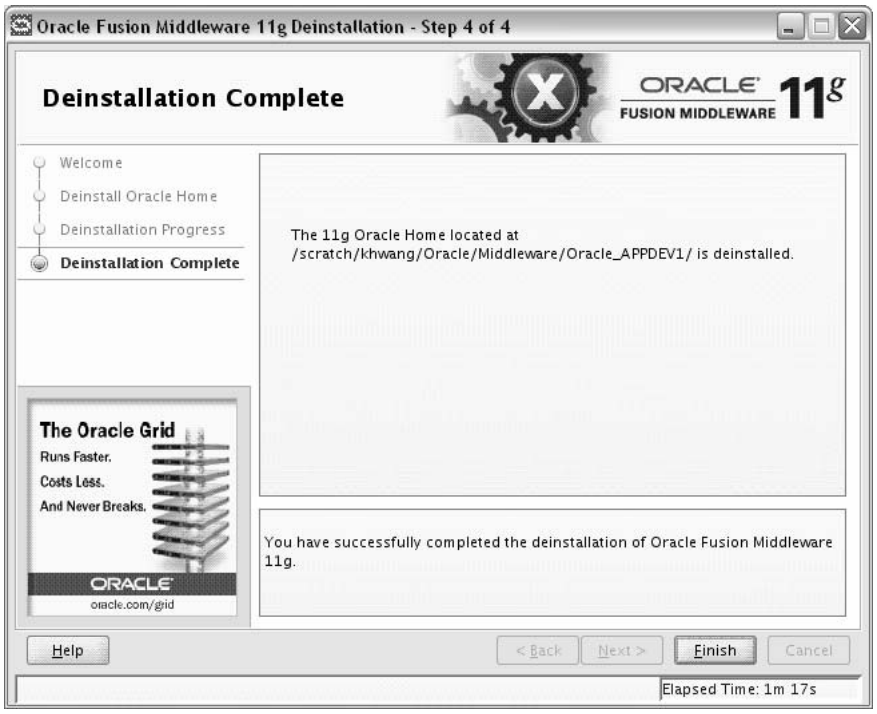
B.3 Deinstallation Progress Screen



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.

C

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.

A sample response file called `sampleResponse.rsp` is provided in the `Disk1/stage/Response` (on UNIX operating systems) or `Disk1\stage\Response` (on Windows operating systems) directory on the installation CD-ROM. This template response file can be used to install the Oracle Application Developer software only. You will still need to run the Configuration Wizard separately to create or extend your WebLogic domain and configure Oracle Application Developer.

The only parameters you need to specify in this file are `ORACLE_HOME` and `MIDDLEWARE_HOME`:

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#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_AppDev1
```

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


[SYSTEM]


[APPLICATIONS]


[RELATIONSHIPS]
```

D

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 the latest updates. The most current version of the release notes is available on Oracle Technology Network (`http://www.oracle.com/technology/documentation`).
- Verify that your computer meets the requirements specified in the System Requirement and Specification document:

  `http://www.oracle.com/technology/software/products/ias/files/fusion_requirements.htm`

- 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 SOA Suite installar 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 logs 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:

- install*date-time-stamp*.log

  This is the main log ifle.

- install*date-time-stamp*.out

  This log file contains the output and error streams during the installation.

- installActions*date-time-stamp*.log

  This file is used by tbe installer GUI to keep track of internal information.

- installProfile*date-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.

- oraInstall*date-time-stamp*.log

  This log file contains the output stream of the copy session.

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

- timeTaken*date-time-stamp*.log

  This file contains information for the amout of time taken to move between screens (applicable for GUI installations only).

- time*date-time-stamp*.log

  This file contains time information for the copy session.

If you start the installer with the -printmemory parameter, the memory*date-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 1.2.1, "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*, available on the Oracle Technology Network (http://www.oracle.com/technology/documentation)
- My Oracle Support (formerly Oracle*MetaLink*: http://metalink.oracle.com)

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

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