

Oracle® Fusion Middleware

Installing with the Oracle Universal Installer

12c (12.1.2)

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Documentation for installers and system administrators that describes how to use the Oracle Universal Installer for Oracle Fusion Middleware products.

Oracle Fusion Middleware Installing with the Oracle Universal Installer, 12c (12.1.2)

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Preface

This document describes how to use the Oracle Universal Installer to install Oracle Fusion Middleware products.

Audience

This document is intended for system administrators who are installing Oracle Fusion Middleware products. It is assumed that readers are familiar with Web technologies and have a general understanding of Windows and UNIX platforms.

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Related Documents

For more information, see the following documents in the Oracle Fusion Middleware 12c (12.1.2) documentation set:

- *Oracle Fusion Middleware Supported System Configurations*
This page contains the certification documents for all Oracle Fusion Middleware releases.
- *Oracle Fusion Middleware System Requirements and Specifications*
This page contains system-specific requirements that must be met prior to product installation.

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.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Using the Oracle Universal Installer

This chapter introduces the Oracle Universal Installer for Oracle Fusion Middleware 12c (12.1.2).

This chapter contains the following sections:

- [Section 1.1, "Verifying System Requirements"](#)
- [Section 1.2, "Understanding the Oracle Central Inventory"](#)
- [Section 1.3, "Viewing the Contents of an Oracle Home"](#)
- [Section 1.4, "Comparing the Contents of Two Oracle Homes"](#)
- [Section 1.5, "Understanding Available Modes of Installation"](#)
- [Section 1.6, "Starting the Oracle Universal Installer"](#)

1.1 Verifying System Requirements

See "Verifying Requirements for Oracle Universal Installer" in *Oracle Fusion Middleware System Requirements and Specifications* to verify and prepare to run the Oracle Universal Installer on your system.

1.2 Understanding the Oracle Central Inventory

Each time the Oracle Universal Installer is run, it checks your system for a central inventory location. The Oracle central inventory stores information about all Oracle software products installed in all Oracle homes on your system, provided the products were installed using the Oracle Universal Installer.

Inventory information is stored in Extensible Markup Language (XML) format. The XML format enables easier diagnosis of problems and faster loading of data. Any secure information is not stored directly in the inventory. As a result, during removal of some products, you may be prompted to enter the required credentials for validation.

Oracle recommends placing the central inventory on a local file system that is not shared by other systems, since the central inventory is a system-specific inventory of the installations on this system. It is strongly recommended that you place the central inventory on a local disk so that installations from other systems do not corrupt the inventory. You should not place the central inventory in the Oracle Base.

All Oracle homes in the source environment must be registered in the same Oracle inventory. If you have installed multiple components under the same Oracle home, but used different Oracle inventory locations, the scripts are not able to detect all of the Oracle homes.

1.2.1 Finding the Oracle Inventory on UNIX Operating Systems

To find the Oracle Inventory on UNIX operating systems, look for the `oraInst.loc` file in the following directories (default locations):

- Linux: `/etc/oraInst.loc`
- HP-UX and Solaris: `/var/opt/oracle/oraInst.loc`

1.2.2 Finding the Oracle Inventory on Windows Operating Systems

On Windows operating systems, the default location for the inventory directory is `C:\Program Files\Oracle\Inventory`. If you are using a 32-bit installer on a 64-bit Windows machine, the inventory directory is `C:\Program Files (x86)\Oracle\Inventory`.

1.3 Viewing the Contents of an Oracle Home

After your Oracle Fusion Middleware product is installed, you can use the `viewInventory.sh` (on UNIX operating systems) or `viewInventory.cmd` (on Windows operating systems) script to view the contents of any Oracle home directory. The following information is provided in the output:

- Name and version of installed distributions.
- Name and version of installed feature sets.
- Name and version of installed components.
- Patch ID and unique ID of installed patches.

Note: For more information about distributions and feature sets, see "Understanding Product Distributions" in *Planning an Installation of Oracle Fusion Middleware*.

The script output can be sent to the console window, an XML file, or a CSV file which can be imported into spreadsheets.

The script is located in the `ORACLE_HOME/oui/bin` directory.

To run the script on UNIX operating systems, use the following syntax:

```
./viewInventory.sh
  [-jreLoc jre_location]
  [-oracle_home oracle_home_location]
  [-output_format [report|xml|csv]]
  [-output_file output_file_location_and_name]
```

to run the script on Windows operating systems, use the following syntax:

```
viewInventory.cmd
  [-jreLoc jre_location]
  [-oracle_home oracle_home_location]
  [-output_format [report|xml|csv]]
  [-output_file output_file_location_and_name]
```

All of the parameters for this command are optional, and are described in [Table 1-1](#):

Table 1–1 Parameters for the viewInventory Script

Parameter	Description
-jreLoc	<p>Before running the script, you must set the <code>JAVA_HOME</code> environment variable on your system to point to a certified JDK (up to but not including the <code>/bin</code> directory). For example:</p> <pre>setenv JAVA_HOME /home/Java/jdk7_version</pre> <p>If you do not set the <code>JAVA_HOME</code>, you must provide the location using the <code>-jreLoc</code> parameter from the command line. For example:</p> <pre>viewInventory.cmd -jreLoc /home/Java/jdk7_version</pre>
-oracle_home	The Oracle home for which you want to view inventory information. If no Oracle home is specified, the default is the Oracle home from where the script is run.
-output_format	<p>The format for which you want the output to be recorded. Valid values are:</p> <ul style="list-style-type: none"> ▪ report Sends output to the console window. See Section D.1.1. ▪ xml Sends output to an XML file. See Section D.1.2. ▪ csv Sends output to a CSV file. See Section D.1.3. <p>If no output format is specified, the default will be detected based on whatever is specified for <code>-output_file</code>.</p>
-output_file	The name and format of the output file. This parameter is only required if you want to save your output to XML or CSV format; if no output file is specified, the script will default to the console window.

1.4 Comparing the Contents of Two Oracle Homes

After your Oracle Fusion Middleware product is installed, you can use the `compareInventory.sh` (on UNIX operating systems) or `compareInventory.cmd` (on Windows operating systems) script to compare the contents of any two Oracle home locations. If any differences are found, the following information is provided in the output:

- Location of the Oracle home
- Name and version of the distribution.
- Name and version of the feature set.
- Name and version of the component.
- Patch ID and unique ID of patch.

Note: For more information about distributions and feature sets, see "Understanding Product Distributions" in *Planning an Installation of Oracle Fusion Middleware*.

The script output can be sent to the console window, an XML file, or a CSV file which can be imported into spreadsheets.

The script is located in the `ORACLE_HOME/oui/bin` directory.

To run the script on UNIX operating systems, use the following syntax:

```
./compareInventory.sh
  -oracle_home1 oracle_home1_location
  -oracle_home2 oracle_home2_location
  [-jreLoc jre_location]
  [-input_type1 [dir|xml]]
  [-input_type2 [dir|xml]]
  [-output_file output_file_location_and_name]
```

To run the script on Windows operating systems, use the following syntax:

```
compareInventory.cmd
  -oracle_home1 oracle_home1_location
  -oracle_home2 oracle_home2_location
  [-jreLoc jre_location]
  [-input_type1 [dir|xml]]
  [-input_type2 [dir|xml]]
  [-output_file output_file_location_and_name]
```

Only the `-oracle_home1` and `-oracle_home2` parameters are required. All of the parameters for this command are optional, and are described in [Table 1–2](#):

Table 1–2 Parameters for the compareInventory Script

Parameter	Description
<code>-oracle_home1</code>	Full path to one of the two Oracle home locations you want to compare.
<code>-oracle_home2</code>	Full path to the second Oracle home location you want to compare.
<code>-jreLoc</code>	<p>Before running the script, you must set the <code>JAVA_HOME</code> environment variable on your system to point to a certified JDK (up to but not including the <code>/bin</code> directory). For example:</p> <pre>setenv JAVA_HOME /home/Java/jdk7_version</pre> <p>If you do not set the <code>JAVA_HOME</code>, you must provide the location using the <code>-jreLoc</code> parameter from the command line. For example:</p> <pre>compareInventory.cmd -jreLoc /home/Java/jdk7_version</pre>
<code>-input_type1</code>	<p>Specify whether or not the data from <code>-oracle_home1</code> is provided as an XML file, or as a directory location. Valid values are:</p> <ul style="list-style-type: none"> ▪ <code>dir</code> (for directory location) ▪ <code>xml</code> (for XML file) <p>If no value is specified the script will automatically detect the source format.</p>
<code>-input_type2</code>	<p>Specify whether or not the data from <code>-oracle_home2</code> is provided as an XML file, or as a directory location. Valid values are:</p> <ul style="list-style-type: none"> ▪ <code>dir</code> (for directory location) ▪ <code>xml</code> (for XML file) <p>If no value is specified the script will automatically detect the source format.</p>

Table 1–2 (Cont.) Parameters for the compareInventory Script

Parameter	Description
-output_file	<p>The name and format of the output file. This parameter is only required if you want to save your output to XML or CSV format; if no output file is specified, the script will default to the console window.</p> <ul style="list-style-type: none"> ■ For sample output to the terminal window, see Section D.2.1. ■ For sample output to a CSV file, see Section D.2.2. ■ For sample output to an XML file, see Section D.2.3.

1.5 Understanding Available Modes of Installation

You can run the Oracle Universal Installer in the following modes:

- Graphical mode

Graphical-mode installation is an interactive, GUI-based method for installing your software. It can be run on both Windows and UNIX systems.

In order to run the installation program in graphical mode on UNIX operating systems, the console attached to the machine on which you are installing the software must support a Java-based GUI. All consoles for Windows systems support Java-based GUIs, but not all consoles for UNIX systems do.

Additionally on UNIX operating systems, the *DISPLAY* environment variable must be set to the monitor where you want the installer GUI to appear, and the user performing the installation must have permissions to access the machine to which *DISPLAY* is set. Refer to your operating system documentation for specific instructions on how to do this, as procedures vary depending on your exact operating system.

- Silent mode

Silent-mode installation is a non-interactive method of installing your software. You use a properties file (called a response file) to specify the installation options. You can run silent-mode installation from either a script or from the command line. Silent-mode installation allows you to define the installation configuration only once, and then use that configuration to duplicate the installation on many machines.

For more information about silent mode installation and how to create a response file, see [Chapter 2](#). For sample response files, see [Appendix C](#).

1.6 Starting the Oracle Universal Installer

The Oracle Universal Installer can be started in various ways, depending on how the product distribution is packaged.

- [Section 1.6.1, "Starting the Oracle Universal Installer in a Generic \(.jar\) Distribution"](#)
- [Section 1.6.2, "Starting the Oracle Universal Installer in a Platform-Specific Distribution"](#)

1.6.1 Starting the Oracle Universal Installer in a Generic (.jar) Distribution

To start the Oracle Universal Installer that is packaged in a .jar distribution, make sure that you have a certified JDK already installed on your system. See the

appropriate certification document for 12c (12.1.2) on the *Oracle Fusion Middleware Supported System Configurations* page.

To start the installer without setting any environment variables:

1. Go to the directory where you downloaded the product distribution.
2. Invoke the `java -jar` command from your JDK directory. For example:

On UNIX operating systems:

```
/home/Oracle/jdk7_15/jdk1.7.0_15/bin/java -jar distribution_name.jar
```

On Windows operating systems:

```
C:\Program Files\Java\jdk7_15\bin\java -jar distribution_name.jar
```

You can also set the `JAVA_HOME` and `PATH` environment variables to run the installer:

1. Set the `JAVA_HOME` environment variable on your system to the JDK directory. For example:

On UNIX operating systems

```
JAVA_HOME=/home/Oracle/jdk7_15/jdk1.7.0_15; export $JAVA_HOME
```

On Windows operating systems

```
set JAVA_HOME=C:\Program Files\Java\jdk1.7.0_15
```

2. Add the directory of the appropriate JDK to the `PATH` variable definition on the target system. For example:

On UNIX operating systems:

```
PATH=$JAVA_HOME/bin:$PATH; export PATH
```

On Windows operating systems:

```
set PATH=%JAVA_HOME%\bin;%PATH%
```

3. Go to the directory where you downloaded the installation program.
4. Launch the installation program by entering the following command:

```
java -jar distribution_name.jar
```

1.6.2 Starting the Oracle Universal Installer in a Platform-Specific Distribution

Some products (for example, Oracle HTTP Server) may be available in a product-specific distribution; on UNIX operating systems, the distribution is available as a `.bin` file, and on Windows operating systems, as a `.exe` file.

To start the Oracle Universal Installer in a `.bin` distribution:

1. Change the permissions of the `.bin` file:

```
chmod a+x distribution_name.bin
```

2. Execute the `.bin` file:

```
./distribution_name.bin
```

To start the Oracle Universal Installer in a `.exe` distribution, use a Windows folder to navigate to the directory containing the distribution, and double-click on the `distribution_name.exe` file.

Using the Oracle Universal Installer in Silent Mode

This chapter describes how to use the Oracle Universal Installer from the command line.

This chapter includes the following sections:

- [Section 2.1, "Understanding Silent Installation"](#)
- [Section 2.2, "Understanding Response Files"](#)
- [Section 2.3, "Performing Pre-Silent Installation Tasks"](#)
- [Section 2.4, "Running the Oracle Universal Installer in Silent Mode"](#)
- [Section 2.5, "Running the Oracle Universal Installer for Silent Deinstallation"](#)

2.1 Understanding Silent Installation

Silent installation eliminates the need to monitor your product installation because no graphical output is displayed and no input by the user is required.

Silent installation of your Oracle Fusion Middleware product is accomplished by using the `-silent` flag on the command line when you start the installer. In most cases, you will need to supply the location and name of a file containing certain variable and parameter values (for example, installation location). These are the values that would be asked for during a typical installation using the graphical user interface.

For Oracle Fusion Middleware products, this file is typically called a response file. For more information, see [Section 2.2](#).

Note: For UNIX users, if this is a first time installation of any Oracle product, you must create the `oraInst.loc` file before starting. Refer to [Section 2.3.1](#) for more information.

Following installation of your product, you need to run the `root.sh` script as the `root` user. The `root.sh` script detects settings of environment variables and enables you to enter the full path of the local `bin` directory.

Note: For Windows users, if this is a first time installation of any Oracle product, you must create the registry keys before starting. Registry key creation is described in [Section 2.3.2](#).

2.2 Understanding Response Files

Before doing a silent installation, you must provide information specific to your installation in a response file (for example, the installation directory). The installer will fail if you attempt an installation using a response file that is not configured correctly. Response files are text files that you can create or edit in a text editor.

2.2.1 Creating a Response File

Oracle recommends creating a response file in the following manner:

1. Run your product's graphical installer or deinstaller, as described in your product installation guide.
2. For product installation, on the [Installation Summary](#) screen, click **Save Response File** to save your installation parameters to a response file.

For product deinstallation, on the [Deinstallation Summary](#) screen, click **Save Response File** to save your deinstallation parameters to a response file.

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 or deinstallation on other systems, or modify it as needed.

2.2.2 Sample Response Files

To see some sample response files that can be used for silent installation, see [Appendix C](#).

The parameters that can be included in the response files are described in [Section 2.2.3](#).

2.2.3 Editing Response File Parameters

This section describes the various parameters that can be included in a valid response file for the Oracle Universal Installer.

See [Appendix C](#) for some sample response files.

Table 2–1 *Response File Parameters*

Corresponding Screen	Parameter	Description
Installation Location	ORACLE_HOME	Location of the Oracle home directory.

Table 2–1 (Cont.) Response File Parameters

Corresponding Screen	Parameter	Description
Specify Security Updates	MYORACLESUPPORT_USERNAME MYORACLESUPPORT_PASSWORD	Provide your My Oracle Support user name and password if you want to receive the latest product information and security updates.
	DECLINE_SECURITY_UPDATES	Set this parameter to <code>true</code> if you want to decline receiving security updates. By default, this parameter is set to <code>false</code> .
	SECURITY_UPDATES_VIA_MYORACLESUPPORT	If you specify values for <code>MYORACLESUPPORT_USERNAME</code> and <code>MYORACLESUPPORT_PASSWORD</code> , this parameter must be set to <code>true</code> .
	PROXY_HOST PROXY_PORT PROXY_USER PROXY_PWD	Provide the proxy server information if you use a proxy server in your environment.
	COLLECTOR_SUPPORTHUB_URL	The URL of the Oracle Configuration Manager Repeater. The format is: <code>http://repeater_host:repeater_port</code> or <code>https://repeater_host:repeater_port</code>
	INSTALL_TYPE	Specify the type of install you want to perform. This value will differ depending on your product distribution. For the WebLogic Server and Coherence distribution, the following install types are valid: <ul style="list-style-type: none"> ■ Coherence ■ WebLogic Server ■ Complete with Examples For the Fusion Middleware Infrastructure distribution, the following install types are valid: <ul style="list-style-type: none"> ■ Fusion Middleware Infrastructure ■ Fusion Middleware Infrastructure With Examples For the Oracle HTTP Server distribution, the following install types are valid: <ul style="list-style-type: none"> ■ Standalone HTTP Server (Managed independently of WebLogic server) ■ Colocated HTTP Server (Managed through WebLogic server)

Table 2–1 (Cont.) Response File Parameters

Corresponding Screen	Parameter	Description
Distribution to Deinstall	SELECTED_DISTRIBUTION	<p>Specify the distribution you want to remove from the Oracle home.</p> <p>This parameter is required if more than one distribution exists in the Oracle home from which the deinstaller program is started:</p> <ul style="list-style-type: none"> ■ For the Oracle Fusion Middleware Infrastructure distribution, specify: WebLogic Server for FMW~12.1.2.0.0 ■ For the Oracle WebLogic Server and Coherence distribution, specify: WebLogic Server~12.1.2.0.0 ■ For Oracle HTTP Server, specify: Oracle HTTP Server~12.1.2.0.0

2.2.4 Securing Your Response Files for Silent Installation

Your response files contain certain passwords required by the installer. To minimize security issues regarding these passwords in the response file, follow these guidelines:

- Set the permissions on the response files so that they are readable only by the operating system user who will be performing the silent installation.
- If possible, remove the response files from the system after the silent installation is completed.

2.3 Performing Pre-Silent Installation Tasks

This section covers the pre-installation tasks that may be required before you are able to perform a silent installation.

The following topics are covered:

- [Section 2.3.1, "UNIX Users: Creating the oraInst.loc File"](#)
- [Section 2.3.2, "Windows Users: Creating the Registry Key"](#)

2.3.1 UNIX Users: Creating the oraInst.loc File

The Oracle inventory directory is used by the installer to keep track of all Oracle products installed on the computer. The inventory directory is stored in a file called `oraInst.loc`. If this file does not already exist on your system, you must create it before starting a silent installation. This file is used by the installer.

1. Log in as the root user.

```
prompt> su
```

2. Using a text editor such as `vi` or `emacs`, create the `oraInst.loc` file in the directory of your choice. The contents of the file consist of the following two lines:

```
inventory_loc=oui_inventory_directory
inst_group=oui_install_group
```

Replace `oui_inventory_directory` with the full path to the directory where you want the installer to create the inventory directory. Then, replace `oui_install_`

group with the name of the group whose members have write permissions to this directory.

- Exit from the root user.

```
# exit
```

2.3.2 Windows Users: Creating the Registry Key

If you have not installed any Oracle products on your computer, then you need to create the following Registry key and value:

```
HKEY_LOCAL_MACHINE / SOFTWARE / Oracle / inst_loc = [inventory_directory]
```

Replace *Inventory_Directory* with the full path to your installer files. For example:

```
C:\Program Files\Oracle\Inventory
```

2.4 Running the Oracle Universal Installer in Silent Mode

The full syntax for running the product installer from the command line is shown below:

```
java -jar distribution_name.jar [-mode] [-options]
[(<CommandLinevariable=Value>)*]
```

To run the product installer in silent mode, use `-silent` mode and specify a response file:

```
java -jar distribution_name.jar -silent -responseFile file [-options]
[(<CommandLinevariable=Value>)*]
```

Table 2–2 lists the valid command line parameters for silent installation.

Table 2–2 Installer Command Line Parameters

Parameter	Description	Version
Installation Modes - Only One Mode Can be Specified		
-i -install	Launches the installer in GUI mode. This is the default mode and is used if no mode is specified on the command line.	11g and 12c
-silent	Install in silent mode. The installer must be passed either a response file or command line variable value pairs.	11g and 12c
Installation Options		
-help --help --usage	Displays the usage parameters for the runInstaller or setup.exe command. NOTE: the --usage option is only valid for the runInstaller command on UNIX operating systems.	11g and 12c
-invPtrLoc <i>file</i>	Pointer to the inventory location file. Replace <i>file</i> with the full path and name of the oraInst.loc file.	11g and 12c
-response <i>file</i> -responseFile <i>file</i>	Pointer to the response file. Replace <i>file</i> with the full path and name of the response file. See Section 2.2 for information about creating the response files.	11g and 12c

Table 2–2 (Cont.) Installer Command Line Parameters

Parameter	Description	Version
-logLevel <i>level</i>	Specify the level of logging performed by the installer; all messages with a lower priority than the specified <i>level</i> will be recorded. Valid levels are: <ul style="list-style-type: none"> ■ severe ■ warning ■ info ■ config ■ fine ■ finer ■ finest 	11g and 12c
-logFile <i>file</i>	Specify the name of the log file.	12c only
-debug	Obtain debug information from the installer.	11g and 12c
-force	Allow the silent installation to proceed in a non-empty directory.	11g and 12c
-printdiskusage	Log debugging information pertaining to disk usage.	11g and 12c
-printmemory	Log debugging information pertaining to memory usage.	11g and 12c
-printtime	Log debugging information pertaining to time usage. This command causes the <code>timeTakenTimestamp.log</code> file to be created.	11g and 12c
-waitforcompletion	Windows only - the installer will wait for completion instead of spawning the Java engine and exiting. NOTE: this option only works if the command is invoked from a script; for example, if a <code>.bat</code> file contains the <code>setup.exe</code> file with the <code>-waitforcompletion</code> option. This option will not work if invoked directly from the command line prompt.	11g and 12c
-noconsole	Messages will not be displayed to the console window.	11g and 12c
-ignoreSysPrereqs	Ignore the results of the system prerequisite checks and continue with the installation.	11g and 12c
-executeSysPrereqs	Execute the system prerequisite checks only, then exit.	11g and 12c
-paramFile <i>file</i>	The <code>oraparam.ini</code> file is an initialization file for the installer, and is contained inside the distribution <code>.jar</code> file and extracted when the installer is started. The <code>-paramFile</code> parameter is used to override the default initialization file; for example, in the case where an update to the <code>oraparam.ini</code> file is needed and you are trying to use a customized local version of the file.	11g and 12c
-novalidation	Disables all validation checking performed by the installer.	11g and 12c
-nodefaultinput	For the GUI install, several screens have information or default values pre-populated. Specifying this option disables this behavior so that no information or values are pre-populated.	11g and 12c
-nocheckForUpdates	Disables all checking for updates.	12c only
-updatesDir <i>location</i>	Specify the directory where the latest updates should be downloaded. This parameter can be used in disconnected mode.	12c only
Command Line Variables		

Table 2–2 (Cont.) Installer Command Line Parameters

Parameter	Description	Version
Installer Variables	<p>Installer variables are specified using <code>varName=value</code>. For example, on a UNIX operating system:</p> <pre>ORACLE_HOME=/home/Oracle/Products/Oracle_Home</pre> <p>On a Windows operating system:</p> <pre>ORACLE_HOME=C:\Oracle\Products\Oracle_Home</pre>	11g and 12c
Session Variables	Session variables are specified using <code>session:varName=value</code> .	11g and 12c
Component Variables	Component variables are specified using <code>session:compInternalName:[Version:]varName=value</code> .	11g and 12c

2.4.1 Sample Silent Install Commands

If this is the first time you are installing on your system (meaning there is no pre-existing Oracle Inventory location), use the following command to perform a silent installation:

```
java -jar wls_121200.jar -silent -response file -invPtrLoc file
```

Below is a full example of this command, where the response file was created in the `/home/exampleuser/response` directory:

```
java -jar wls_121200.jar -silent -response /home/exampleuser/response/wls.rsp
-invPtrLoc /home/exampleuser/oraInst.loc
```

If you have already installed an Oracle product on your system and do not need to specify an inventory location, then you can use a command similar to the following:

```
java -jar wls_121200.jar -silent -response file
```

Below is a full example of this command, where the response file was created in the `/home/exampleuser/response` directory:

```
java -jar wls_121200.jar -silent -response /home/exampleuser/response/wls.rsp
```

2.4.2 Sample Silent Install Output

Below is a sample output from a silent Oracle WebLogic Server and Coherence installation.

```
java -jar wls_121200.jar -silent -response /home/exampleuser/response/wls.rsp
Extracting files.....
Starting Oracle Universal Installer
```

```
Checking if CPU speed is above 300 MHz.   Actual 2526.998 MHz   Passed
Checking swap space: must be greater than 512 MB.   Actual 10288440 MB   Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not
required)
Checking temp space: must be greater than 300 MB.   Actual 44752 MB   Passed
```

```
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2013-04-02_
10-32-26AM
```

```
Log: /home/exampleuser/oraInventory/logs/install2013-04-02_10-32-26AM.log
Copyright (c) 1996, 2013, Oracle and/or its affiliates. All rights reserved.
```

```
Reading response file..
```

```
Expected result: One of
```

```
enterprise-4,enterprise-5,enterprise-6,redhat-6,redhat-4,redhat-5,SuSE-10,SuSE-11
```

```

Actual Result: enterprise-5
Check complete. The overall result of this check is: Passed
CertifiedVersions Check: Success.
Verifying data.....
Copying Files...
-----20%-----40%-----60%-----80%-----100%

```

The installation of WebLogic Server 12.1.2.0.0 completed successfully.

2.5 Running the Oracle Universal Installer for Silent Deinstallation

To deinstall your Oracle Fusion Middleware product in silent mode, use the `-silent` mode from the command line. The full syntax for running the deinstaller from the command line is shown below:

```

./deinstall.sh -silent -responseFile file [-options]
[(<CommandLinevariable=Value>)*]

```

Table 2–3 lists the valid command line parameters for silent installation.

Table 2–3 Deinstaller Command Line Parameters

Parameter	Description	Version
Deinstallation Options		
-help	Displays the usage parameters for the runInstaller or setup.exe command.	11g and 12c
--usage	NOTE: the --usage option is only valid for the runInstaller command on UNIX operating systems.	
-invPtrLoc <i>file</i>	Pointer to the inventory location file. Replace <i>file</i> with the full path and name of the oraInst.loc file.	11g and 12c
-response <i>file</i> -responseFile <i>file</i>	Pointer to the response file. Replace <i>file</i> with the full path and name of the response file. See Section 2.2 for information about creating the response files.	11g and 12c
-logLevel <i>level</i>	Specify the level of logging performed by the installer; all messages with a lower priority than the specified <i>level</i> will be recorded. Valid levels are: <ul style="list-style-type: none"> ■ severe ■ warning ■ info ■ config ■ fine ■ finer ■ finest 	11g and 12c
-logFile <i>file</i>	Specify the name of the log file.	12c only
-debug	Obtain debug information from the installer.	11g and 12c
-force	Allow the silent installation to proceed in a non-empty directory.	11g and 12c
-printdiskusage	Log debugging information pertaining to disk usage.	11g and 12c
-printmemory	Log debugging information pertaining to memory usage.	11g and 12c
-printtime	Log debugging information pertaining to time usage. This command causes the <code>timeTakenTimestamp.log</code> file to be created.	11g and 12c

Table 2–3 (Cont.) Deinstaller Command Line Parameters

Parameter	Description	Version
-waitforcompletion	Windows only - the installer will wait for completion instead of spawning the Java engine and exiting. NOTE: this option only works if the command is invoked from a script; for example, if a .bat file contains the setup.exe file with the -waitforcompletion option. This option will not work if invoked directly from the command line prompt.	11g and 12c
-noconsole	Messages will not be displayed to the console window.	11g and 12c
-ignoreSysPrereqs	Ignore the results of the system prerequisite checks and continue with the installation.	11g and 12c
-executeSysPrereqs	Execute the system prerequisite checks only, then exit.	11g and 12c
-paramFile <i>file</i>	The oraparam.ini file is an initialization file for the installer, and is contained inside the distribution .jar file and extracted when the installer is started. The -paramFile parameter is used to override the default initialization file; for example, in the case where an update to the oraparam.ini file is needed and you are trying to use a customized local version of the file.	11g and 12c
-novalidation	Disables all validation checking performed by the installer.	11g and 12c
-nodefaultinput	For the GUI install, several screens have information or default values pre-populated. Specifying this option disables this behavior so that no information or values are pre-populated.	11g and 12c
-nocheckForUpdates	Disables all checking for updates.	12c only
-updatesDir <i>location</i>	Specify the directory where the latest updates should be downloaded. This parameter can be used in disconnected mode.	12c only
Command Line Variables		
Installer Variables	Installer variables are specified using <code>varName=value</code> . For example, on a UNIX operating system: <code>ORACLE_HOME=/home/Oracle/Products/Oracle_Home</code> On a Windows operating system: <code>ORACLE_HOME=C:\Oracle\Products\Oracle_Home</code>	11g and 12c
Session Variables	Session variables are specified using <code>session:varName=value</code> .	11g and 12c
Component Variables	Component variables are specified using <code>session:compInternalName:[Version:]varName=value</code> .	11g and 12c

2.5.1 Sample Silent Deinstall Commands

Below is an example silent deinstall command:

```
./deinstall.sh -silent -responseFile /home/exampleuser/wls_deinstall.rsp
```

Note that when you run the deinstallation program in silent mode, no messages are displayed indicating that the deinstallation is in progress or has completed successfully, even if errors are encountered.

You can include the `-logFile` and `-logLevel` parameters to create a verbose installation log. See [Table 2–3](#) for more details about these parameters.

Below is an example silent deinstall command specifying `FINE` as the logging level. Since `-logFile` is not specified, the deinstaller will use the default log file location (see [Appendix E](#)).

```
./deinstall.sh -silent -responseFile /home/exampleuser/wls_deinstall.rsp -logLevel  
FINE
```

2.5.2 Sample Silent Deinstall Output

Below is sample output from a silent Oracle WebLogic Server and Coherence deinstallation.

```
./deinstall.sh -silent -responseFile /home/exampleuser/wls_deinstall.rsp  
Starting Oracle Universal Installer  
  
Checking if CPU speed is above 300 MHz.   Actual 2526.998 MHz   Passed  
Checking swap space: must be greater than 512 MB.   Actual 10288440 MB   Passed  
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not  
required)  
Checking temp space: must be greater than 300 MB.   Actual 44752 MB   Passed  
  
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2013-04-02_  
10-32-26AM  
Log: /home/exampleuser/oraInventory/logs/install2013-04-02_10-32-26AM.log  
Copyright (c) 1999, 2013, Oracle and/or its affiliates. All rights reserved.  
Reading response file..  
Starting silent deinstallation...  
-----20%-----40%-----60%-----80%-----100%  
  
The uninstall of WebLogic Server 12.1.2.0.0 completed successfully.
```

A

Oracle Universal Installer Installation Screens

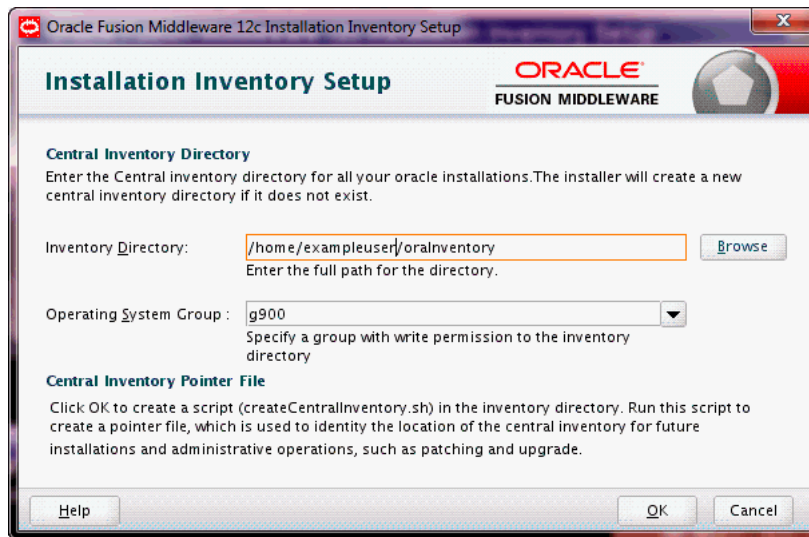
This appendix contains screenshots and descriptions for all of the Oracle Universal Installer screens.

Note: The screens used in this appendix are from the Oracle Fusion Middleware Infrastructure installation. Unless otherwise noted, the screens are exactly the same for all other Oracle Fusion Middleware products.

Below are the screens covered in this appendix:

- [Section A.1, "Installation Inventory Setup"](#)
- [Section A.2, "Welcome"](#)
- [Section A.3, "Installation Location"](#)
- [Section A.4, "Installation Type"](#)
- [Section A.5, "Prerequisite Checks"](#)
- [Section A.6, "Specify Security Updates"](#)
- [Section A.7, "Installation Summary"](#)
- [Section A.8, "Installation Progress"](#)
- [Section A.9, "Installation Complete"](#)

A.1 Installation Inventory Setup



If this is your first Oracle installation on a host that is running UNIX or Linux system software, you must use this screen to specify the location of the Oracle central inventory directory.

The inventory directory is used by the installer to keep track of all Oracle products installed on the computer.

The following table describes the fields on this page.

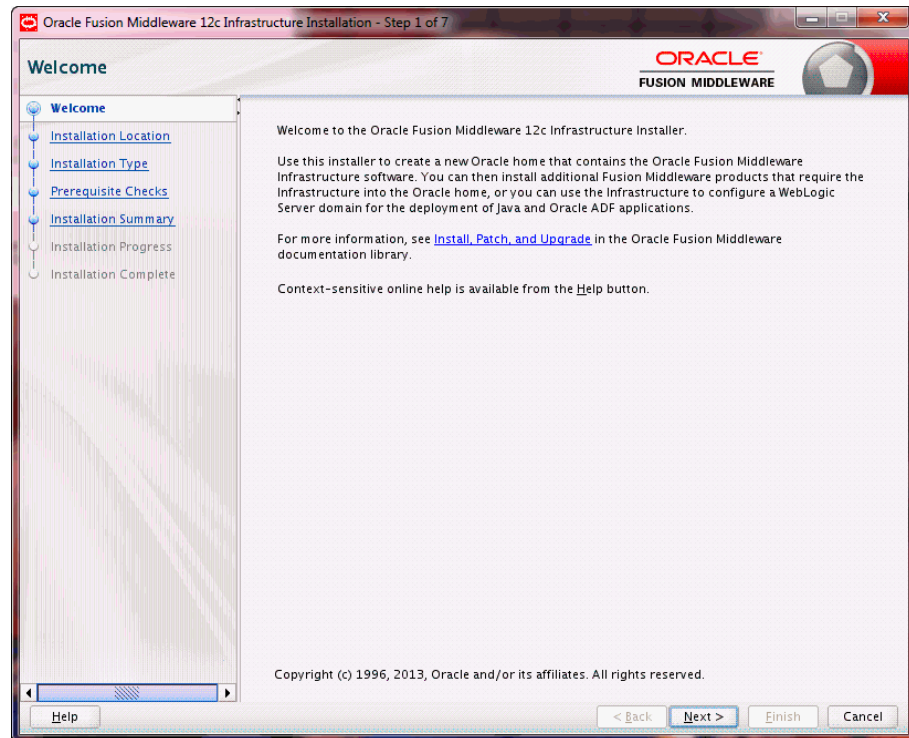
Field	Description
Inventory Directory	<p>Use this field to identify the complete path for the new Oracle inventory directory that will be created.</p> <p>By default, the installer assumes you will create the Oracle inventory in a directory, based on the following environment variable and path:</p> <pre>\$USER_HOME/orainventory</pre> <p>If this location is not appropriate for your environment, enter a new path for the location of the inventory directory.</p> <p>Note that the inventory directory will eventually contain many files, including log files for each Oracle software installation you perform on this machine.</p>
Operating System Group Name	<p>From the Operating System Group drop-down menu, 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 machine.</p>

When you click **OK**, a script called `createCentralInventory.sh` will be created in the specified inventory directory. Run this script to create a pointer file in a standard directory that will contain the name of the inventory directory you specify in this window.. This script must be run as `root` user.

Note: The preferred method of managing your Oracle installations is to create a central inventory directory with the shell script. The script creates a central pointer file to the inventory directory specified on this screen. By running this script, the central pointer gets created, thus making this inventory directory the common inventory directory for all future installers by any user.

For more information about the Oracle central inventory, see [Section 1.2](#).

A.2 Welcome

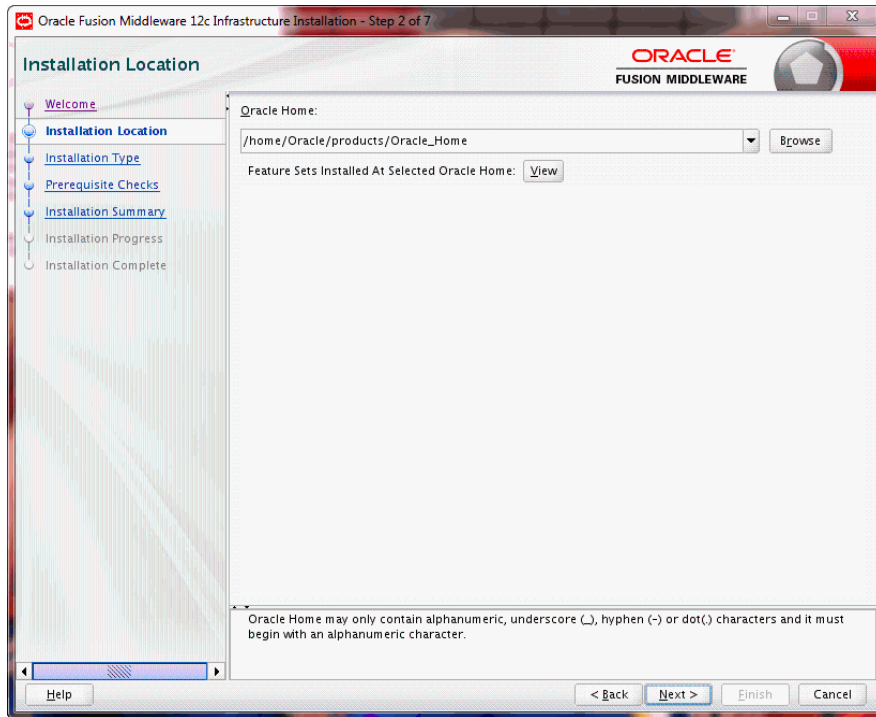


This page introduces you to the Oracle Fusion Middleware installer and provides two important pieces of information:

- A navigation pane on the left that summarizes the tasks the installer will help you complete. Each item in the navigation pane represents a specific installer screen that will prompt you for information required to install the software.
- Information about any prerequisites you might need to perform before continuing with the installation.

Review the information on this screen carefully to be sure you have performed all the necessary prerequisites.

A.3 Installation Location

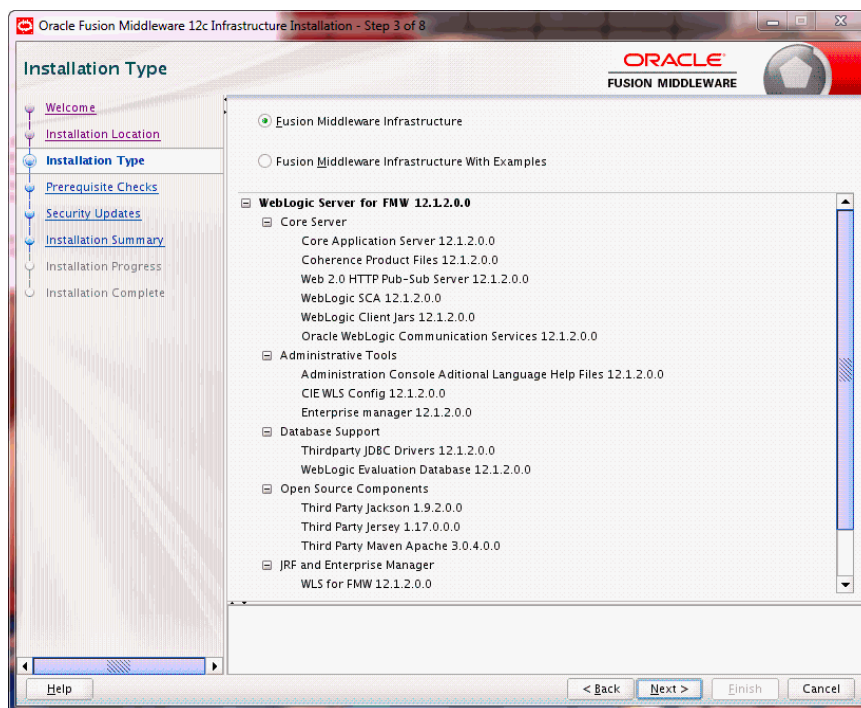


If you have an existing directory into which one or more Oracle products have already been installed, that directory can be viewed in the drop-down list. You can see which products are installed in that particular directory by clicking **View** next to "Features Sets Installed at Selected Oracle Home."

If you want your product to be installed in a new directory, type the full path of your new directory in the Oracle Home field; the installer will create the specified directory for you.

If you are installing Oracle Fusion Middleware Infrastructure, then the Oracle Common home (`oracle_common`) directory will be created inside the specified Oracle home directory. The Oracle Common home contains services that are shared across all Oracle Fusion Middleware products.

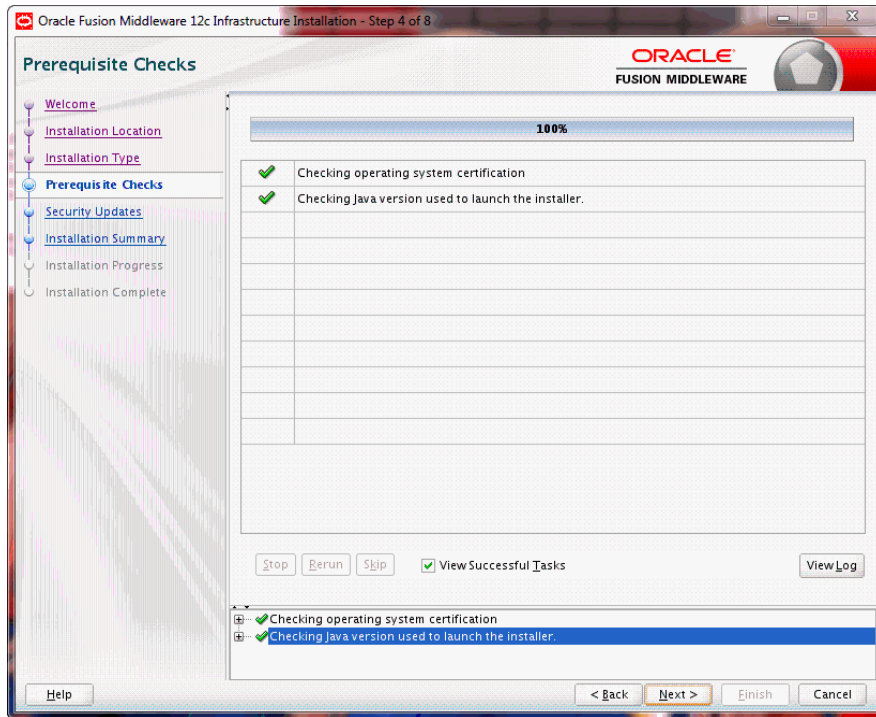
A.4 Installation Type



Use this screen to determine the type of installation you want to perform and consequently, which products and features are installed.

The options you see on this screen will differ depending on the product you are installing. Refer to your product installation guide for specific details.

A.5 Prerequisite Checks

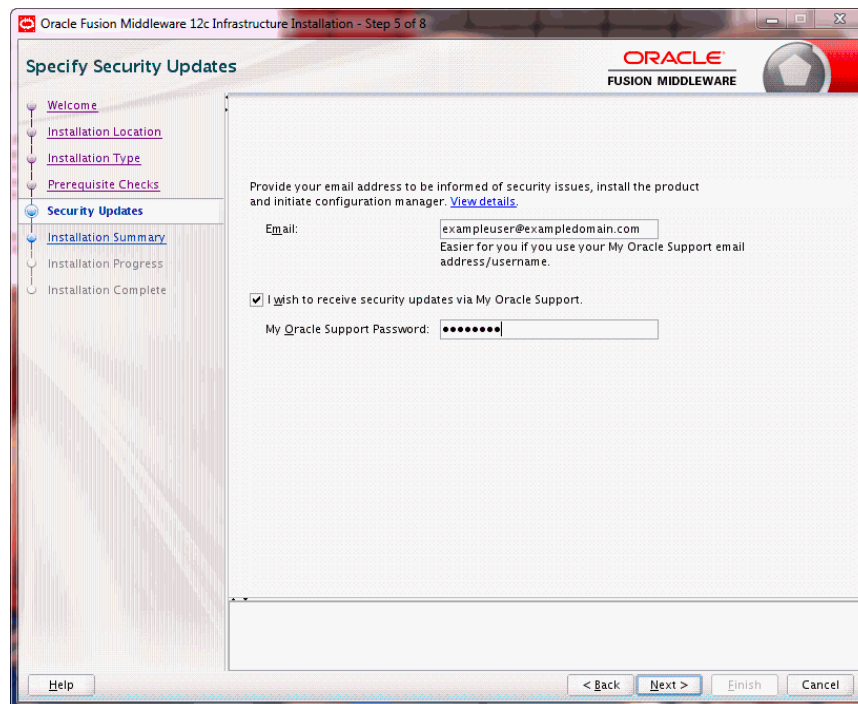


This screen analyzes the host computer to ensure that specific operating system prerequisites have been met.

The following table describes the options on this screen.

Button	Description
Stop	Click this button to stop prerequisite checking for all components.
Rerun	Click this button if you have encountered any warning or error messages, addressed them appropriately, and want to try the prerequisite checking again.
Skip	Click this button to ignore any error or warning messages and continue with the installation.
View Successful Tasks	This checkbox is selected by default, and shows the list of tasks in the main part of the screen as they are completed. De-select this checkbox if you do not want to see the list of tasks.
View Log	Click this button to open a separate window containing a detailed log file of the prerequisite checking.

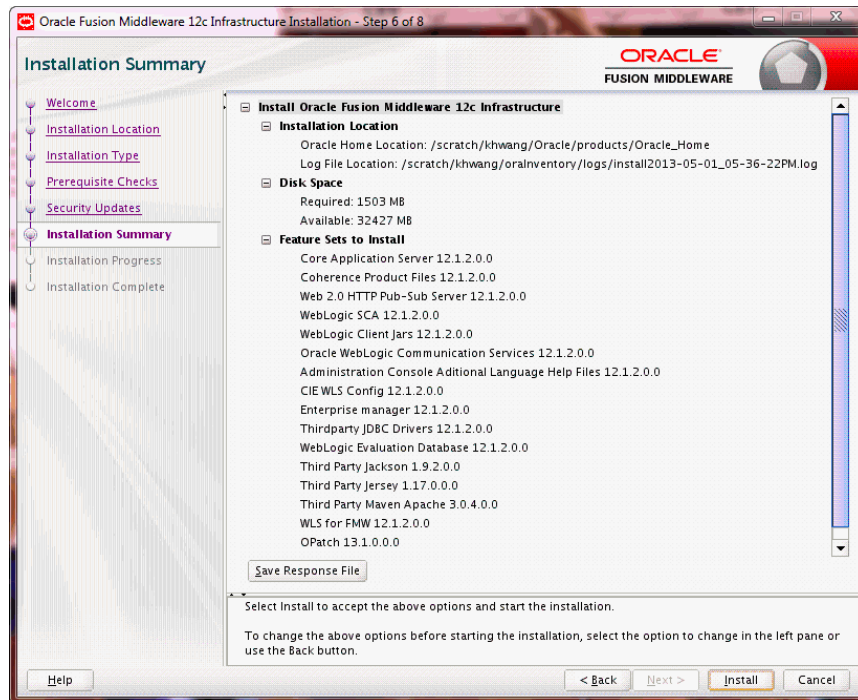
A.6 Specify Security Updates



If you wish to register your installation, enter your Email address and your My Oracle Support password. If you wish to decline registration, deselect "I wish to receive security updates via My Oracle Support" and confirm your choice.

If you have not already done so, you may register with My Oracle Support at <https://support.oracle.com/CSP/ui/flash.html>.

A.7 Installation Summary

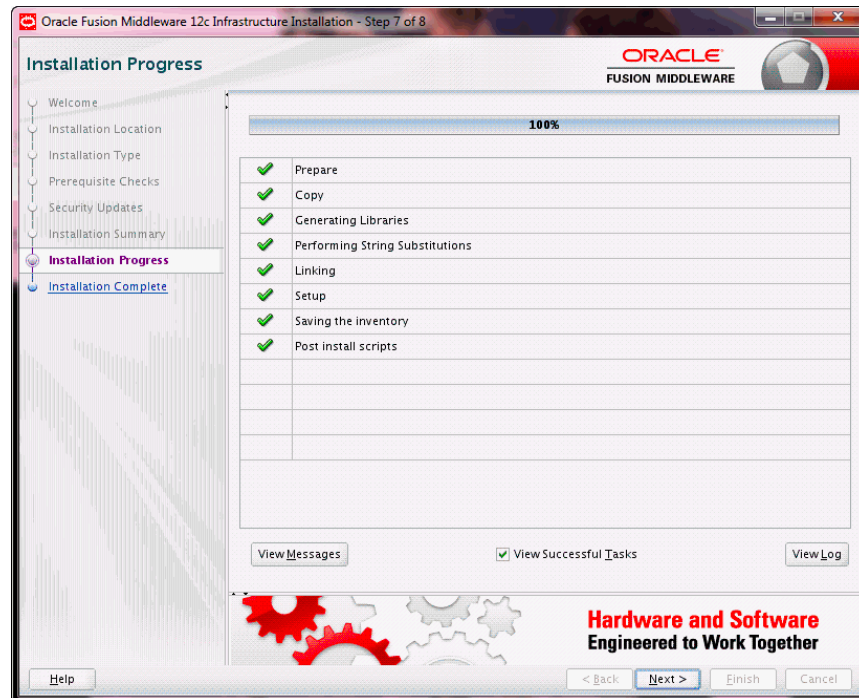


The Installation Summary screen contains a list of the feature sets you selected for installation, along with the approximate amount of disk space to be used by the feature sets once installation is complete.

You can also click on an individual component to display its approximate installed size.

Click **Save Response File** to save this configuration to a response file, which can be used later in a silent install situation. See [Chapter 2](#) for more information about response file and silent installation.

A.8 Installation Progress



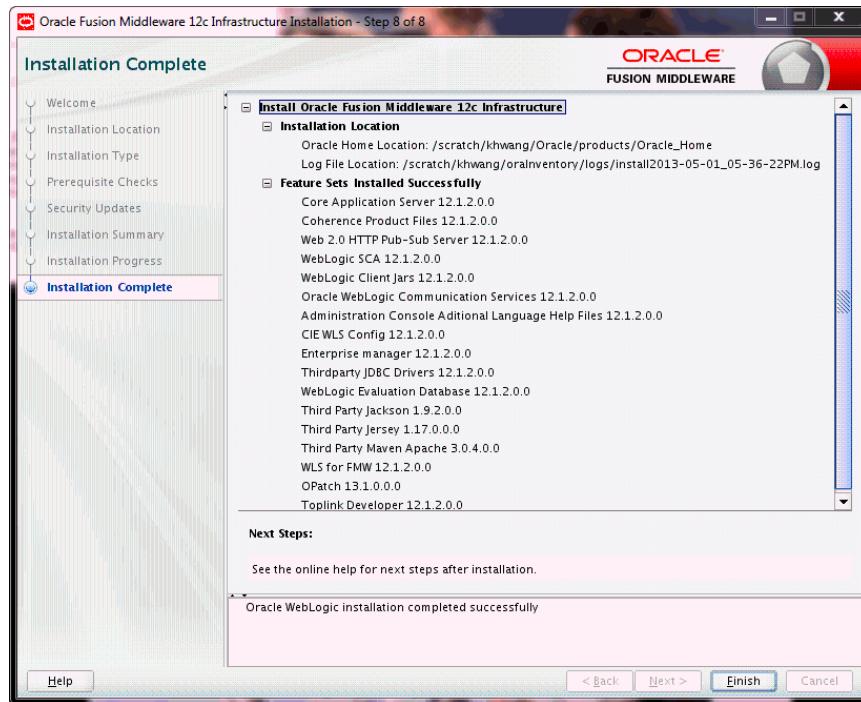
This screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete.

Note: The "Generating Libraries" task may take up to 70% of the total installation time on some system.

The following table describes the options on this screen.

Button	Description
View Messages	Click View Messages to see the installer messages at the bottom of the screen, where the billboard is located. Click the button again to return to the billboard.
View Successful Tasks	This checkbox is selected by default, and shows the list of tasks in the main part of the screen as they are completed. De-select this checkbox if you do not want to see the list of tasks.
View Log	Click View Log to see the installer log; the log will be displayed in a separate window.

A.9 Installation Complete



This screen appears at the conclusion of the installation and provides a summary of the products and features that were installed. Click **Finish** to dismiss the installer.

Some products will have a checkbox that, if selected, will automatically start the Configuration Wizard after the installer is dismissed.

B

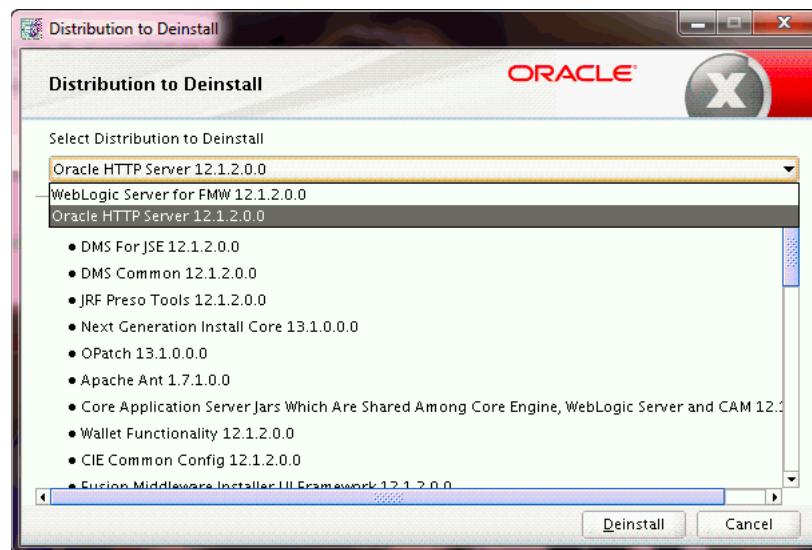
Oracle Universal Installer Deinstallation Screens

This chapter contains screenshots and descriptions of the Oracle Universal Installer deinstallation screens.

Below is a list of the screens covered in this appendix:

- [Section B.1, "Distribution to Deinstall"](#)
- [Section B.2, "Welcome"](#)
- [Section B.3, "Deinstallation Summary"](#)
- [Section B.4, "Deinstallation Progress"](#)
- [Section B.5, "Deinstallation Complete"](#)

B.1 Distribution to Deinstall

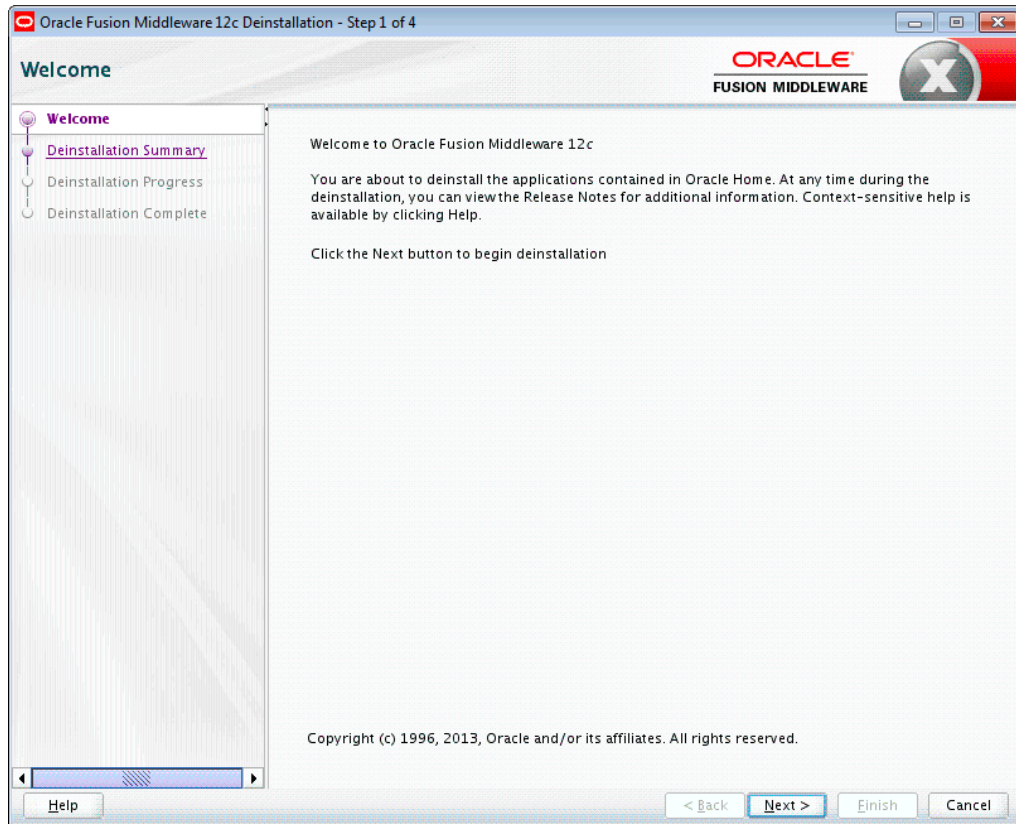


The installer will display this screen only if more than one distribution is detected in the Oracle home from where the program is started.

Select the distribution you want to deinstall from the drop-down list, then click **Deinstall**.

Beneath the drop-down list are the contents of the selected distribution, so you can verify that you are choosing to remove the correct distribution.

B.2 Welcome



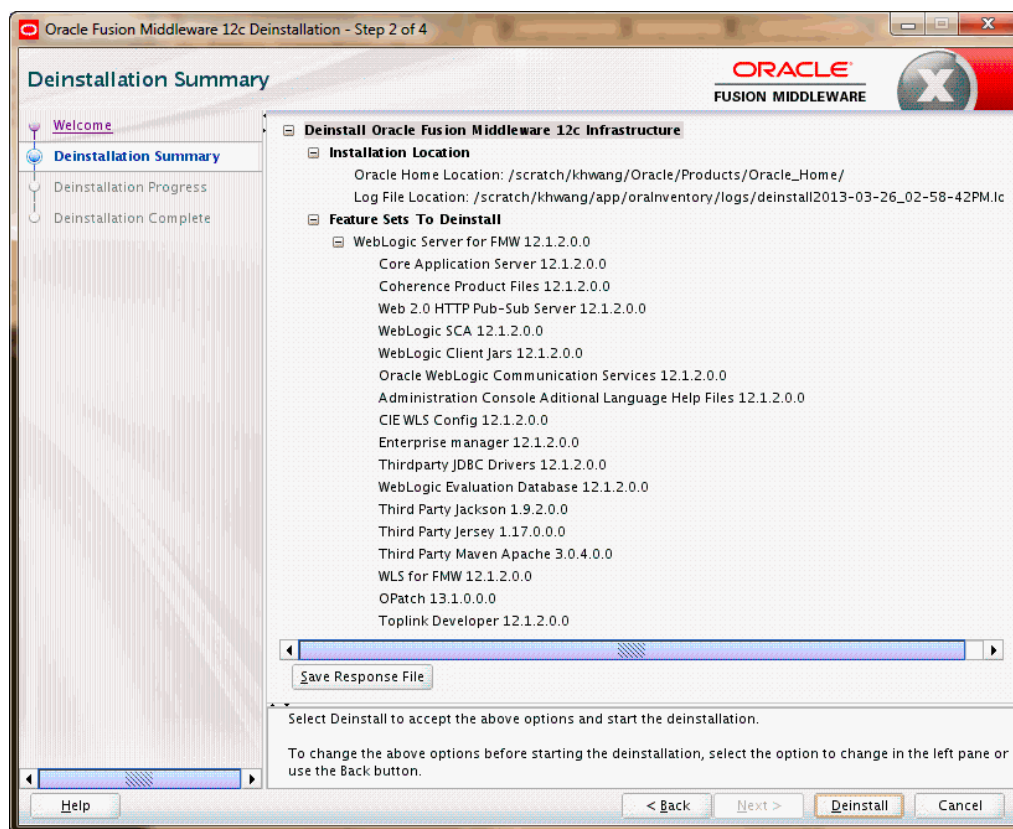
The installer displays this screen when you are about to deinstall one or more Oracle Fusion Middleware software products.

When you use the installer to deinstall your Oracle Fusion Middleware software, the installer removes the software files in the selected Oracle home from disk, updates the Oracle inventory, and performs other operating system-specific tasks to remove the products.

Like the Welcome screen that appears when you are about to install a product, the deinstall Welcome screen contains a navigation pane on the left that summarizes the tasks the installer will help you complete.

Each item in the navigation pane represents a specific installer screen that will prompt you for information required to install the software.

B.3 Deinstallation Summary



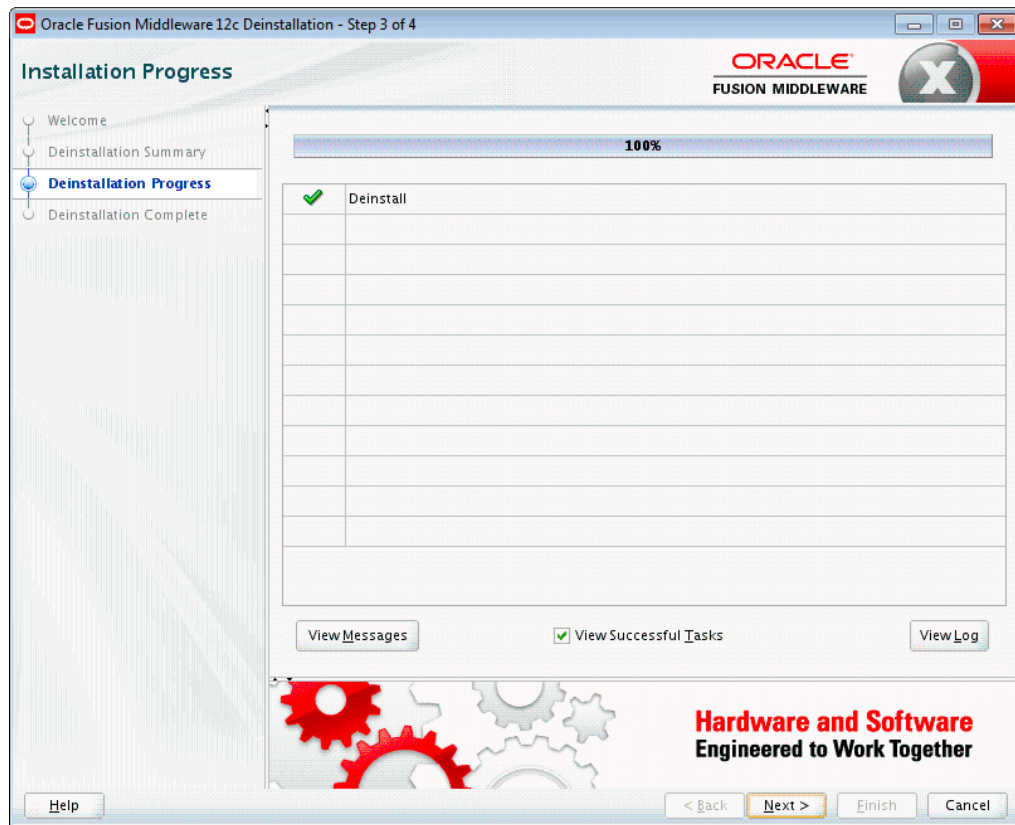
Use this screen to verify that you have selected the Oracle home that you want to deinstall.

If you want to save this configuration to a text file (called a response file), click **Save Response File**. The resulting response file can be used later if you choose to perform the same deinstallation procedure from the command line.

When you click **Deinstall**, then the installer will begin the process of deinstalling the Oracle home shown on this screen.

Note: Before you click **Deinstall**, ensure that all processes associated with the selected Oracle home have been stopped.

B.4 Deinstallation Progress

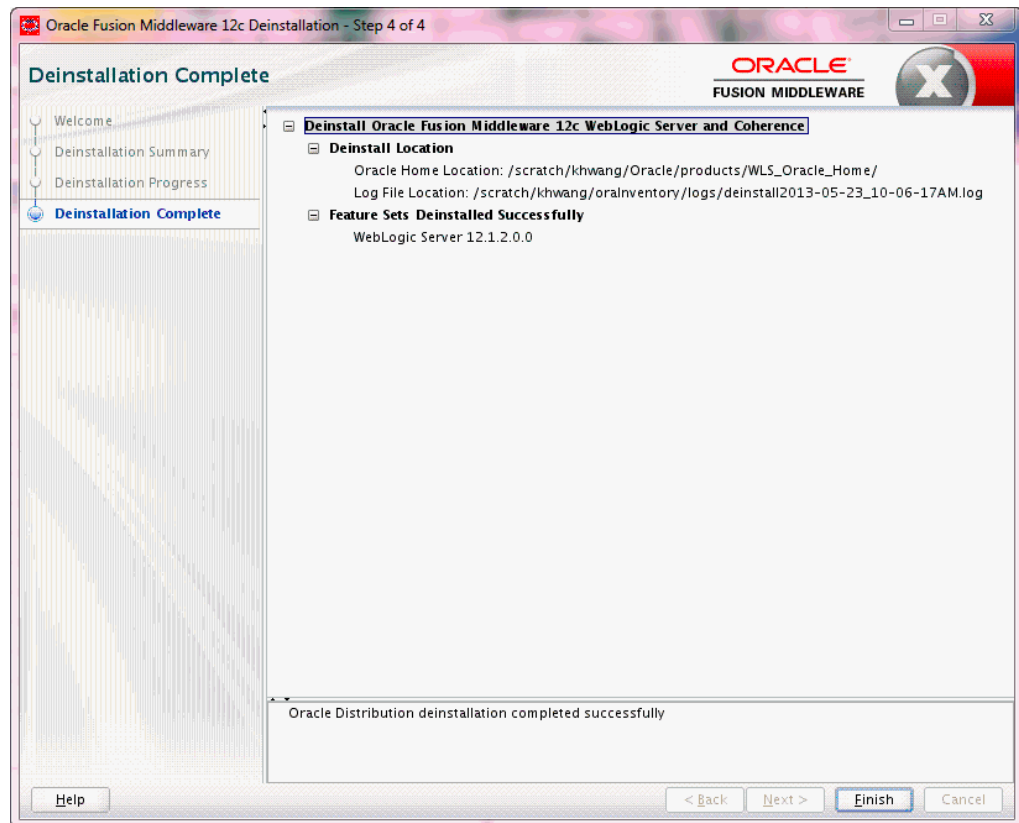


Use this screen to monitor the progress of the deinstallation process.

The following table describes the options on this screen.

Button	Description
View Messages	Click View Messages to see the installer messages at the bottom of the screen, where the billboard is located. Click the button again to return to the billboard.
View Successful Tasks	This checkbox is selected by default, and shows the list of tasks in the main part of the screen as they are completed. De-select this checkbox if you do not want to see the list of tasks.
View Log	Click View Log to see the installer log; the log will be displayed in a separate window.

B.5 Deinstallation Complete



This screen summarizes the deinstallation that was just completed. When this screen appears, it indicates that the deinstallation is complete and the specified products have been cleared from the Oracle Inventory.

Sample Response Files for Silent Installation

This appendix contains a sample response file for the Oracle Fusion Middleware Infrastructure and Oracle WebLogic Server and Coherence distributions.

For more information about the parameters in the response files, see [Section 2.2.3](#).

- [Section C.1, "Installation Response Files"](#)
- [Section C.2, "Deinstallation Response Files"](#)

C.1 Installation Response Files

This section contains the following:

- [Section C.1.1, "Sample Response Files for Oracle Fusion Middleware Infrastructure Installation"](#)
- [Section C.1.2, "Sample Response File for Oracle WebLogic Server and Coherence Installation"](#)

C.1.1 Sample Response Files for Oracle Fusion Middleware Infrastructure Installation

This section contains a sample response file that can be used for a silent installation of Oracle Fusion Middleware Infrastructure.

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#The oracle home location. This can be an existing Oracle Home or a new Oracle
Home
ORACLE_HOME=/home/Oracle/products/Oracle_Home

#Set this variable value to the Installation Type selected. e.g. Fusion Middleware
Infrastructure, Fusion Middleware Infrastructure With Examples.
INSTALL_TYPE=Fusion Middleware Infrastructure

#Provide the My Oracle Support Username. If you wish to ignore Oracle
Configuration Manager configuration provide empty string for user name.
MYORACLESUPPORT_USERNAME=

#Provide the My Oracle Support Password
MYORACLESUPPORT_PASSWORD=<SECURE VALUE>
```

```
#Set this to true if you wish to decline the security updates. Setting this to
true and providing empty string for My Oracle Support username will ignore the
Oracle Configuration Manager configuration
DECLINE_SECURITY_UPDATES=true

#Set this to true if My Oracle Support Password is specified
SECURITY_UPDATES_VIA_MYORACLESUPPORT=false

#Provide the Proxy Host
PROXY_HOST=

#Provide the Proxy Port
PROXY_PORT=

#Provide the Proxy Username
PROXY_USER=

#Provide the Proxy Password
PROXY_PWD=<SECURE VALUE>

#Type String (URL format) Indicates the OCM Repeater URL which should be of the
format [scheme[Http/Https]]://[repeater host]:[repeater port]
COLLECTOR_SUPPORTHUB_URL=
```

C.1.2 Sample Response File for Oracle WebLogic Server and Coherence Installation

This section contains a sample response file that can be used for a silent installation of Oracle WebLogic Server and Coherence.

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#The oracle home location. This can be an existing Oracle Home or a new Oracle
Home
ORACLE_HOME=/scratch/Oracle/products/Oracle_Home

#Set this variable value to the Installation Type selected. e.g. WebLogic Server,
Coherence, Complete with Examples.
INSTALL_TYPE=WebLogic Server

#Provide the My Oracle Support Username. If you wish to ignore Oracle
Configuration Manager configuration provide empty string for user name.
MYORACLESUPPORT_USERNAME=

#Provide the My Oracle Support Password
MYORACLESUPPORT_PASSWORD=<SECURE VALUE>

#Set this to true if you wish to decline the security updates. Setting this to
true and providing empty string for My Oracle Support username will ignore the
Oracle Configuration Manager configuration
DECLINE_SECURITY_UPDATES=true

#Set this to true if My Oracle Support Password is specified
SECURITY_UPDATES_VIA_MYORACLESUPPORT=false

#Provide the Proxy Host
```



```

PROXY_HOST=

#Provide the Proxy Port
PROXY_PORT=

#Provide the Proxy Username
PROXY_USER=

#Provide the Proxy Password
PROXY_PWD=<SECURE VALUE>

#Type String (URL format) Indicates the OCM Repeater URL which should be of the
format [scheme[Http/Https]]://[repeater host]:[repeater port]
COLLECTOR_SUPPORTHUB_URL=

```

C.2 Deinstallation Response Files

This section contains the following:

- [Section C.2.1, "Sample Response File for Oracle Fusion Middleware Infrastructure Deinstallation"](#)
- [Section C.2.2, "Sample Response Files for Oracle WebLogic Server and Coherence Deinstallation"](#)

C.2.1 Sample Response File for Oracle Fusion Middleware Infrastructure Deinstallation

This section contains a sample response file that can be used for a silent deinstallation of Oracle Fusion Middleware Infrastructure.

```

[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#This will be blank when there is nothing to be de-installed in distribution level
SELECTED_DISTRIBUTION=WebLogic Server for FMW~12.1.2.0.0

#The oracle home location. This can be an existing Oracle Home or a new Oracle
Home
ORACLE_HOME=/home/Oracle/products/Oracle_Home/

```

C.2.2 Sample Response Files for Oracle WebLogic Server and Coherence Deinstallation

This section contains a sample response file that can be used for a silent deinstallation of Oracle WebLogic Server and Coherence.

```

[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#This will be blank when there is nothing to be de-installed in distribution level
SELECTED_DISTRIBUTION=WebLogic Server~12.1.2.0.0

```

```
#The oracle home location. This can be an existing Oracle Home or a new Oracle  
Home  
ORACLE_HOME=/home/Oracle/products/Oracle_Home/
```

Understanding Output From the viewInventory and compareInventory Scripts

This appendix contains sample output from the `viewInventory` and `compareInventory` scripts.

This appendix includes the following sections:

- [Section D.1, "viewInventory Sample Output"](#)
- [Section D.2, "compareInventory Sample Output"](#)

D.1 viewInventory Sample Output

This section contains sample output for the `viewInventory` script:

- [Section D.1.1, "Sample viewInventory Output to Terminal Window"](#)
- [Section D.1.2, "Sample viewInventory Output to CSV File"](#)
- [Section D.1.3, "Sample viewInventory Output to XML File"](#)

D.1.1 Sample viewInventory Output to Terminal Window

Below is the output from the `viewInventory` script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to the terminal window.

The command used to generate the output is shown on the first line:

```
./viewInventory.sh
Oracle Home: /home/Oracle/products/Oracle_Home
Distribution: WebLogic Server for FMW 12.1.2.0.0
FeatureSet: jrf_dmsJse 12.1.2.0.0
Component: oracle.jse.dms 12.1.2.0.0
FeatureSet: jrf_dmsCommon 12.1.2.0.0
Component: oracle.jrf.dms.common 12.1.2.0.0
FeatureSet: jrf_presoTools 12.1.2.0.0
Component: oracle.help.ohj 12.1.2.0.0
Component: oracle.help.share 12.1.2.0.0
Component: oracle.bali.ice 6.1.3.2.0
Component: oracle.bali.jewt 12.1.2.0.0
Component: oracle.bali.share 12.1.2.0.0
Component: oracle.fmw.common.wizard.resources 12.1.2.0.0
FeatureSet: oam_core 12.1.2.0.0
Component: oracle.oamclient.core 12.1.2.0.0
FeatureSet: oam_wlsCore 12.1.2.0.0
Component: oracle.oamclient.wls 12.1.2.0.0
```

```
FeatureSet: nginst_core 13.1.0.0.0
  Component: oracle.nginst.core 13.1.0.0.0
FeatureSet: opatch 13.1.0.0.0
  Component: oracle.swd.opatch 13.1.0.0.0
FeatureSet: toplink 12.1.2.0.0
  Component: oracle.jrf.toplink 12.1.2.0.0
FeatureSet: toplink_coherence 12.1.2.0.0
  Component: oracle.toplink.coherence 12.1.2.0.0
FeatureSet: toplink_developer 12.1.2.0.0
  Component: oracle.toplink.developer 12.1.2.0.0
FeatureSet: thirdParty_apacheAnt 1.7.1.0.0
  Component: oracle.apache.ant.mod 1.7.1.0.0
FeatureSet: wls_commonServices 12.1.2.0.0
  Component: oracle.wls.common.cam 12.1.2.0.0
  Component: oracle.wls.common.nodemanager 12.1.2.0.0
  Component: oracle.wls.common.cam.wlst 12.1.2.0.0
  Component: oracle.wls.shared.with.cam 12.1.2.0.0
FeatureSet: coherence 12.1.2.0.0
  Component: oracle.coherence 12.1.2.0.0
FeatureSet: jrf_dmsFull 12.1.2.0.0
  Component: oracle.jrf.dms 12.1.2.0.0
FeatureSet: oam_wlsFmw 12.1.2.0.0
FeatureSet: orapki 12.1.2.0.0
  Component: oracle.osdt.core 12.1.2.0.0
  Component: oracle.pki 12.1.2.0.0
  Component: oracle.rsa.crypto 12.1.2.0.0
FeatureSet: cieCfg_common 12.1.2.0.0
  Component: oracle.fmwconfig.common.shared 12.1.2.0.0
FeatureSet: fmw_install_framework 12.1.2.0.0
  Component: oracle.as.install.ui.framework 12.1.2.0.0
  Component: oracle.as.install.common.help 12.1.2.0.0
FeatureSet: thirdParty_oracleJaxbRITools 2.2.7.0.0
FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.7.0.0
FeatureSet: thirdParty_oracleJaxbRIBCore 2.2.7.0.0
FeatureSet: thirdParty_oracleJaxbRI 2.2.7.0.0
FeatureSet: fmw_install_wls 12.1.2.0.0
  Component: oracle.as.install.wls 12.1.2.0.0
  Component: oracle.as.install.wls.prerequisite 12.1.2.0.0
FeatureSet: cieCfg_wls_shared 12.1.2.0.0
  Component: oracle.fmwconfig.common.wls.shared 12.1.2.0.0
  Component: oracle.fmwconfig.wls.shared 12.1.2.0.0
  Component: oracle.fmwconfig.common.wls.help 12.1.2.0.0
FeatureSet: cieCfg_wls 12.1.2.0.0
  Component: oracle.fmwconfig.wls 12.1.2.0.0
  Component: oracle.fmwconfig.common.wls 12.1.2.0.0
FeatureSet: thirdParty_orgCodehausWoodstox 4.1.2.0.0
  Component: org.codehaus.woodstox 4.1.2.0.0
FeatureSet: orawsdl 12.1.2.0.0
  Component: oracle.webservices.orawsdl 12.1.2.0.0
FeatureSet: ws_base 12.1.2.0.0
  Component: oracle.webservices.base 12.1.2.0.0
FeatureSet: oracledb_xdk 12.1.2.0.0
  Component: oracle.xdk.jrf 12.1.2.0.0
  Component: oracle.xdk.jrf.jaxp 12.1.2.0.0
  Component: oracle.xdk.jrf.fmw 12.1.2.0.0
  Component: oracle.xdk.jrf.xmlparserv2 12.1.2.0.0
FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.0
  Component: oracle.apache.common.lang.mod 2.6.0.0.0
FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.0
  Component: oracle.apache.common.collections.mod 3.2.0.0.0
```

```
FeatureSet: wls_portableSharedWithCoreEngine 12.1.2.0.0
  Component: oracle.wls.wlsportable.server.shared.with.core.engine.mod
12.1.2.0.0
FeatureSet: wls_portable 12.1.2.0.0
  Component: oracle.wls.wlsportable.mod 12.1.2.0.0
FeatureSet: thirdParty_oracleJersey 1.17.0.0.0
  Component: oracle.jersey 12.1.2.0.0
FeatureSet: thirdParty_fasterxmlJackson 1.9.2.0.0
  Component: oracle.jackson 12.1.2.0.0
FeatureSet: jrf_core 12.1.2.0.0
  Component: oracle.jrf.j2ee 12.1.2.0.0
  Component: oracle.jrf.infra.common 12.1.2.0.0
  Component: oracle.jrf.thirdparty.jee 12.1.2.0.0
  Component: oracle.jrf.iau 12.1.2.0.0
  Component: oracle.opss.core 12.1.2.0.0
  Component: oracle.jrf.thirdparty.toplink 12.1.2.0.0
  Component: oracle.jrf.toplink 12.1.2.0.0
  Component: oracle.javavm.jrf 11.2.0.3.0
  Component: oracle.nlsrtl.jrf 11.2.0.3.0
  Component: oracle.rdbms.jrf 11.2.0.3.0
  Component: oracle.nlsjdk 12.1.2.0.0
  Component: oracle.nlsjdk 12.1.2.0.0
FeatureSet: jrf_wlsCore 12.1.2.0.0
  Component: oracle.opss.wls 12.1.2.0.0
FeatureSet: httpclient 12.1.2.0.0
  Component: oracle.http_client 12.1.2.0.0
FeatureSet: owsm_fmCPlugin 12.1.2.0.0
  Component: oracle.wsm.console.core 12.1.2.0.0
FeatureSet: wls_core_app_server_css_mod 12.1.2.0.0
  Component: oracle.wls.core.app.server 12.1.2.0.0
  Component: oracle.css.mod 12.1.2.0.0
FeatureSet: jrf_commonFmw 12.1.2.0.0
  Component: oracle.jrf.infra.fmw.common 12.1.2.0.0
  Component: oracle.jrf.applcore 12.1.2.0.0
  Component: oracle.jrf.datadirect 12.1.2.0.0
  Component: oracle.webservices.jrf 12.1.2.0.0
  Component: oracle.rcu.iau 12.1.2.0.0
  Component: oracle.rcu.opss 12.1.2.0.0
  Component: oracle.wsm.agent.fmw 12.1.2.0.0
  Component: oracle.wsm.common 12.1.2.0.0
  Component: oracle.wsm.pmlib 12.1.2.0.0
  Component: oracle.wsm.jrf 12.1.2.0.0
  Component: oracle.opss.jrf 12.1.2.0.0
  Component: oracle.osdt.jrf 12.1.2.0.0
  Component: oracle.sslconfig.jrf 12.1.2.0.0
  Component: oracle.owasp.jrf 12.1.2.0.0
  Component: oracle.pwdgen.jrf 12.1.2.0.0
  Component: oracle.ldap.jrf 12.1.2.0.0
  Component: oracle.jakarta 12.1.2.0.0
  Component: oracle.jgroups 12.1.2.0.0
  Component: oracle.jsch 12.1.2.0.0
  Component: oracle.jython 12.1.2.0.0
  Component: oracle.as.common.clone 12.1.2.0.0
  Component: oracle.common.rcu.config 12.1.2.0.0
  Component: oracle.rcu.ucs.messaging 12.1.2.0.0
  Component: oracle.sdp.messaging 12.1.2.0.0
  Component: oracle.rcu.doc 12.1.2.0.0
  Component: oracle.help.ohw.rcf 12.1.2.0.0
  Component: oracle.help.ohw.share 12.1.2.0.0
  Component: oracle.help.ohw.uix 12.1.2.0.0
```

```
Component: oracle.fmw.upgrade 12.1.2.0.0
Component: oracle.nlsjdk 12.1.2.0.0
Component: oracle.nlspdk 12.1.2.0.0
Component: oracle.webcenter.pageeditor 12.1.2.0.0
Component: oracle.webcenter.portlet.consumer 12.1.2.0.0
Component: oracle.webcenter.portlet.server 12.1.2.0.0
Component: oracle.webcenter.rest 12.1.2.0.0
Component: oracle.webcenter.skin 12.1.2.0.0
Component: oracle.webcenter.wccore 12.1.2.0.0
Component: oracle.javavm.jrf 11.2.0.3.0
Component: oracle.nlsrtl.jrf 11.2.0.3.0
Component: oracle.rdbms.jrf 11.2.0.3.0
Component: oracle.jrf.adfvt 12.1.2.0.0
Component: oracle.bali.cabo 12.1.2.0.0
Component: oracle.rcu.mds 12.1.2.0.0
Component: oracle.xdk.jrf.xmlparserv2 12.1.2.0.0
Component: oracle.xdk.jrf.fmw 12.1.2.0.0
Component: oracle.xdk.jrf 12.1.2.0.0
Component: oracle.xdk.jrf.jaxp 12.1.2.0.0
Component: oracle.bali.ewt 12.1.2.0.0
FeatureSet: wls_devServer 12.1.2.0.0
Component: oracle.wls.core.app.server.mod 12.1.2.0.0
Component: oracle.wls.core.app.server.tier1nativelib 12.1.2.0.0
Component: oracle.wls.workshop.code.completion.support 12.1.2.0.0
Component: oracle.css.wls 12.1.2.0.0
Component: oracle.mysqlconn 12.1.2.0.0
Component: oracle.javavm.jrf 11.2.0.3.0
Component: oracle.nlsrtl.jrf 11.2.0.3.0
Component: oracle.ons 12.1.2.0.0
Component: oracle.xdk.jrf.jaxp 12.1.2.0.0
Component: oracle.wls.server.shared.with.core.engine 12.1.2.0.0
FeatureSet: wls_adminConsoleEnglish 12.1.2.0.0
Component: oracle.wls.admin.console.en 12.1.2.0.0
FeatureSet: wls_server 12.1.2.0.0
FeatureSet: JavaDb 12.1.2.0.0
Component: oracle.wls.evaluation.database 12.1.2.0.0
FeatureSet: wls_adminConsoleMultiLang 12.1.2.0.0
Component: oracle.wls.admin.console.nonen 12.1.2.0.0
FeatureSet: wls_sca 12.1.2.0.0
Component: oracle.wls.weblogic.sca 12.1.2.0.0
FeatureSet: wls_thirdPartyJdbc 12.1.2.0.0
Component: oracle.datadirect 12.1.2.0.0
FeatureSet: jrf_wlsFmw 12.1.2.0.0
Component: oracle.jrf.infra.fmw.wls 12.1.2.0.0
Component: oracle.wsm.agent.wls 12.1.2.0.0
FeatureSet: wls_pubsubSharedWithCoreEngine 12.1.2.0.0
Component: oracle.wls.http.pubsub.server.shared.with.core.engine 12.1.2.0.0
FeatureSet: wls_pubsub 12.1.2.0.0
Component: oracle.wls.http.pubsub.server 12.1.2.0.0
FeatureSet: em_fmc 12.1.2.0.0
Component: oracle.sysman.fmw.agent 12.1.2.0.0
Component: oracle.sysman.fmw.as 12.1.2.0.0
Component: oracle.sysman.fmw.core 12.1.2.0.0
Component: oracle.sysman.rcu 12.1.2.0.0
FeatureSet: owlcs 12.1.2.0.0
Component: oracle.ucsc.callcontrol 12.1.2.0.0
Component: oracle.rcu.ucsc.callcontrol 12.1.2.0.0
Component: oracle.thirdparty.jtapi 12.1.2.0.0
FeatureSet: wls4fmw 12.1.2.0.0
FeatureSet: adr_platforms 12.1.2.0.0
```

```

Component: oracle.adr 12.1.2.0.0
FeatureSet: emll_ccr 10.3.7.0.0
Component: oracle.sysman.ccr 10.3.8.1.0
FeatureSet: properties_loader 12.1.2.0.0
Component: oracle.as.customqna.jdkqna 12.1.2.0.0
FeatureSet: rda_core 12.1.2.0.0
Component: oracle.rda 4.30.0.0.0
FeatureSet: t2p 12.1.2.0.0
Component: oracle.as.common.clone 12.1.2.0.0
FeatureSet: thirdParty_apacheMaven 3.0.4.0.0
Component: oracle.thirdparty.maven 3.0.4.0.0
Component: oracle.jrf.maven.plugins.sync 12.1.2.0.0
Component: oracle.jrf.maven.plugins.gar 12.1.2.0.0
Component: oracle.jrf.maven.archetypes.gar 12.1.2.0.0
FeatureSet: wls_client 12.1.2.0.0
Component: oracle.wls.clients 12.1.2.0.0

```

D.1.2 Sample viewInventory Output to CSV File

Below is the output from the viewInventory script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to a CVS file.

The command used to generate this output was:

```
./viewInventory -output_file /home/userhome/inventory.csv
```

Below is the sample output:

```

Oracle Home,/home/Oracle/products/Oracle_Home
Distribution,WebLogic Server for FMW,12.1.2.0.0
FeatureSet,jrf_dmsJse,12.1.2.0.0
Component,oracle.jse.dms,12.1.2.0.0
FeatureSet,jrf_dmsCommon,12.1.2.0.0
Component,oracle.jrf.dms.common,12.1.2.0.0
FeatureSet,jrf_presoTools,12.1.2.0.0
Component,oracle.help.ohj,12.1.2.0.0
Component,oracle.help.share,12.1.2.0.0
Component,oracle.bali.ice,6.1.3.2.0
Component,oracle.bali.jwt,12.1.2.0.0
Component,oracle.bali.share,12.1.2.0.0
Component,oracle.fmw.common.wizard.resources,12.1.2.0.0
FeatureSet,oam_core,12.1.2.0.0
Component,oracle.oamclient.core,12.1.2.0.0
FeatureSet,oam_wlsCore,12.1.2.0.0
Component,oracle.oamclient.wls,12.1.2.0.0
FeatureSet,nginst_core,13.1.0.0.0
Component,oracle.nginst.core,13.1.0.0.0
FeatureSet,opatch,13.1.0.0.0
Component,oracle.swd.opatch,13.1.0.0.0
FeatureSet,toplink,12.1.2.0.0
Component,oracle.jrf.toplink,12.1.2.0.0
FeatureSet,toplink_coherence,12.1.2.0.0
Component,oracle.toplink.coherence,12.1.2.0.0
FeatureSet,toplink_developer,12.1.2.0.0
Component,oracle.toplink.developer,12.1.2.0.0
FeatureSet,thirdParty_apacheAnt,1.7.1.0.0
Component,oracle.apache.ant.mod,1.7.1.0.0
FeatureSet,wls_commonServices,12.1.2.0.0
Component,oracle.wls.common.cam,12.1.2.0.0
Component,oracle.wls.common.nodemanager,12.1.2.0.0
Component,oracle.wls.common.cam.wlst,12.1.2.0.0

```

Component,oracle.wls.shared.with.cam,12.1.2.0.0
FeatureSet,coherence,12.1.2.0.0
Component,oracle.coherence,12.1.2.0.0
FeatureSet,jrf_dmsFull,12.1.2.0.0
Component,oracle.jrf.dms,12.1.2.0.0
FeatureSet,oam_wlsFmw,12.1.2.0.0
FeatureSet,orapki,12.1.2.0.0
Component,oracle.osdt.core,12.1.2.0.0
Component,oracle.pki,12.1.2.0.0
Component,oracle.rsa.crypto,12.1.2.0.0
FeatureSet,cieCfg_common,12.1.2.0.0
Component,oracle.fmwconfig.common.shared,12.1.2.0.0
FeatureSet,fmw_install_framework,12.1.2.0.0
Component,oracle.as.install.ui.framework,12.1.2.0.0
Component,oracle.as.install.common.help,12.1.2.0.0
FeatureSet,thirdParty_oracleJaxbRITools,2.2.7.0.0
FeatureSet,thirdParty_oracleJaxbRIRuntime,2.2.7.0.0
FeatureSet,thirdParty_oracleJaxbRiCore,2.2.7.0.0
FeatureSet,thirdParty_oracleJaxbRI,2.2.7.0.0
FeatureSet,fmw_install_wls,12.1.2.0.0
Component,oracle.as.install.wls,12.1.2.0.0
Component,oracle.as.install.wls.prerequisite,12.1.2.0.0
FeatureSet,cieCfg_wls_shared,12.1.2.0.0
Component,oracle.fmwconfig.common.wls.shared,12.1.2.0.0
Component,oracle.fmwconfig.wls.shared,12.1.2.0.0
Component,oracle.fmwconfig.common.wls.help,12.1.2.0.0
FeatureSet,cieCfg_wls,12.1.2.0.0
Component,oracle.fmwconfig.wls,12.1.2.0.0
Component,oracle.fmwconfig.common.wls,12.1.2.0.0
FeatureSet,thirdParty_orgCodehausWoodstox,4.1.2.0.0
Component,org.codehaus.woodstox,4.1.2.0.0
FeatureSet,orawsdl,12.1.2.0.0
Component,oracle.webservices.orawsdl,12.1.2.0.0
FeatureSet,ws_base,12.1.2.0.0
Component,oracle.webservices.base,12.1.2.0.0
FeatureSet,oracledb_xdk,12.1.2.0.0
Component,oracle.xdk.jrf,12.1.2.0.0
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0
Component,oracle.xdk.jrf.fmw,12.1.2.0.0
Component,oracle.xdk.jrf.xmlparserv2,12.1.2.0.0
FeatureSet,thirdParty_apacheCommonsLang,2.6.0.0.0
Component,oracle.apache.commons.lang.mod,2.6.0.0.0
FeatureSet,thirdParty_apacheCommonsCollections,3.2.0.0.0
Component,oracle.apache.commons.collections.mod,3.2.0.0.0
FeatureSet,wls_portableSharedWithCoreEngine,12.1.2.0.0
Component,oracle.wls.wlsportable.server.shared.with.core.engine.mod,12.1.2.0.0
FeatureSet,wls_portable,12.1.2.0.0
Component,oracle.wls.wlsportable.mod,12.1.2.0.0
FeatureSet,thirdParty_oracleJersey,1.17.0.0.0
Component,oracle.jersey,12.1.2.0.0
FeatureSet,thirdParty_fasterxmlJackson,1.9.2.0.0
Component,oracle.jackson,12.1.2.0.0
FeatureSet,jrf_core,12.1.2.0.0
Component,oracle.jrf.j2ee,12.1.2.0.0
Component,oracle.jrf.infra.common,12.1.2.0.0
Component,oracle.jrf.thirdparty.jee,12.1.2.0.0
Component,oracle.jrf.iau,12.1.2.0.0
Component,oracle.opss.core,12.1.2.0.0
Component,oracle.jrf.thirdparty.toplink,12.1.2.0.0
Component,oracle.jrf.toplink,12.1.2.0.0


```
Component,oracle.javavm.jrf,11.2.0.3.0
Component,oracle.nlsrtl.jrf,11.2.0.3.0
Component,oracle.rdbms.jrf,11.2.0.3.0
Component,oracle.nlsgdk,12.1.2.0.0
Component,oracle.nlspdk,12.1.2.0.0
FeatureSet,jrf_wlsCore,12.1.2.0.0
Component,oracle.opss.wls,12.1.2.0.0
FeatureSet,httpclient,12.1.2.0.0
Component,oracle.http_client,12.1.2.0.0
FeatureSet,owsm_fmcPlugin,12.1.2.0.0
Component,oracle.wsm.console.core,12.1.2.0.0
FeatureSet,wls_core_app_server_css_mod,12.1.2.0.0
Component,oracle.wls.core.app.server,12.1.2.0.0
Component,oracle.css.mod,12.1.2.0.0
FeatureSet,jrf_commonFmw,12.1.2.0.0
Component,oracle.jrf.infra.fmw.common,12.1.2.0.0
Component,oracle.jrf.applcore,12.1.2.0.0
Component,oracle.jrf.datadirect,12.1.2.0.0
Component,oracle.webservices.jrf,12.1.2.0.0
Component,oracle.rcu.iau,12.1.2.0.0
Component,oracle.rcu.opss,12.1.2.0.0
Component,oracle.wsm.agent.fmw,12.1.2.0.0
Component,oracle.wsm.common,12.1.2.0.0
Component,oracle.wsm.pmlib,12.1.2.0.0
Component,oracle.wsm.jrf,12.1.2.0.0
Component,oracle.opss.jrf,12.1.2.0.0
Component,oracle.osdt.jrf,12.1.2.0.0
Component,oracle.sslconfig.jrf,12.1.2.0.0
Component,oracle.owasp.jrf,12.1.2.0.0
Component,oracle.pwdgen.jrf,12.1.2.0.0
Component,oracle.ldap.jrf,12.1.2.0.0
Component,oracle.jakarta,12.1.2.0.0
Component,oracle.jgroups,12.1.2.0.0
Component,oracle.jsch,12.1.2.0.0
Component,oracle.jython,12.1.2.0.0
Component,oracle.as.common.clone,12.1.2.0.0
Component,oracle.common.rcu.config,12.1.2.0.0
Component,oracle.rcu.ucs.messaging,12.1.2.0.0
Component,oracle.sdp.messaging,12.1.2.0.0
Component,oracle.rcu.doc,12.1.2.0.0
Component,oracle.help.ohw.rcf,12.1.2.0.0
Component,oracle.help.ohw.share,12.1.2.0.0
Component,oracle.help.ohw.uix,12.1.2.0.0
Component,oracle.fmw.upgrade,12.1.2.0.0
Component,oracle.nlsgdk,12.1.2.0.0
Component,oracle.nlspdk,12.1.2.0.0
Component,oracle.webcenter.pageeditor,12.1.2.0.0
Component,oracle.webcenter.portlet.consumer,12.1.2.0.0
Component,oracle.webcenter.portlet.server,12.1.2.0.0
Component,oracle.webcenter.rest,12.1.2.0.0
Component,oracle.webcenter.skin,12.1.2.0.0
Component,oracle.webcenter.wccore,12.1.2.0.0
Component,oracle.javavm.jrf,11.2.0.3.0
Component,oracle.nlsrtl.jrf,11.2.0.3.0
Component,oracle.rdbms.jrf,11.2.0.3.0
Component,oracle.jrf.adfvt,12.1.2.0.0
Component,oracle.bali.cabo,12.1.2.0.0
Component,oracle.rcu.mds,12.1.2.0.0
Component,oracle.xdk.jrf.xmlparserv2,12.1.2.0.0
Component,oracle.xdk.jrf.fmw,12.1.2.0.0
```

Component,oracle.xdk.jrf,12.1.2.0.0
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0
Component,oracle.bali.ewt,12.1.2.0.0
FeatureSet,wls_devServer,12.1.2.0.0
Component,oracle.wls.core.app.server.mod,12.1.2.0.0
Component,oracle.wls.core.app.server.tier1nativelib,12.1.2.0.0
Component,oracle.wls.workshop.code.completion.support,12.1.2.0.0
Component,oracle.css.wls,12.1.2.0.0
Component,oracle.mysqlconn,12.1.2.0.0
Component,oracle.javavm.jrf,11.2.0.3.0
Component,oracle.nlsrtl.jrf,11.2.0.3.0
Component,oracle.ons,12.1.2.0.0
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0
Component,oracle.wls.server.shared.with.core.engine,12.1.2.0.0
FeatureSet,wls_adminConsoleEnglish,12.1.2.0.0
Component,oracle.wls.admin.console.en,12.1.2.0.0
FeatureSet,wls_server,12.1.2.0.0
FeatureSet,JavaDb,12.1.2.0.0
Component,oracle.wls.evaluation.database,12.1.2.0.0
FeatureSet,wls_adminConsoleMultiLang,12.1.2.0.0
Component,oracle.wls.admin.console.nonen,12.1.2.0.0
FeatureSet,wls_sca,12.1.2.0.0
Component,oracle.wls.weblogic.sca,12.1.2.0.0
FeatureSet,wls_thirdPartyJdbc,12.1.2.0.0
Component,oracle.datadirect,12.1.2.0.0
FeatureSet,jrf_wlsFmw,12.1.2.0.0
Component,oracle.jrf.infra.fmw.wls,12.1.2.0.0
Component,oracle.wsm.agent.wls,12.1.2.0.0
FeatureSet,wls_pubsubSharedWithCoreEngine,12.1.2.0.0
Component,oracle.wls.http.pubsub.server.shared.with.core.engine,12.1.2.0.0
FeatureSet,wls_pubsub,12.1.2.0.0
Component,oracle.wls.http.pubsub.server,12.1.2.0.0
FeatureSet,em_fmc,12.1.2.0.0
Component,oracle.sysman.fmw.agent,12.1.2.0.0
Component,oracle.sysman.fmw.as,12.1.2.0.0
Component,oracle.sysman.fmw.core,12.1.2.0.0
Component,oracle.sysman.rcu,12.1.2.0.0
FeatureSet,owlcs,12.1.2.0.0
Component,oracle.ucs.callcontrol,12.1.2.0.0
Component,oracle.rcu.ucs.callcontrol,12.1.2.0.0
Component,oracle.thirdparty.jtapi,12.1.2.0.0
FeatureSet,wls4fmw,12.1.2.0.0
FeatureSet,adr_platforms,12.1.2.0.0
Component,oracle.adr,12.1.2.0.0
FeatureSet,emll_ccr,10.3.7.0.0
Component,oracle.sysman.ccr,10.3.8.1.0
FeatureSet,properties_loader,12.1.2.0.0
Component,oracle.as.customqna.jdkqna,12.1.2.0.0
FeatureSet,rda_core,12.1.2.0.0
Component,oracle.rda,4.30.0.0.0
FeatureSet,t2p,12.1.2.0.0
Component,oracle.as.common.clone,12.1.2.0.0
FeatureSet,thirdParty_apacheMaven,3.0.4.0.0
Component,oracle.thirdparty.maven,3.0.4.0.0
Component,oracle.jrf.maven.plugins.sync,12.1.2.0.0
Component,oracle.jrf.maven.plugins.gar,12.1.2.0.0
Component,oracle.jrf.maven.archetypes.gar,12.1.2.0.0
FeatureSet,wls_client,12.1.2.0.0
Component,oracle.wls.clients,12.1.2.0.0

D.1.3 Sample viewInventory Output to XML File

Below is the output from the viewInventory script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to an XML file.

The command used to generate this output was:

```
./viewInventory -output_file /home/userhome/inventory.xml
```

Below is the sample output:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<oracle-home dir="/home/Oracle/products/Oracle_Home"
xmlns="http://xmlns.oracle.com/cie/gdr/inv">
  <distributions>
    <distribution name="WebLogic Server for FMW" version="12.1.2.0.0">
      <feature-sets>
        <feature-set name="jrf_dmsJse" version="12.1.2.0.0">
          <components>
            <component name="oracle.jse.dms" version="12.1.2.0.0"/>
          </components>
        </feature-set>
        <feature-set name="jrf_dmsCommon" version="12.1.2.0.0">
          <components>
            <component name="oracle.jrf.dms.common" version="12.1.2.0.0"/>
          </components>
        </feature-set>
        <feature-set name="jrf_presoTools" version="12.1.2.0.0">
          <components>
            <component name="oracle.help.ohj" version="12.1.2.0.0"/>
            <component name="oracle.help.share" version="12.1.2.0.0"/>
            <component name="oracle.bali.ice" version="6.1.3.2.0"/>
            <component name="oracle.bali.jewt" version="12.1.2.0.0"/>
            <component name="oracle.bali.share" version="12.1.2.0.0"/>
            <component name="oracle.fmw.common.wizard.resources"
version="12.1.2.0.0"/>
          </components>
        </feature-set>
        <feature-set name="oam_core" version="12.1.2.0.0">
          <components>
            <component name="oracle.oamclient.core" version="12.1.2.0.0"/>
          </components>
        </feature-set>
        <feature-set name="oam_wlsCore" version="12.1.2.0.0">
          <components>
            <component name="oracle.oamclient.wls" version="12.1.2.0.0"/>
          </components>
        </feature-set>
        <feature-set name="nginst_core" version="13.1.0.0.0">
          <components>
            <component name="oracle.nginst.core" version="13.1.0.0.0"/>
          </components>
        </feature-set>
        <feature-set name="opatch" version="13.1.0.0.0">
          <components>
            <component name="oracle.swd.opatch" version="13.1.0.0.0"/>
          </components>
        </feature-set>
        <feature-set name="toplink" version="12.1.2.0.0">
          <components>
            <component name="oracle.jrf.toplink" version="12.1.2.0.0"/>
          </components>
        </feature-set>
      </feature-sets>
    </distribution>
  </distributions>
</oracle-home>
```

```
</feature-set>
<feature-set name="toplink_coherence" version="12.1.2.0.0">
  <components>
    <component name="oracle.toplink.coherence" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="toplink_developer" version="12.1.2.0.0">
  <components>
    <component name="oracle.toplink.developer" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="thirdParty_apacheAnt" version="1.7.1.0.0">
  <components>
    <component name="oracle.apache.ant.mod" version="1.7.1.0.0"/>
  </components>
</feature-set>
<feature-set name="wls_commonServices" version="12.1.2.0.0">
  <components>
    <component name="oracle.wls.common.cam" version="12.1.2.0.0"/>
    <component name="oracle.wls.common.nodemanager" version="12.1.2.0.0"/>
    <component name="oracle.wls.common.cam.wlst" version="12.1.2.0.0"/>
    <component name="oracle.wls.shared.with.cam" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="coherence" version="12.1.2.0.0">
  <components>
    <component name="oracle.coherence" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="jrf_dmsFull" version="12.1.2.0.0">
  <components>
    <component name="oracle.jrf.dms" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="oam_wlsFmw" version="12.1.2.0.0"/>
<feature-set name="orapki" version="12.1.2.0.0">
  <components>
    <component name="oracle.osdt.core" version="12.1.2.0.0"/>
    <component name="oracle.pki" version="12.1.2.0.0"/>
    <component name="oracle.rsa.crypto" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="cieCfg_common" version="12.1.2.0.0">
  <components>
    <component name="oracle.fmwconfig.common.shared"
version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="fmw_install_framework" version="12.1.2.0.0">
  <components>
    <component name="oracle.as.install.ui.framework"
version="12.1.2.0.0"/>
    <component name="oracle.as.install.common.help" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="thirdParty_oracleJaxbRITools" version="2.2.7.0.0"/>
<feature-set name="thirdParty_oracleJaxbRIRuntime" version="2.2.7.0.0"/>
<feature-set name="thirdParty_oracleJaxbRIBCore" version="2.2.7.0.0"/>
<feature-set name="thirdParty_oracleJaxbRI" version="2.2.7.0.0"/>
<feature-set name="fmw_install_wls" version="12.1.2.0.0">
```

```

        <components>
            <component name="oracle.as.install.wls" version="12.1.2.0.0"/>
            <component name="oracle.as.install.wls.prerequisite"
version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="cieCfg_wls_shared" version="12.1.2.0.0">
        <components>
            <component name="oracle.fmwconfig.common.wls.shared"
version="12.1.2.0.0"/>
            <component name="oracle.fmwconfig.wls.shared" version="12.1.2.0.0"/>
            <component name="oracle.fmwconfig.common.wls.help"
version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="cieCfg_wls" version="12.1.2.0.0">
        <components>
            <component name="oracle.fmwconfig.wls" version="12.1.2.0.0"/>
            <component name="oracle.fmwconfig.common.wls" version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="thirdParty_orgCodehausWoodstox" version="4.1.2.0.0">
        <components>
            <component name="org.codehaus.woodstox" version="4.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="orawsdl" version="12.1.2.0.0">
        <components>
            <component name="oracle.webservices.orawsdl" version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="ws_base" version="12.1.2.0.0">
        <components>
            <component name="oracle.webservices.base" version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="oracledb_xdk" version="12.1.2.0.0">
        <components>
            <component name="oracle.xdk.jrf" version="12.1.2.0.0"/>
            <component name="oracle.xdk.jrf.jaxp" version="12.1.2.0.0"/>
            <component name="oracle.xdk.jrf.fmw" version="12.1.2.0.0"/>
            <component name="oracle.xdk.jrf.xmlparserv2" version="12.1.2.0.0"/>
        </components>
    </feature-set>
    <feature-set name="thirdParty_apacheCommonsLang" version="2.6.0.0.0">
        <components>
            <component name="oracle.apache.commons.lang.mod" version="2.6.0.0.0"/>
        </components>
    </feature-set>
    <feature-set name="thirdParty_apacheCommonsCollections"
version="3.2.0.0.0">
        <components>
            <component name="oracle.apache.commons.collections.mod"
version="3.2.0.0.0"/>
        </components>
    </feature-set>
    <feature-set name="wls_portableSharedWithCoreEngine" version="12.1.2.0.0">
        <components>
            <component
name="oracle.wls.wlsportable.server.shared.with.core.engine.mod"

```

```
version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="wls_portable" version="12.1.2.0.0">
  <components>
    <component name="oracle.wls.wlsportable.mod" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="thirdParty_oracleJersey" version="1.17.0.0.0">
  <components>
    <component name="oracle.jersey" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="thirdParty_fasterxmlJackson" version="1.9.2.0.0">
  <components>
    <component name="oracle.jackson" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="jrf_core" version="12.1.2.0.0">
  <components>
    <component name="oracle.jrf.j2ee" version="12.1.2.0.0"/>
    <component name="oracle.jrf.infra.common" version="12.1.2.0.0"/>
    <component name="oracle.jrf.thirdparty.jee" version="12.1.2.0.0"/>
    <component name="oracle.jrf.iau" version="12.1.2.0.0"/>
    <component name="oracle.opss.core" version="12.1.2.0.0"/>
    <component name="oracle.jrf.thirdparty.toplink" version="12.1.2.0.0"/>
    <component name="oracle.jrf.toplink" version="12.1.2.0.0"/>
    <component name="oracle.javavm.jrf" version="11.2.0.3.0"/>
    <component name="oracle.nlsrtl.jrf" version="11.2.0.3.0"/>
    <component name="oracle.rdbms.jrf" version="11.2.0.3.0"/>
    <component name="oracle.nlsjdk" version="12.1.2.0.0"/>
    <component name="oracle.nlsjdk" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="jrf_wlsCore" version="12.1.2.0.0">
  <components>
    <component name="oracle.opss.wls" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="httpClient" version="12.1.2.0.0">
  <components>
    <component name="oracle.http_client" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="owsm_fmcPlugin" version="12.1.2.0.0">
  <components>
    <component name="oracle.wsm.console.core" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="wls_core_app_server_css_mod" version="12.1.2.0.0">
  <components>
    <component name="oracle.wls.core.app.server" version="12.1.2.0.0"/>
    <component name="oracle.css.mod" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="jrf_commonFmw" version="12.1.2.0.0">
  <components>
    <component name="oracle.jrf.infra.fmw.common" version="12.1.2.0.0"/>
    <component name="oracle.jrf.applcore" version="12.1.2.0.0"/>
    <component name="oracle.jrf.datadirect" version="12.1.2.0.0"/>
  </components>
</feature-set>
```

```

<component name="oracle.webservices.jrf" version="12.1.2.0.0"/>
<component name="oracle.rcu.iau" version="12.1.2.0.0"/>
<component name="oracle.rcu.opss" version="12.1.2.0.0"/>
<component name="oracle.wsm.agent.fmw" version="12.1.2.0.0"/>
<component name="oracle.wsm.common" version="12.1.2.0.0"/>
<component name="oracle.wsm.pmlib" version="12.1.2.0.0"/>
<component name="oracle.wsm.jrf" version="12.1.2.0.0"/>
<component name="oracle.opss.jrf" version="12.1.2.0.0"/>
<component name="oracle.osdt.jrf" version="12.1.2.0.0"/>
<component name="oracle.sslconfig.jrf" version="12.1.2.0.0"/>
<component name="oracle.owasp.jrf" version="12.1.2.0.0"/>
<component name="oracle.pwdgen.jrf" version="12.1.2.0.0"/>
<component name="oracle.ldap.jrf" version="12.1.2.0.0"/>
<component name="oracle.jakarta" version="12.1.2.0.0"/>
<component name="oracle.jgroups" version="12.1.2.0.0"/>
<component name="oracle.jsch" version="12.1.2.0.0"/>
<component name="oracle.jython" version="12.1.2.0.0"/>
<component name="oracle.as.common.clone" version="12.1.2.0.0"/>
<component name="oracle.common.rcu.config" version="12.1.2.0.0"/>
<component name="oracle.rcu.ucs.messaging" version="12.1.2.0.0"/>
<component name="oracle.sdp.messaging" version="12.1.2.0.0"/>
<component name="oracle.rcu.doc" version="12.1.2.0.0"/>
<component name="oracle.help.ohw.rcf" version="12.1.2.0.0"/>
<component name="oracle.help.ohw.share" version="12.1.2.0.0"/>
<component name="oracle.help.ohw.uix" version="12.1.2.0.0"/>
<component name="oracle.fmw.upgrade" version="12.1.2.0.0"/>
<component name="oracle.nlsjdk" version="12.1.2.0.0"/>
<component name="oracle.nlsjdk" version="12.1.2.0.0"/>
<component name="oracle.webcenter.pageeditor" version="12.1.2.0.0"/>
<component name="oracle.webcenter.portlet.consumer"
version="12.1.2.0.0"/>
<component name="oracle.webcenter.portlet.server"
version="12.1.2.0.0"/>
<component name="oracle.webcenter.rest" version="12.1.2.0.0"/>
<component name="oracle.webcenter.skin" version="12.1.2.0.0"/>
<component name="oracle.webcenter.wccore" version="12.1.2.0.0"/>
<component name="oracle.javavm.jrf" version="11.2.0.3.0"/>
<component name="oracle.nlsrtl.jrf" version="11.2.0.3.0"/>
<component name="oracle.rdbms.jrf" version="11.2.0.3.0"/>
<component name="oracle.jrf.adfvt" version="12.1.2.0.0"/>
<component name="oracle.bali.cabo" version="12.1.2.0.0"/>
<component name="oracle.rcu.mds" version="12.1.2.0.0"/>
<component name="oracle.xdk.jrf.xmlparserv2" version="12.1.2.0.0"/>
<component name="oracle.xdk.jrf.fmw" version="12.1.2.0.0"/>
<component name="oracle.xdk.jrf" version="12.1.2.0.0"/>
<component name="oracle.xdk.jrf.jaxp" version="12.1.2.0.0"/>
<component name="oracle.bali.ewt" version="12.1.2.0.0"/>
</components>
</feature-set>
<feature-set name="wls_devServer" version="12.1.2.0.0">
<components>
<component name="oracle.wls.core.app.server.mod"
version="12.1.2.0.0"/>
<component name="oracle.wls.core.app.server.tier1nativelib"
version="12.1.2.0.0"/>
<component name="oracle.wls.workshop.code.completion.support"
version="12.1.2.0.0"/>
<component name="oracle.css.wls" version="12.1.2.0.0"/>
<component name="oracle.mysqlconn" version="12.1.2.0.0"/>
<component name="oracle.javavm.jrf" version="11.2.0.3.0"/>

```

```
        <component name="oracle.nlsrtl.jrf" version="11.2.0.3.0"/>
        <component name="oracle.ons" version="12.1.2.0.0"/>
        <component name="oracle.xdk.jrf.jaxp" version="12.1.2.0.0"/>
        <component name="oracle.wls.server.shared.with.core.engine"
version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_adminConsoleEnglish" version="12.1.2.0.0">
    <components>
        <component name="oracle.wls.admin.console.en" version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_server" version="12.1.2.0.0"/>
<feature-set name="JavaDb" version="12.1.2.0.0">
    <components>
        <component name="oracle.wls.evaluation.database"
version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_adminConsoleMultiLang" version="12.1.2.0.0">
    <components>
        <component name="oracle.wls.admin.console.nonen"
version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_sca" version="12.1.2.0.0">
    <components>
        <component name="oracle.wls.weblogic.sca" version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_thirdPartyJdbc" version="12.1.2.0.0">
    <components>
        <component name="oracle.datadirect" version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="jrf_wlsFmw" version="12.1.2.0.0">
    <components>
        <component name="oracle.jrf.infra.fmw.wls" version="12.1.2.0.0"/>
        <component name="oracle.wsm.agent.wls" version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_pubsubSharedWithCoreEngine" version="12.1.2.0.0">
    <components>
        <component
name="oracle.wls.http.pubsub.server.shared.with.core.engine"
version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="wls_pubsub" version="12.1.2.0.0">
    <components>
        <component name="oracle.wls.http.pubsub.server" version="12.1.2.0.0"/>
    </components>
</feature-set>
<feature-set name="em_fmc" version="12.1.2.0.0">
    <components>
        <component name="oracle.sysman.fmw.agent" version="12.1.2.0.0"/>
        <component name="oracle.sysman.fmw.as" version="12.1.2.0.0"/>
        <component name="oracle.sysman.fmw.core" version="12.1.2.0.0"/>
        <component name="oracle.sysman.rcu" version="12.1.2.0.0"/>
    </components>
</feature-set>
```



```

</feature-set>
<feature-set name="owlcs" version="12.1.2.0.0">
  <components>
    <component name="oracle.ucs.callcontrol" version="12.1.2.0.0"/>
    <component name="oracle.rcu.ucs.callcontrol" version="12.1.2.0.0"/>
    <component name="oracle.thirdparty.jtapi" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="wls4fmw" version="12.1.2.0.0"/>
<feature-set name="adr_platforms" version="12.1.2.0.0">
  <components>
    <component name="oracle.adr" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="emll_ccr" version="10.3.7.0.0">
  <components>
    <component name="oracle.sysman.ccr" version="10.3.8.1.0"/>
  </components>
</feature-set>
<feature-set name="properties_loader" version="12.1.2.0.0">
  <components>
    <component name="oracle.as.customqna.jdkqna" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="rda_core" version="12.1.2.0.0">
  <components>
    <component name="oracle.rda" version="4.30.0.0.0"/>
  </components>
</feature-set>
<feature-set name="t2p" version="12.1.2.0.0">
  <components>
    <component name="oracle.as.common.clone" version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="thirdParty_apacheMaven" version="3.0.4.0.0">
  <components>
    <component name="oracle.thirdparty.maven" version="3.0.4.0.0"/>
    <component name="oracle.jrf.maven.plugins.sync" version="12.1.2.0.0"/>
    <component name="oracle.jrf.maven.plugins.gar" version="12.1.2.0.0"/>
    <component name="oracle.jrf.maven.archetypes.gar"
version="12.1.2.0.0"/>
  </components>
</feature-set>
<feature-set name="wls_client" version="12.1.2.0.0">
  <components>
    <component name="oracle.wls.clients" version="12.1.2.0.0"/>
  </components>
</feature-set>
</feature-sets>
</distribution>
</distributions>
</oracle-home>

```

D.2 compareInventory Sample Output

This section contains sample output for the compareInventory script:

- [Section D.2.1, "Sample compareInventory Output to Terminal Window"](#)
- [Section D.2.2, "Sample compareInventory Output to CSV File"](#)

- [Section D.2.3, "Sample compareInventory Output to XML File"](#)

D.2.1 Sample compareInventory Output to Terminal Window

This section contains output from the `compareInventory` script comparing a Fusion Middleware Infrastructure Oracle home and a WebLogic and Coherence Oracle home on a UNIX operating system, output to the terminal window.

- If the last item on the line is `oh1`, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the `-oracle_home1` parameter.
- If the last item on the line is `oh2`, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the `-oracle_home2` parameter.

The command used to generate the output is shown on the first line below:

```
./compareInventory.sh -oracle_home1 /home/Oracle/products/WLS_Or
acle_Home -oracle_home2 /home/Oracle/products/Oracle_Home
Oracle Home1: /home/Oracle/products/WLS_Oracle_Home
Oracle Home2: /home/Oracle/products/Oracle_Home
Distribution: WebLogic Server 12.1.2.0.0,oh1
  FeatureSet: jrf_dmsJse 12.1.2.0.0,oh1
    Component: oracle.jse.dms 12.1.2.0.0,oh1
  FeatureSet: jrf_presoTools 12.1.2.0.0,oh1
    Component: oracle.help.ohj 12.1.2.0.0,oh1
    Component: oracle.help.share 12.1.2.0.0,oh1
    Component: oracle.bali.ice 6.1.3.2.0,oh1
    Component: oracle.bali.jewt 12.1.2.0.0,oh1
    Component: oracle.bali.share 12.1.2.0.0,oh1
    Component: oracle.fmw.common.wizard.resources 12.1.2.0.0,oh1
  FeatureSet: nginst_core 13.1.0.0.0,oh1
    Component: oracle.nginst.core 13.1.0.0.0,oh1
  FeatureSet: opatch 13.1.0.0.0,oh1
    Component: oracle.swd.opatch 13.1.0.0.0,oh1
  FeatureSet: toplink 12.1.2.0.0,oh1
    Component: oracle.jrf.toplink 12.1.2.0.0,oh1
  FeatureSet: toplink_coherence 12.1.2.0.0,oh1
    Component: oracle.toplink.coherence 12.1.2.0.0,oh1
  FeatureSet: thirdParty_apacheAnt 1.7.1.0.0,oh1
    Component: oracle.apache.ant.mod 1.7.1.0.0,oh1
  FeatureSet: wls_commonServices 12.1.2.0.0,oh1
    Component: oracle.wls.common.cam 12.1.2.0.0,oh1
    Component: oracle.wls.common.nodemanager 12.1.2.0.0,oh1
    Component: oracle.wls.common.cam.wlst 12.1.2.0.0,oh1
    Component: oracle.wls.shared.with.cam 12.1.2.0.0,oh1
  FeatureSet: coherence 12.1.2.0.0,oh1
    Component: oracle.coherence 12.1.2.0.0,oh1
  FeatureSet: orapki 12.1.2.0.0,oh1
    Component: oracle.osdt.core 12.1.2.0.0,oh1
    Component: oracle.pki 12.1.2.0.0,oh1
    Component: oracle.rsa.crypto 12.1.2.0.0,oh1
  FeatureSet: cieCfg_common 12.1.2.0.0,oh1
    Component: oracle.fmwconfig.common.shared 12.1.2.0.0,oh1
  FeatureSet: fmw_install_framework 12.1.2.0.0,oh1
    Component: oracle.as.install.ui.framework 12.1.2.0.0,oh1
    Component: oracle.as.install.common.help 12.1.2.0.0,oh1
  FeatureSet: thirdParty_oracleJaxbRITools 2.2.7.0.0,oh1
  FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.7.0.0,oh1
  FeatureSet: thirdParty_oracleJaxbRICore 2.2.7.0.0,oh1
```

```

FeatureSet: thirdParty_oracleJaxbRI 2.2.7.0.0,oh1
FeatureSet: fmw_install_wls 12.1.2.0.0,oh1
  Component: oracle.as.install.wls 12.1.2.0.0,oh1
  Component: oracle.as.install.wls.prerequisite 12.1.2.0.0,oh1
FeatureSet: cieCfg_wls_shared 12.1.2.0.0,oh1
  Component: oracle.fmwconfig.common.wls.shared 12.1.2.0.0,oh1
  Component: oracle.fmwconfig.wls.shared 12.1.2.0.0,oh1
  Component: oracle.fmwconfig.common.wls.help 12.1.2.0.0,oh1
FeatureSet: cieCfg_wls 12.1.2.0.0,oh1
  Component: oracle.fmwconfig.wls 12.1.2.0.0,oh1
  Component: oracle.fmwconfig.common.wls 12.1.2.0.0,oh1
FeatureSet: thirdParty_orgCodehausWoodstox 4.1.2.0.0,oh1
  Component: org.codehaus.woodstox 4.1.2.0.0,oh1
FeatureSet: orawsdl 12.1.2.0.0,oh1
  Component: oracle.webservices.orawsdl 12.1.2.0.0,oh1
FeatureSet: ws_base 12.1.2.0.0,oh1
  Component: oracle.webservices.base 12.1.2.0.0,oh1
FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.0,oh1
  Component: oracle.apache.commons.lang.mod 2.6.0.0.0,oh1
FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.0,oh1
  Component: oracle.apache.commons.collections.mod 3.2.0.0.0,oh1
FeatureSet: wls_portableSharedWithCoreEngine 12.1.2.0.0,oh1
  Component: oracle.wls.wlsportable.server.shared.with.core.engine.mod
12.1.2.0.0,oh1
  FeatureSet: wls_portable 12.1.2.0.0,oh1
    Component: oracle.wls.wlsportable.mod 12.1.2.0.0,oh1
  FeatureSet: httpclient 12.1.2.0.0,oh1
    Component: oracle.http_client 12.1.2.0.0,oh1
  FeatureSet: thirdParty_oracleJersey 1.17.0.0.0,oh1
    Component: oracle.jersey 12.1.2.0.0,oh1
  FeatureSet: thirdParty_fasterxmlJackson 1.9.2.0.0,oh1
    Component: oracle.jackson 12.1.2.0.0,oh1
  FeatureSet: wls_core_app_server_css_mod 12.1.2.0.0,oh1
    Component: oracle.wls.core.app.server 12.1.2.0.0,oh1
    Component: oracle.css.mod 12.1.2.0.0,oh1
  FeatureSet: wls_devServer 12.1.2.0.0,oh1
    Component: oracle.wls.core.app.server.mod 12.1.2.0.0,oh1
    Component: oracle.wls.core.app.server.tier1nativelib 12.1.2.0.0,oh1
    Component: oracle.wls.workshop.code.completion.support 12.1.2.0.0,oh1
    Component: oracle.css.wls 12.1.2.0.0,oh1
    Component: oracle.mysqlconn 12.1.2.0.0,oh1
    Component: oracle.javavm.jrf 11.2.0.3.0,oh1
    Component: oracle.nlsrtl.jrf 11.2.0.3.0,oh1
    Component: oracle.ons 12.1.2.0.0,oh1
    Component: oracle.xdk.jrf.jaxp 12.1.2.0.0,oh1
    Component: oracle.wls.server.shared.with.core.engine 12.1.2.0.0,oh1
  FeatureSet: wls_adminConsoleEnglish 12.1.2.0.0,oh1
    Component: oracle.wls.admin.console.en 12.1.2.0.0,oh1
  FeatureSet: wls_server 12.1.2.0.0,oh1
  FeatureSet: JavaDb 12.1.2.0.0,oh1
    Component: oracle.wls.evaluation.database 12.1.2.0.0,oh1
  FeatureSet: wls_adminConsoleMultiLang 12.1.2.0.0,oh1
    Component: oracle.wls.admin.console.nonen 12.1.2.0.0,oh1
  FeatureSet: wls_sca 12.1.2.0.0,oh1
    Component: oracle.wls.weblogic.sca 12.1.2.0.0,oh1
  FeatureSet: wls_thirdPartyJdbc 12.1.2.0.0,oh1
    Component: oracle.datadirect 12.1.2.0.0,oh1
  FeatureSet: wls_pubsubSharedWithCoreEngine 12.1.2.0.0,oh1
    Component: oracle.wls.http.pubsub.server.shared.with.core.engine
12.1.2.0.0,oh1

```

```
FeatureSet: wls_pubsub 12.1.2.0.0,oh1
  Component: oracle.wls.http.pubsub.server 12.1.2.0.0,oh1
FeatureSet: adr_platforms 12.1.2.0.0,oh1
  Component: oracle.adr 12.1.2.0.0,oh1
FeatureSet: eml1_ccr 10.3.7.0.0,oh1
  Component: oracle.sysman.ccr 10.3.8.1.0,oh1
FeatureSet: properties_loader 12.1.2.0.0,oh1
  Component: oracle.as.customqna.jdkqna 12.1.2.0.0,oh1
FeatureSet: rda_core 12.1.2.0.0,oh1
  Component: oracle.rda 4.30.0.0.0,oh1
FeatureSet: t2p 12.1.2.0.0,oh1
  Component: oracle.as.common.clone 12.1.2.0.0,oh1
FeatureSet: thirdParty_apacheMaven 3.0.4.0.0,oh1
  Component: oracle.thirdparty.maven 3.0.4.0.0,oh1
  Component: oracle.jrf.maven.plugins.sync 12.1.2.0.0,oh1
  Component: oracle.jrf.maven.plugins.gar 12.1.2.0.0,oh1
  Component: oracle.jrf.maven.archetypes.gar 12.1.2.0.0,oh1
FeatureSet: wls_client 12.1.2.0.0,oh1
  Component: oracle.wls.clients 12.1.2.0.0,oh1
Distribution: WebLogic Server for FMW 12.1.2.0.0,oh2
FeatureSet: jrf_dmsJse 12.1.2.0.0,oh2
  Component: oracle.jse.dms 12.1.2.0.0,oh2
FeatureSet: jrf_dmsCommon 12.1.2.0.0,oh2
  Component: oracle.jrf.dms.common 12.1.2.0.0,oh2
FeatureSet: jrf_presoTools 12.1.2.0.0,oh2
  Component: oracle.help.ohj 12.1.2.0.0,oh2
  Component: oracle.help.share 12.1.2.0.0,oh2
  Component: oracle.bali.ice 6.1.3.2.0,oh2
  Component: oracle.bali.jwt 12.1.2.0.0,oh2
  Component: oracle.bali.share 12.1.2.0.0,oh2
  Component: oracle.fmw.common.wizard.resources 12.1.2.0.0,oh2
FeatureSet: oam_core 12.1.2.0.0,oh2
  Component: oracle.oamclient.core 12.1.2.0.0,oh2
FeatureSet: oam_wlsCore 12.1.2.0.0,oh2
  Component: oracle.oamclient.wls 12.1.2.0.0,oh2
FeatureSet: nginst_core 13.1.0.0.0,oh2
  Component: oracle.nginst.core 13.1.0.0.0,oh2
FeatureSet: opatch 13.1.0.0.0,oh2
  Component: oracle.swd.opatch 13.1.0.0.0,oh2
FeatureSet: toplink 12.1.2.0.0,oh2
  Component: oracle.jrf.toplink 12.1.2.0.0,oh2
FeatureSet: toplink_coherence 12.1.2.0.0,oh2
  Component: oracle.toplink.coherence 12.1.2.0.0,oh2
FeatureSet: toplink_developer 12.1.2.0.0,oh2
  Component: oracle.toplink.developer 12.1.2.0.0,oh2
FeatureSet: thirdParty_apacheAnt 1.7.1.0.0,oh2
  Component: oracle.apache.ant.mod 1.7.1.0.0,oh2
FeatureSet: wls_commonServices 12.1.2.0.0,oh2
  Component: oracle.wls.common.cam 12.1.2.0.0,oh2
  Component: oracle.wls.common.nodemanager 12.1.2.0.0,oh2
  Component: oracle.wls.common.cam.wlst 12.1.2.0.0,oh2
  Component: oracle.wls.shared.with.cam 12.1.2.0.0,oh2
FeatureSet: coherence 12.1.2.0.0,oh2
  Component: oracle.coherence 12.1.2.0.0,oh2
FeatureSet: jrf_dmsFull 12.1.2.0.0,oh2
  Component: oracle.jrf.dms 12.1.2.0.0,oh2
FeatureSet: oam_wlsFmw 12.1.2.0.0,oh2
FeatureSet: orapki 12.1.2.0.0,oh2
  Component: oracle.osdt.core 12.1.2.0.0,oh2
  Component: oracle.pki 12.1.2.0.0,oh2
```

```

Component: oracle.rsa.crypto 12.1.2.0.0,oh2
FeatureSet: cieCfg_common 12.1.2.0.0,oh2
Component: oracle.fmwconfig.common.shared 12.1.2.0.0,oh2
FeatureSet: fmw_install_framework 12.1.2.0.0,oh2
Component: oracle.as.install.ui.framework 12.1.2.0.0,oh2
Component: oracle.as.install.common.help 12.1.2.0.0,oh2
FeatureSet: thirdParty_oracleJaxbRITools 2.2.7.0.0,oh2
FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.7.0.0,oh2
FeatureSet: thirdParty_oracleJaxbRIBCore 2.2.7.0.0,oh2
FeatureSet: thirdParty_oracleJaxbRI 2.2.7.0.0,oh2
FeatureSet: fmw_install_wls 12.1.2.0.0,oh2
Component: oracle.as.install.wls 12.1.2.0.0,oh2
Component: oracle.as.install.wls.prerequisite 12.1.2.0.0,oh2
FeatureSet: cieCfg_wls_shared 12.1.2.0.0,oh2
Component: oracle.fmwconfig.common.wls.shared 12.1.2.0.0,oh2
Component: oracle.fmwconfig.wls.shared 12.1.2.0.0,oh2
Component: oracle.fmwconfig.common.wls.help 12.1.2.0.0,oh2
FeatureSet: cieCfg_wls 12.1.2.0.0,oh2
Component: oracle.fmwconfig.wls 12.1.2.0.0,oh2
Component: oracle.fmwconfig.common.wls 12.1.2.0.0,oh2
FeatureSet: thirdParty_orgCodehausWoodstox 4.1.2.0.0,oh2
Component: org.codehaus.woodstox 4.1.2.0.0,oh2
FeatureSet: orawSDL 12.1.2.0.0,oh2
Component: oracle.webservices.orawSDL 12.1.2.0.0,oh2
FeatureSet: ws_base 12.1.2.0.0,oh2
Component: oracle.webservices.base 12.1.2.0.0,oh2
FeatureSet: oracledb_xdk 12.1.2.0.0,oh2
Component: oracle.xdk.jrf 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.jaxp 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.fmw 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.xmlparserv2 12.1.2.0.0,oh2
FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.0,oh2
Component: oracle.apache.commons.lang.mod 2.6.0.0.0,oh2
FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.0,oh2
Component: oracle.apache.commons.collections.mod 3.2.0.0.0,oh2
FeatureSet: wls_portableSharedWithCoreEngine 12.1.2.0.0,oh2
Component: oracle.wls.wlsportable.server.shared.with.core.engine.mod
12.1.2.0.0,oh2
FeatureSet: wls_portable 12.1.2.0.0,oh2
Component: oracle.wls.wlsportable.mod 12.1.2.0.0,oh2
FeatureSet: thirdParty_oracleJersey 1.17.0.0.0,oh2
Component: oracle.jersey 12.1.2.0.0,oh2
FeatureSet: thirdParty_fasterxmlJackson 1.9.2.0.0,oh2
Component: oracle.jackson 12.1.2.0.0,oh2
FeatureSet: jrf_core 12.1.2.0.0,oh2
Component: oracle.jrf.j2ee 12.1.2.0.0,oh2
Component: oracle.jrf.infra.common 12.1.2.0.0,oh2
Component: oracle.jrf.thirdparty.jee 12.1.2.0.0,oh2
Component: oracle.jrf.iau 12.1.2.0.0,oh2
Component: oracle.opss.core 12.1.2.0.0,oh2
Component: oracle.jrf.thirdparty.toplink 12.1.2.0.0,oh2
Component: oracle.jrf.toplink 12.1.2.0.0,oh2
Component: oracle.javavm.jrf 11.2.0.3.0,oh2
Component: oracle.nlsrtl.jrf 11.2.0.3.0,oh2
Component: oracle.rdbms.jrf 11.2.0.3.0,oh2
Component: oracle.nlsjdk 12.1.2.0.0,oh2
Component: oracle.nlsjdk 12.1.2.0.0,oh2
FeatureSet: jrf_wlsCore 12.1.2.0.0,oh2
Component: oracle.opss.wls 12.1.2.0.0,oh2
FeatureSet: httpClient 12.1.2.0.0,oh2

```

```
Component: oracle.http_client 12.1.2.0.0,oh2
FeatureSet: owsm_fmPlugin 12.1.2.0.0,oh2
Component: oracle.wsm.console.core 12.1.2.0.0,oh2
FeatureSet: wls_core_app_server_css_mod 12.1.2.0.0,oh2
Component: oracle.wls.core.app.server 12.1.2.0.0,oh2
Component: oracle.css.mod 12.1.2.0.0,oh2
FeatureSet: jrf_commonFmw 12.1.2.0.0,oh2
Component: oracle.jrf.infra.fmw.common 12.1.2.0.0,oh2
Component: oracle.jrf.applcore 12.1.2.0.0,oh2
Component: oracle.jrf.datadirect 12.1.2.0.0,oh2
Component: oracle.webservices.jrf 12.1.2.0.0,oh2
Component: oracle.rcu.iau 12.1.2.0.0,oh2
Component: oracle.rcu.opss 12.1.2.0.0,oh2
Component: oracle.wsm.agent.fmw 12.1.2.0.0,oh2
Component: oracle.wsm.common 12.1.2.0.0,oh2
Component: oracle.wsm.pmlib 12.1.2.0.0,oh2
Component: oracle.wsm.jrf 12.1.2.0.0,oh2
Component: oracle.opss.jrf 12.1.2.0.0,oh2
Component: oracle.osdt.jrf 12.1.2.0.0,oh2
Component: oracle.sslconfig.jrf 12.1.2.0.0,oh2
Component: oracle.owasp.jrf 12.1.2.0.0,oh2
Component: oracle.pwdgen.jrf 12.1.2.0.0,oh2
Component: oracle.ldap.jrf 12.1.2.0.0,oh2
Component: oracle.jakarta 12.1.2.0.0,oh2
Component: oracle.jgroups 12.1.2.0.0,oh2
Component: oracle.jsch 12.1.2.0.0,oh2
Component: oracle.jython 12.1.2.0.0,oh2
Component: oracle.as.common.clone 12.1.2.0.0,oh2
Component: oracle.common.rcu.config 12.1.2.0.0,oh2
Component: oracle.rcu.ucs.messaging 12.1.2.0.0,oh2
Component: oracle.sdp.messaging 12.1.2.0.0,oh2
Component: oracle.rcu.doc 12.1.2.0.0,oh2
Component: oracle.help.ohw.rcf 12.1.2.0.0,oh2
Component: oracle.help.ohw.share 12.1.2.0.0,oh2
Component: oracle.help.ohw.uix 12.1.2.0.0,oh2
Component: oracle.fmw.upgrade 12.1.2.0.0,oh2
Component: oracle.nlsjdk 12.1.2.0.0,oh2
Component: oracle.nlsjdk 12.1.2.0.0,oh2
Component: oracle.webcenter.pageeditor 12.1.2.0.0,oh2
Component: oracle.webcenter.portlet.consumer 12.1.2.0.0,oh2
Component: oracle.webcenter.portlet.server 12.1.2.0.0,oh2
Component: oracle.webcenter.rest 12.1.2.0.0,oh2
Component: oracle.webcenter.skin 12.1.2.0.0,oh2
Component: oracle.webcenter.wccore 12.1.2.0.0,oh2
Component: oracle.javavm.jrf 11.2.0.3.0,oh2
Component: oracle.nlsrtl.jrf 11.2.0.3.0,oh2
Component: oracle.rdbms.jrf 11.2.0.3.0,oh2
Component: oracle.jrf.adfvt 12.1.2.0.0,oh2
Component: oracle.bali.cabo 12.1.2.0.0,oh2
Component: oracle.rcu.mds 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.xmlparserv2 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.fmw 12.1.2.0.0,oh2
Component: oracle.xdk.jrf 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.jaxp 12.1.2.0.0,oh2
Component: oracle.bali.ewt 12.1.2.0.0,oh2
FeatureSet: wls_devServer 12.1.2.0.0,oh2
Component: oracle.wls.core.app.server.mod 12.1.2.0.0,oh2
Component: oracle.wls.core.app.server.tier1nativelib 12.1.2.0.0,oh2
Component: oracle.wls.workshop.code.completion.support 12.1.2.0.0,oh2
Component: oracle.css.wls 12.1.2.0.0,oh2
```

```

Component: oracle.mysqlconn 12.1.2.0.0,oh2
Component: oracle.javavm.jrf 11.2.0.3.0,oh2
Component: oracle.nlsrtl.jrf 11.2.0.3.0,oh2
Component: oracle.ons 12.1.2.0.0,oh2
Component: oracle.xdk.jrf.jaxp 12.1.2.0.0,oh2
Component: oracle.wls.server.shared.with.core.engine 12.1.2.0.0,oh2
FeatureSet: wls_adminConsoleEnglish 12.1.2.0.0,oh2
Component: oracle.wls.admin.console.en 12.1.2.0.0,oh2
FeatureSet: wls_server 12.1.2.0.0,oh2
FeatureSet: JavaDb 12.1.2.0.0,oh2
Component: oracle.wls.evaluation.database 12.1.2.0.0,oh2
FeatureSet: wls_adminConsoleMultiLang 12.1.2.0.0,oh2
Component: oracle.wls.admin.console.nonen 12.1.2.0.0,oh2
FeatureSet: wls_sca 12.1.2.0.0,oh2
Component: oracle.wls.weblogic.sca 12.1.2.0.0,oh2
FeatureSet: wls_thirdPartyJdbc 12.1.2.0.0,oh2
Component: oracle.datadirect 12.1.2.0.0,oh2
FeatureSet: jrf_wlsFmw 12.1.2.0.0,oh2
Component: oracle.jrf.infra.fmw.wls 12.1.2.0.0,oh2
Component: oracle.wsm.agent.wls 12.1.2.0.0,oh2
FeatureSet: wls_pubsubSharedWithCoreEngine 12.1.2.0.0,oh2
Component: oracle.wls.http.pubsub.server.shared.with.core.engine
12.1.2.0.0,oh2
FeatureSet: wls_pubsub 12.1.2.0.0,oh2
Component: oracle.wls.http.pubsub.server 12.1.2.0.0,oh2
FeatureSet: em_fmc 12.1.2.0.0,oh2
Component: oracle.sysman.fmw.agent 12.1.2.0.0,oh2
Component: oracle.sysman.fmw.as 12.1.2.0.0,oh2
Component: oracle.sysman.fmw.core 12.1.2.0.0,oh2
Component: oracle.sysman.rcu 12.1.2.0.0,oh2
FeatureSet: owlcs 12.1.2.0.0,oh2
Component: oracle.ucs.callcontrol 12.1.2.0.0,oh2
Component: oracle.rcu.ucs.callcontrol 12.1.2.0.0,oh2
Component: oracle.thirdparty.jtapi 12.1.2.0.0,oh2
FeatureSet: wls4fmw 12.1.2.0.0,oh2
FeatureSet: adr_platforms 12.1.2.0.0,oh2
Component: oracle.adr 12.1.2.0.0,oh2
FeatureSet: emll_ccr 10.3.7.0.0,oh2
Component: oracle.sysman.ccr 10.3.8.1.0,oh2
FeatureSet: properties_loader 12.1.2.0.0,oh2
Component: oracle.as.customqna.jdkqna 12.1.2.0.0,oh2
FeatureSet: rda_core 12.1.2.0.0,oh2
Component: oracle.rda 4.30.0.0.0,oh2
FeatureSet: t2p 12.1.2.0.0,oh2
Component: oracle.as.common.clone 12.1.2.0.0,oh2
FeatureSet: thirdParty_apacheMaven 3.0.4.0.0,oh2
Component: oracle.thirdparty.maven 3.0.4.0.0,oh2
Component: oracle.jrf.maven.plugins.sync 12.1.2.0.0,oh2
Component: oracle.jrf.maven.plugins.gar 12.1.2.0.0,oh2
Component: oracle.jrf.maven.archetypes.gar 12.1.2.0.0,oh2
FeatureSet: wls_client 12.1.2.0.0,oh2
Component: oracle.wls.clients 12.1.2.0.0,oh2

```

The inventory compare finished execution succesfully.

D.2.2 Sample compareInventory Output to CSV File

This section contains output from the compareInventory script comparing a Fusion Middleware Infrastructure Oracle home and a WebLogic and Coherence Oracle home on a UNIX operating system, output to a CSV file.

- If the last item on the line is oh1, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the `-oracle_home1` parameter.
- If the last item on the line is oh2, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the `-oracle_home2` parameter.

The command used to generate this output was:

```
./compareInventory -oracle_home1 /home/Oracle/products/WLS_Oracle_Home -oracle_home2 /home/Oracle/products/Oracle_HOME -output_file /home/userhome/compareinventory.csv
```

Below is the sample output:

```
Oracle Home1,/home/Oracle/products/WLS_Oracle_Home
Oracle Home2,/home/Oracle/products/Oracle_Home
Distribution,WebLogic Server,12.1.2.0.0,oh1
FeatureSet,jrf_dmsJse,12.1.2.0.0,oh1
Component,oracle.jse.dms,12.1.2.0.0,oh1
FeatureSet,jrf_presoTools,12.1.2.0.0,oh1
Component,oracle.help.ohj,12.1.2.0.0,oh1
Component,oracle.help.share,12.1.2.0.0,oh1
Component,oracle.bali.ice,6.1.3.2.0,oh1
Component,oracle.bali.jwt,12.1.2.0.0,oh1
Component,oracle.bali.share,12.1.2.0.0,oh1
Component,oracle.fmw.common.wizard.resources,12.1.2.0.0,oh1
FeatureSet,nginst_core,13.1.0.0.0,oh1
Component,oracle.nginst.core,13.1.0.0.0,oh1
FeatureSet,opatch,13.1.0.0.0,oh1
Component,oracle.swd.opatch,13.1.0.0.0,oh1
FeatureSet,toplink,12.1.2.0.0,oh1
Component,oracle.jrf.toplink,12.1.2.0.0,oh1
FeatureSet,toplink_coherence,12.1.2.0.0,oh1
Component,oracle.toplink.coherence,12.1.2.0.0,oh1
FeatureSet,thirdParty_apacheAnt,1.7.1.0.0,oh1
Component,oracle.apache.ant.mod,1.7.1.0.0,oh1
FeatureSet,wls_commonServices,12.1.2.0.0,oh1
Component,oracle.wls.common.cam,12.1.2.0.0,oh1
Component,oracle.wls.common.nodemanager,12.1.2.0.0,oh1
Component,oracle.wls.common.cam.wlst,12.1.2.0.0,oh1
Component,oracle.wls.shared.with.cam,12.1.2.0.0,oh1
FeatureSet,coherence,12.1.2.0.0,oh1
Component,oracle.coherence,12.1.2.0.0,oh1
FeatureSet,orapki,12.1.2.0.0,oh1
Component,oracle.osdt.core,12.1.2.0.0,oh1
Component,oracle.pki,12.1.2.0.0,oh1
Component,oracle.rsa.crypto,12.1.2.0.0,oh1
FeatureSet,cieCfg_common,12.1.2.0.0,oh1
Component,oracle.fmwconfig.common.shared,12.1.2.0.0,oh1
FeatureSet,fmw_install_framework,12.1.2.0.0,oh1
Component,oracle.as.install.ui.framework,12.1.2.0.0,oh1
Component,oracle.as.install.common.help,12.1.2.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRITools,2.2.7.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRIRuntime,2.2.7.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRISCore,2.2.7.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRI,2.2.7.0.0,oh1
FeatureSet,fmw_install_wls,12.1.2.0.0,oh1
Component,oracle.as.install.wls,12.1.2.0.0,oh1
Component,oracle.as.install.wls.prerequisite,12.1.2.0.0,oh1
```



```
FeatureSet,cieCfg_wls_shared,12.1.2.0.0,oh1
Component,oracle.fmwconfig.common.wls.shared,12.1.2.0.0,oh1
Component,oracle.fmwconfig.wls.shared,12.1.2.0.0,oh1
Component,oracle.fmwconfig.common.wls.help,12.1.2.0.0,oh1
FeatureSet,cieCfg_wls,12.1.2.0.0,oh1
Component,oracle.fmwconfig.wls,12.1.2.0.0,oh1
Component,oracle.fmwconfig.common.wls,12.1.2.0.0,oh1
FeatureSet,thirdParty_orgCodehausWoodstox,4.1.2.0.0,oh1
Component,org.codehaus.woodstox,4.1.2.0.0,oh1
FeatureSet,orawsdl,12.1.2.0.0,oh1
Component,oracle.webservices.orawsdl,12.1.2.0.0,oh1
FeatureSet,ws_base,12.1.2.0.0,oh1
Component,oracle.webservices.base,12.1.2.0.0,oh1
FeatureSet,thirdParty_apacheCommonsLang,2.6.0.0.0,oh1
Component,oracle.apache.commons.lang.mod,2.6.0.0.0,oh1
FeatureSet,thirdParty_apacheCommonsCollections,3.2.0.0.0,oh1
Component,oracle.apache.commons.collections.mod,3.2.0.0.0,oh1
FeatureSet,wls_portableSharedWithCoreEngine,12.1.2.0.0,oh1
Component,oracle.wls.wlsportable.server.shared.with.core.engine.mod,12.1.2.0.0,oh1
FeatureSet,wls_portable,12.1.2.0.0,oh1
Component,oracle.wls.wlsportable.mod,12.1.2.0.0,oh1
FeatureSet,httpClient,12.1.2.0.0,oh1
Component,oracle.http_client,12.1.2.0.0,oh1
FeatureSet,thirdParty_oracleJersey,1.17.0.0.0,oh1
Component,oracle.jersey,12.1.2.0.0,oh1
FeatureSet,thirdParty_fasterxmlJackson,1.9.2.0.0,oh1
Component,oracle.jackson,12.1.2.0.0,oh1
FeatureSet,wls_core_app_server_css_mod,12.1.2.0.0,oh1
Component,oracle.wls.core.app.server,12.1.2.0.0,oh1
Component,oracle.css.mod,12.1.2.0.0,oh1
FeatureSet,wls_devServer,12.1.2.0.0,oh1
Component,oracle.wls.core.app.server.mod,12.1.2.0.0,oh1
Component,oracle.wls.core.app.server.tier1nativelib,12.1.2.0.0,oh1
Component,oracle.wls.workshop.code.completion.support,12.1.2.0.0,oh1
Component,oracle.css.wls,12.1.2.0.0,oh1
Component,oracle.mysqlconn,12.1.2.0.0,oh1
Component,oracle.javavm.jrf,11.2.0.3.0,oh1
Component,oracle.nlsrtl.jrf,11.2.0.3.0,oh1
Component,oracle.ons,12.1.2.0.0,oh1
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0,oh1
Component,oracle.wls.server.shared.with.core.engine,12.1.2.0.0,oh1
FeatureSet,wls_adminConsoleEnglish,12.1.2.0.0,oh1
Component,oracle.wls.admin.console.en,12.1.2.0.0,oh1
FeatureSet,wls_server,12.1.2.0.0,oh1
FeatureSet,JavaDb,12.1.2.0.0,oh1
Component,oracle.wls.evaluation.database,12.1.2.0.0,oh1
FeatureSet,wls_adminConsoleMultiLang,12.1.2.0.0,oh1
Component,oracle.wls.admin.console.nonen,12.1.2.0.0,oh1
FeatureSet,wls_sca,12.1.2.0.0,oh1
Component,oracle.wls.weblogic.sca,12.1.2.0.0,oh1
FeatureSet,wls_thirdPartyJdbc,12.1.2.0.0,oh1
Component,oracle.datadirect,12.1.2.0.0,oh1
FeatureSet,wls_pubsubSharedWithCoreEngine,12.1.2.0.0,oh1
Component,oracle.wls.http.pubsub.server.shared.with.core.engine,12.1.2.0.0,oh1
FeatureSet,wls_pubsub,12.1.2.0.0,oh1
Component,oracle.wls.http.pubsub.server,12.1.2.0.0,oh1
FeatureSet,adr_platforms,12.1.2.0.0,oh1
Component,oracle.adr,12.1.2.0.0,oh1
FeatureSet,emll_ccr,10.3.7.0.0,oh1
Component,oracle.sysman.ccr,10.3.8.1.0,oh1
```

FeatureSet,properties_loader,12.1.2.0.0,oh1
Component,oracle.as.customqna.jdkqna,12.1.2.0.0,oh1
FeatureSet,rda_core,12.1.2.0.0,oh1
Component,oracle.rda,4.30.0.0.0,oh1
FeatureSet,t2p,12.1.2.0.0,oh1
Component,oracle.as.common.clone,12.1.2.0.0,oh1
FeatureSet,thirdParty_apacheMaven,3.0.4.0.0,oh1
Component,oracle.thirdparty.maven,3.0.4.0.0,oh1
Component,oracle.jrf.maven.plugins.sync,12.1.2.0.0,oh1
Component,oracle.jrf.maven.plugins.gar,12.1.2.0.0,oh1
Component,oracle.jrf.maven.archetypes.gar,12.1.2.0.0,oh1
FeatureSet,wls_client,12.1.2.0.0,oh1
Component,oracle.wls.clients,12.1.2.0.0,oh1
Distribution,WebLogic Server for FMW,12.1.2.0.0,oh2
FeatureSet,jrf_dmsJse,12.1.2.0.0,oh2
Component,oracle.jse.dms,12.1.2.0.0,oh2
FeatureSet,jrf_dmsCommon,12.1.2.0.0,oh2
Component,oracle.jrf.dms.common,12.1.2.0.0,oh2
FeatureSet,jrf_presoTools,12.1.2.0.0,oh2
Component,oracle.help.ohj,12.1.2.0.0,oh2
Component,oracle.help.share,12.1.2.0.0,oh2
Component,oracle.bali.ice,6.1.3.2.0,oh2
Component,oracle.bali.jwt,12.1.2.0.0,oh2
Component,oracle.bali.share,12.1.2.0.0,oh2
Component,oracle.fmw.common.wizard.resources,12.1.2.0.0,oh2
FeatureSet,oam_core,12.1.2.0.0,oh2
Component,oracle.oamclient.core,12.1.2.0.0,oh2
FeatureSet,oam_wlsCore,12.1.2.0.0,oh2
Component,oracle.oamclient.wls,12.1.2.0.0,oh2
FeatureSet,nginst_core,13.1.0.0.0,oh2
Component,oracle.nginst.core,13.1.0.0.0,oh2
FeatureSet,opatch,13.1.0.0.0,oh2
Component,oracle.swd.opatch,13.1.0.0.0,oh2
FeatureSet,toplink,12.1.2.0.0,oh2
Component,oracle.jrf.toplink,12.1.2.0.0,oh2
FeatureSet,toplink_coherence,12.1.2.0.0,oh2
Component,oracle.toplink.coherence,12.1.2.0.0,oh2
FeatureSet,toplink_developer,12.1.2.0.0,oh2
Component,oracle.toplink.developer,12.1.2.0.0,oh2
FeatureSet,thirdParty_apacheAnt,1.7.1.0.0,oh2
Component,oracle.apache.ant.mod,1.7.1.0.0,oh2
FeatureSet,wls_commonServices,12.1.2.0.0,oh2
Component,oracle.wls.common.cam,12.1.2.0.0,oh2
Component,oracle.wls.common.nodemanager,12.1.2.0.0,oh2
Component,oracle.wls.common.cam.wlst,12.1.2.0.0,oh2
Component,oracle.wls.shared.with.cam,12.1.2.0.0,oh2
FeatureSet,coherence,12.1.2.0.0,oh2
Component,oracle.coherence,12.1.2.0.0,oh2
FeatureSet,jrf_dmsFull,12.1.2.0.0,oh2
Component,oracle.jrf.dms,12.1.2.0.0,oh2
FeatureSet,oam_wlsFmw,12.1.2.0.0,oh2
FeatureSet,orapki,12.1.2.0.0,oh2
Component,oracle.osdt.core,12.1.2.0.0,oh2
Component,oracle.pki,12.1.2.0.0,oh2
Component,oracle.rsa.crypto,12.1.2.0.0,oh2
FeatureSet,cieCfg_common,12.1.2.0.0,oh2
Component,oracle.fmwconfig.common.shared,12.1.2.0.0,oh2
FeatureSet,fmw_install_framework,12.1.2.0.0,oh2
Component,oracle.as.install.ui.framework,12.1.2.0.0,oh2
Component,oracle.as.install.common.help,12.1.2.0.0,oh2

```
FeatureSet,thirdParty_oracleJaxbRITools,2.2.7.0.0,oh2
FeatureSet,thirdParty_oracleJaxbRIRuntime,2.2.7.0.0,oh2
FeatureSet,thirdParty_oracleJaxbRIBCore,2.2.7.0.0,oh2
FeatureSet,thirdParty_oracleJaxbRI,2.2.7.0.0,oh2
FeatureSet,fmw_install_wls,12.1.2.0.0,oh2
Component,oracle.as.install.wls,12.1.2.0.0,oh2
Component,oracle.as.install.wls.prerequisite,12.1.2.0.0,oh2
FeatureSet,cieCfg_wls_shared,12.1.2.0.0,oh2
Component,oracle.fmwconfig.common.wls.shared,12.1.2.0.0,oh2
Component,oracle.fmwconfig.wls.shared,12.1.2.0.0,oh2
Component,oracle.fmwconfig.common.wls.help,12.1.2.0.0,oh2
FeatureSet,cieCfg_wls,12.1.2.0.0,oh2
Component,oracle.fmwconfig.wls,12.1.2.0.0,oh2
Component,oracle.fmwconfig.common.wls,12.1.2.0.0,oh2
FeatureSet,thirdParty_orgCodehausWoodstox,4.1.2.0.0,oh2
Component,org.codehaus.woodstox,4.1.2.0.0,oh2
FeatureSet,orawsdl,12.1.2.0.0,oh2
Component,oracle.webservices.orawsdl,12.1.2.0.0,oh2
FeatureSet,ws_base,12.1.2.0.0,oh2
Component,oracle.webservices.base,12.1.2.0.0,oh2
FeatureSet,oracledb_xdk,12.1.2.0.0,oh2
Component,oracle.xdk.jrf,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.fmw,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.xmlparserv2,12.1.2.0.0,oh2
FeatureSet,thirdParty_apacheCommonsLang,2.6.0.0.0,oh2
Component,oracle.apache.commons.lang.mod,2.6.0.0.0,oh2
FeatureSet,thirdParty_apacheCommonsCollections,3.2.0.0.0,oh2
Component,oracle.apache.commons.collections.mod,3.2.0.0.0,oh2
FeatureSet,wls_portableSharedWithCoreEngine,12.1.2.0.0,oh2
Component,oracle.wls.wlsportable.server.shared.with.core.engine.mod,12.1.2.0.0,oh2
FeatureSet,wls_portable,12.1.2.0.0,oh2
Component,oracle.wls.wlsportable.mod,12.1.2.0.0,oh2
FeatureSet,thirdParty_oracleJersey,1.17.0.0.0,oh2
Component,oracle.jersey,12.1.2.0.0,oh2
FeatureSet,thirdParty_fasterxmlJackson,1.9.2.0.0,oh2
Component,oracle.jackson,12.1.2.0.0,oh2
FeatureSet,jrf_core,12.1.2.0.0,oh2
Component,oracle.jrf.j2ee,12.1.2.0.0,oh2
Component,oracle.jrf.infra.common,12.1.2.0.0,oh2
Component,oracle.jrf.thirdparty.jee,12.1.2.0.0,oh2
Component,oracle.jrf.iau,12.1.2.0.0,oh2
Component,oracle.opss.core,12.1.2.0.0,oh2
Component,oracle.jrf.thirdparty.toplink,12.1.2.0.0,oh2
Component,oracle.jrf.toplink,12.1.2.0.0,oh2
Component,oracle.javavm.jrf,11.2.0.3.0,oh2
Component,oracle.nlsrtl.jrf,11.2.0.3.0,oh2
Component,oracle.rdbms.jrf,11.2.0.3.0,oh2
Component,oracle.nlsjdk,12.1.2.0.0,oh2
Component,oracle.nlsjdk,12.1.2.0.0,oh2
FeatureSet,jrf_wlsCore,12.1.2.0.0,oh2
Component,oracle.opss.wls,12.1.2.0.0,oh2
FeatureSet,httpClient,12.1.2.0.0,oh2
Component,oracle.http_client,12.1.2.0.0,oh2
FeatureSet,owsm_fmCPlugin,12.1.2.0.0,oh2
Component,oracle.wsm.console.core,12.1.2.0.0,oh2
FeatureSet,wls_core_app_server_css_mod,12.1.2.0.0,oh2
Component,oracle.wls.core.app.server,12.1.2.0.0,oh2
Component,oracle.css.mod,12.1.2.0.0,oh2
FeatureSet,jrf_commonFmw,12.1.2.0.0,oh2
```

Component,oracle.jrf.infra.fmw.common,12.1.2.0.0,oh2
Component,oracle.jrf.applcore,12.1.2.0.0,oh2
Component,oracle.jrf.datadirect,12.1.2.0.0,oh2
Component,oracle.webservices.jrf,12.1.2.0.0,oh2
Component,oracle.rcu.iau,12.1.2.0.0,oh2
Component,oracle.rcu.opss,12.1.2.0.0,oh2
Component,oracle.wsm.agent.fmw,12.1.2.0.0,oh2
Component,oracle.wsm.common,12.1.2.0.0,oh2
Component,oracle.wsm.pmlib,12.1.2.0.0,oh2
Component,oracle.wsm.jrf,12.1.2.0.0,oh2
Component,oracle.opss.jrf,12.1.2.0.0,oh2
Component,oracle.osdt.jrf,12.1.2.0.0,oh2
Component,oracle.sslconfig.jrf,12.1.2.0.0,oh2
Component,oracle.owasp.jrf,12.1.2.0.0,oh2
Component,oracle.pwdgen.jrf,12.1.2.0.0,oh2
Component,oracle.ldap.jrf,12.1.2.0.0,oh2
Component,oracle.jakarta,12.1.2.0.0,oh2
Component,oracle.jgroups,12.1.2.0.0,oh2
Component,oracle.jsch,12.1.2.0.0,oh2
Component,oracle.jython,12.1.2.0.0,oh2
Component,oracle.as.common.clone,12.1.2.0.0,oh2
Component,oracle.common.rcu.config,12.1.2.0.0,oh2
Component,oracle.rcu.ucs.messaging,12.1.2.0.0,oh2
Component,oracle.sdp.messaging,12.1.2.0.0,oh2
Component,oracle.rcu.doc,12.1.2.0.0,oh2
Component,oracle.help.ohw.rcf,12.1.2.0.0,oh2
Component,oracle.help.ohw.share,12.1.2.0.0,oh2
Component,oracle.help.ohw.uix,12.1.2.0.0,oh2
Component,oracle.fmw.upgrade,12.1.2.0.0,oh2
Component,oracle.nlsgdk,12.1.2.0.0,oh2
Component,oracle.nlspdk,12.1.2.0.0,oh2
Component,oracle.webcenter.pageeditor,12.1.2.0.0,oh2
Component,oracle.webcenter.portlet.consumer,12.1.2.0.0,oh2
Component,oracle.webcenter.portlet.server,12.1.2.0.0,oh2
Component,oracle.webcenter.rest,12.1.2.0.0,oh2
Component,oracle.webcenter.skin,12.1.2.0.0,oh2
Component,oracle.webcenter.wccore,12.1.2.0.0,oh2
Component,oracle.javavm.jrf,11.2.0.3.0,oh2
Component,oracle.nlstrtl.jrf,11.2.0.3.0,oh2
Component,oracle.rdbms.jrf,11.2.0.3.0,oh2
Component,oracle.jrf.adfvt,12.1.2.0.0,oh2
Component,oracle.bali.cabo,12.1.2.0.0,oh2
Component,oracle.rcu.mds,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.xmlparserv2,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.fmw,12.1.2.0.0,oh2
Component,oracle.xdk.jrf,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0,oh2
Component,oracle.bali.ewt,12.1.2.0.0,oh2
FeatureSet,wls_devServer,12.1.2.0.0,oh2
Component,oracle.wls.core.app.server.mod,12.1.2.0.0,oh2
Component,oracle.wls.core.app.server.tier1nativelib,12.1.2.0.0,oh2
Component,oracle.wls.workshop.code.completion.support,12.1.2.0.0,oh2
Component,oracle.css.wls,12.1.2.0.0,oh2
Component,oracle.mysqlconn,12.1.2.0.0,oh2
Component,oracle.javavm.jrf,11.2.0.3.0,oh2
Component,oracle.nlstrtl.jrf,11.2.0.3.0,oh2
Component,oracle.ons,12.1.2.0.0,oh2
Component,oracle.xdk.jrf.jaxp,12.1.2.0.0,oh2
Component,oracle.wls.server.shared.with.core.engine,12.1.2.0.0,oh2
FeatureSet,wls_adminConsoleEnglish,12.1.2.0.0,oh2

```

Component,oracle.wls.admin.console.en,12.1.2.0.0,oh2
FeatureSet,wls_server,12.1.2.0.0,oh2
FeatureSet,JavaDb,12.1.2.0.0,oh2
Component,oracle.wls.evaluation.database,12.1.2.0.0,oh2
FeatureSet,wls_adminConsoleMultiLang,12.1.2.0.0,oh2
Component,oracle.wls.admin.console.nonen,12.1.2.0.0,oh2
FeatureSet,wls_sca,12.1.2.0.0,oh2
Component,oracle.wls.weblogic.sca,12.1.2.0.0,oh2
FeatureSet,wls_thirdPartyJdbc,12.1.2.0.0,oh2
Component,oracle.datadirect,12.1.2.0.0,oh2
FeatureSet,jrf_wlsFmw,12.1.2.0.0,oh2
Component,oracle.jrf.infra.fmw.wls,12.1.2.0.0,oh2
Component,oracle.wsm.agent.wls,12.1.2.0.0,oh2
FeatureSet,wls_pubsubSharedWithCoreEngine,12.1.2.0.0,oh2
Component,oracle.wls.http.pubsub.server.shared.with.core.engine,12.1.2.0.0,oh2
FeatureSet,wls_pubsub,12.1.2.0.0,oh2
Component,oracle.wls.http.pubsub.server,12.1.2.0.0,oh2
FeatureSet,em_fmc,12.1.2.0.0,oh2
Component,oracle.sysman.fmw.agent,12.1.2.0.0,oh2
Component,oracle.sysman.fmw.as,12.1.2.0.0,oh2
Component,oracle.sysman.fmw.core,12.1.2.0.0,oh2
Component,oracle.sysman.rcu,12.1.2.0.0,oh2
FeatureSet,owlcs,12.1.2.0.0,oh2
Component,oracle.ucs.callcontrol,12.1.2.0.0,oh2
Component,oracle.rcu.ucs.callcontrol,12.1.2.0.0,oh2
Component,oracle.thirdparty.jtapi,12.1.2.0.0,oh2
FeatureSet,wls4fmw,12.1.2.0.0,oh2
FeatureSet,adr_platforms,12.1.2.0.0,oh2
Component,oracle.adr,12.1.2.0.0,oh2
FeatureSet,em11_ccr,10.3.7.0.0,oh2
Component,oracle.sysman.ccr,10.3.8.1.0,oh2
FeatureSet,properties_loader,12.1.2.0.0,oh2
Component,oracle.as.customqna.jdkqna,12.1.2.0.0,oh2
FeatureSet,rda_core,12.1.2.0.0,oh2
Component,oracle.rda,4.30.0.0.0,oh2
FeatureSet,t2p,12.1.2.0.0,oh2
Component,oracle.as.common.clone,12.1.2.0.0,oh2
FeatureSet,thirdParty_apacheMaven,3.0.4.0.0,oh2
Component,oracle.thirdparty.maven,3.0.4.0.0,oh2
Component,oracle.jrf.maven.plugins.sync,12.1.2.0.0,oh2
Component,oracle.jrf.maven.plugins.gar,12.1.2.0.0,oh2
Component,oracle.jrf.maven.archetypes.gar,12.1.2.0.0,oh2
FeatureSet,wls_client,12.1.2.0.0,oh2
Component,oracle.wls.clients,12.1.2.0.0,oh2

```

D.2.3 Sample compareInventory Output to XML File

This section contains output from the compareInventory script comparing a Fusion Middleware Infrastructure Oracle home and a WebLogic and Coherence Oracle home on a UNIX operating system, output to a CSV file.

- If the parameter oh-diff="oh1" exists, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the -oracle_home1 parameter.
- If the parameter oh-diff="oh2" exists, then whatever distribution, component, or feature set is listed on that line exists in the Oracle home specified by the -oracle_home2 parameter.

- If the parameter `oh-diff="both"` exists, then whatever distribution, component, or feature set is listed on that line exists in both Oracle home locations.

The command used to generate this output was:

```
./compareInventory -oracle_home1 /home/Oracle/products/WLS_Oracle_Home -oracle_
home2 /home/Oracle/products/Oracle_Home -output_file
/home/userhome/compareinventory.xml
```

Below is the sample output:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:inventory-compare oracle_home1="/home/Oracle/products/WLS_Oracle_Home"
oracle_home2="/home/Oracle/products/Oracle_Home"
xmlns:ns2="http://xmlns.oracle.com/cie/gdr/icm"
xmlns="http://xmlns.oracle.com/cie/gdr/inv">
  <ns2:oracle-home nextgen-version="1.0.0.0">
    <distributions>
      <distribution name="WebLogic Server" version="12.1.2.0.0" oh-diff="oh1">
        <feature-sets>
          <feature-set name="jrf_dmsJse" version="12.1.2.0.0" oh-diff="oh1">
            <components>
              <component name="oracle.jse.dms" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
              </component>
            </components>
          </feature-set>
          <feature-set name="jrf_presoTools" version="12.1.2.0.0" oh-diff="oh1">
            <components>
              <component name="oracle.help.ohj" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.help.share" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.bali.ice" version="6.1.3.2.0" oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.bali.jewt" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.bali.share" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.fmw.common.wizard.resources"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
              </component>
            </components>
          </feature-set>
          <feature-set name="nginst_core" version="13.1.0.0.0" oh-diff="oh1">
            <components>
              <component name="oracle.nginst.core" version="13.1.0.0.0"
oh-diff="oh1">
                <patches/>
              </component>
            </components>
          </feature-set>
        </feature-sets>
      </distribution>
    </distributions>
  </ns2:oracle-home>
</ns2:inventory-compare>
```

```

    </feature-set>
    <feature-set name="opatch" version="13.1.0.0.0" oh-diff="oh1">
      <components>
        <component name="oracle.swd.opatch" version="13.1.0.0.0"
oh-diff="oh1">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="toplink" version="12.1.2.0.0" oh-diff="oh1">
      <components>
        <component name="oracle.jrf.toplink" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="toplink_coherence" version="12.1.2.0.0"
oh-diff="oh1">
      <components>
        <component name="oracle.toplink.coherence" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="thirdParty_apacheAnt" version="1.7.1.0.0"
oh-diff="oh1">
      <components>
        <component name="oracle.apache.ant.mod" version="1.7.1.0.0"
oh-diff="oh1">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="wls_commonServices" version="12.1.2.0.0"
oh-diff="oh1">
      <components>
        <component name="oracle.wls.common.cam" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
        <component name="oracle.wls.common.nodemanager" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
        <component name="oracle.wls.common.cam.wlst" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
        <component name="oracle.wls.shared.with.cam" version="12.1.2.0.0"
oh-diff="oh1">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="coherence" version="12.1.2.0.0" oh-diff="oh1">
      <components>
        <component name="oracle.coherence" version="12.1.2.0.0"
oh-diff="oh1">

```

```
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="orapki" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.osdt.core" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.pki" version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.rsa.crypto" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="cieCfg_common" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.fmwconfig.common.shared"
version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="fmw_install_framework" version="12.1.2.0.0"
oh-diff="oh1">
    <components>
      <component name="oracle.as.install.ui.framework"
version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.as.install.common.help" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="thirdParty_oracleJaxbRITools" version="2.2.7.0.0"
oh-diff="oh1">
    <components/>
  </feature-set>
  <feature-set name="thirdParty_oracleJaxbRIRuntime" version="2.2.7.0.0"
oh-diff="oh1">
    <components/>
  </feature-set>
  <feature-set name="thirdParty_oracleJaxbRIBRI" version="2.2.7.0.0"
oh-diff="oh1">
    <components/>
  </feature-set>
  <feature-set name="thirdParty_oracleJaxbRIBRI" version="2.2.7.0.0"
oh-diff="oh1">
    <components/>
  </feature-set>
  <feature-set name="fmw_install_wls" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.as.install.wls" version="12.1.2.0.0"
oh-diff="oh1">
```



```

        <patches/>
      </component>
      <component name="oracle.as.install.wls.prerequisite"
version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="cieCfg_wls_shared" version="12.1.2.0.0"
oh-diff="oh1">
    <components>
      <component name="oracle.fmwconfig.common.wls.shared"
version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.fmwconfig.wls.shared" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.fmwconfig.common.wls.help"
version="12.1.2.0.0" oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="cieCfg_wls" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.fmwconfig.wls" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
      <component name="oracle.fmwconfig.common.wls" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="thirdParty_orgCodehausWoodstox" version="4.1.2.0.0"
oh-diff="oh1">
    <components>
      <component name="org.codehaus.woodstox" version="4.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="orawsdl" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.webservices.orawsdl" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="ws_base" version="12.1.2.0.0" oh-diff="oh1">
    <components>
      <component name="oracle.webservices.base" version="12.1.2.0.0"
oh-diff="oh1">
        <patches/>
      </component>
    </components>
  </feature-set>

```

```
        </components>
    </feature-set>
    <feature-set name="thirdParty_apacheCommonsLang" version="2.6.0.0.0"
oh-diff="oh1">
        <components>
            <component name="oracle.apache.commons.lang.mod" version="2.6.0.0.0"
oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="thirdParty_apacheCommonsCollections"
version="3.2.0.0.0" oh-diff="oh1">
        <components>
            <component name="oracle.apache.commons.collections.mod"
version="3.2.0.0.0" oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_portableSharedWithCoreEngine"
version="12.1.2.0.0" oh-diff="oh1">
        <components>
            <component
name="oracle.wls.wlsportable.server.shared.with.core.engine.mod"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_portable" version="12.1.2.0.0" oh-diff="oh1">
        <components>
            <component name="oracle.wls.wlsportable.mod" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="httpClient" version="12.1.2.0.0" oh-diff="oh1">
        <components>
            <component name="oracle.http_client" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="thirdParty_oracleJersey" version="1.17.0.0.0"
oh-diff="oh1">
        <components>
            <component name="oracle.jersey" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="thirdParty_fasterxmlJackson" version="1.9.2.0.0"
oh-diff="oh1">
        <components>
            <component name="oracle.jackson" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
```

```

        </components>
    </feature-set>
    <feature-set name="wls_core_app_server_css_mod" version="12.1.2.0.0"
oh-diff="oh1">
        <components>
            <component name="oracle.wls.core.app.server" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.css.mod" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_devServer" version="12.1.2.0.0" oh-diff="oh1">
        <components>
            <component name="oracle.wls.core.app.server.mod"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.wls.core.app.server.tier1nativelib"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.wls.workshop.code.completion.support"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.css.wls" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.mysqlconn" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.javavm.jrf" version="11.2.0.3.0"
oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.nlsrtl.jrf" version="11.2.0.3.0"
oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.ons" version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.xdk.jrf.jaxp" version="12.1.2.0.0"
oh-diff="oh1">
                <patches/>
            </component>
            <component name="oracle.wls.server.shared.with.core.engine"
version="12.1.2.0.0" oh-diff="oh1">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_adminConsoleEnglish" version="12.1.2.0.0"
oh-diff="oh1">
        <components>
            <component name="oracle.wls.admin.console.en" version="12.1.2.0.0"

```

```
oh-diff="oh1">
    <patches/>
  </component>
</components>
</feature-set>
<feature-set name="wls_server" version="12.1.2.0.0" oh-diff="oh1">
  <components/>
</feature-set>
<feature-set name="JavaDb" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.wls.evaluation.database"
version="12.1.2.0.0" oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_adminConsoleMultiLang" version="12.1.2.0.0"
oh-diff="oh1">
  <components>
    <component name="oracle.wls.admin.console.nonen"
version="12.1.2.0.0" oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_sca" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.wls.weblogic.sca" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_thirdPartyJdbc" version="12.1.2.0.0"
oh-diff="oh1">
  <components>
    <component name="oracle.datadirect" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_pubsubSharedWithCoreEngine" version="12.1.2.0.0"
oh-diff="oh1">
  <components>
    <component
name="oracle.wls.http.pubsub.server.shared.with.core.engine" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_pubsub" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.wls.http.pubsub.server" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
```

```

<feature-set name="adr_platforms" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.adr" version="12.1.2.0.0" oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="emll_ccr" version="10.3.7.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.sysman.ccr" version="10.3.8.1.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="properties_loader" version="12.1.2.0.0"
oh-diff="oh1">
  <components>
    <component name="oracle.as.customqna.jdkqna" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="rda_core" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.rda" version="4.30.0.0.0" oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="t2p" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.as.common.clone" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="thirdParty_apacheMaven" version="3.0.4.0.0"
oh-diff="oh1">
  <components>
    <component name="oracle.thirdparty.maven" version="3.0.4.0.0"
oh-diff="oh1">
      <patches/>
    </component>
    <component name="oracle.jrf.maven.plugins.sync" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
    <component name="oracle.jrf.maven.plugins.gar" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
    <component name="oracle.jrf.maven.archetypes.gar"
version="12.1.2.0.0" oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>

```

```
<feature-set name="wls_client" version="12.1.2.0.0" oh-diff="oh1">
  <components>
    <component name="oracle.wls.clients" version="12.1.2.0.0"
oh-diff="oh1">
      <patches/>
    </component>
  </components>
</feature-set>
</feature-sets>
</distribution>
<distribution name="WebLogic Server for FMW" version="12.1.2.0.0"
oh-diff="oh2">
  <feature-sets>
    <feature-set name="jrf_dmsJse" version="12.1.2.0.0" oh-diff="oh2">
      <components>
        <component name="oracle.jse.dms" version="12.1.2.0.0" oh-diff="oh2">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="jrf_dmsCommon" version="12.1.2.0.0" oh-diff="oh2">
      <components>
        <component name="oracle.jrf.dms.common" version="12.1.2.0.0"
oh-diff="oh2">
          <patches/>
        </component>
      </components>
    </feature-set>
    <feature-set name="jrf_presoTools" version="12.1.2.0.0" oh-diff="oh2">
      <components>
        <component name="oracle.help.ohj" version="12.1.2.0.0"
oh-diff="oh2">
          <patches/>
        </component>
        <component name="oracle.help.share" version="12.1.2.0.0"
oh-diff="oh2">
          <patches/>
        </component>
        <component name="oracle.bali.ice" version="6.1.3.2.0" oh-diff="oh2">
          <patches/>
        </component>
        <component name="oracle.bali.jewt" version="12.1.2.0.0"
oh-diff="oh2">
          <patches/>
        </component>
        <component name="oracle.bali.share" version="12.1.2.0.0"
oh-diff="oh2">
          <patches/>
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    <feature-set name="JavaDb" version="12.1.2.0.0" oh-diff="oh2">
        <components>
            <component name="oracle.wls.evaluation.database"
version="12.1.2.0.0" oh-diff="oh2">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_adminConsoleMultiLang" version="12.1.2.0.0"
oh-diff="oh2">
        <components>
            <component name="oracle.wls.admin.console.nonen"
version="12.1.2.0.0" oh-diff="oh2">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_sca" version="12.1.2.0.0" oh-diff="oh2">
        <components>
            <component name="oracle.wls.weblogic.sca" version="12.1.2.0.0"
oh-diff="oh2">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="wls_thirdPartyJdbc" version="12.1.2.0.0"
oh-diff="oh2">
        <components>
            <component name="oracle.datadirect" version="12.1.2.0.0"
oh-diff="oh2">
                <patches/>
            </component>
        </components>
    </feature-set>
    <feature-set name="jrf_wlsFmw" version="12.1.2.0.0" oh-diff="oh2">
        <components>
            <component name="oracle.jrf.infra.fmw.wls" version="12.1.2.0.0"
oh-diff="oh2">
                <patches/>
            </component>
            <component name="oracle.wsm.agent.wls" version="12.1.2.0.0"
oh-diff="oh2">
                <patches/>
            </component>
        </components>
    </feature-set>

```

```
<feature-set name="wls_pubsubSharedWithCoreEngine" version="12.1.2.0.0"
oh-diff="oh2">
  <components>
    <component
name="oracle.wls.http.pubsub.server.shared.with.core.engine" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls_pubsub" version="12.1.2.0.0" oh-diff="oh2">
  <components>
    <component name="oracle.wls.http.pubsub.server" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="em_fmc" version="12.1.2.0.0" oh-diff="oh2">
  <components>
    <component name="oracle.sysman.fmw.agent" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
    <component name="oracle.sysman.fmw.as" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
    <component name="oracle.sysman.fmw.core" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
    <component name="oracle.sysman.rcu" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="owlcs" version="12.1.2.0.0" oh-diff="oh2">
  <components>
    <component name="oracle.ucs.callcontrol" version="12.1.2.0.0"
oh-diff="oh2">
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    <component name="oracle.rcu.ucs.callcontrol" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
    <component name="oracle.thirdparty.jtapi" version="12.1.2.0.0"
oh-diff="oh2">
      <patches/>
    </component>
  </components>
</feature-set>
<feature-set name="wls4fmw" version="12.1.2.0.0" oh-diff="oh2">
  <components/>
</feature-set>
<feature-set name="adr_platforms" version="12.1.2.0.0" oh-diff="oh2">
  <components>
    <component name="oracle.adr" version="12.1.2.0.0" oh-diff="oh2">
```

```

        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="emll_ccr" version="10.3.7.0.0" oh-diff="oh2">
    <components>
      <component name="oracle.sysman.ccr" version="10.3.8.1.0"
oh-diff="oh2">
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      </component>
    </components>
  </feature-set>
  <feature-set name="properties_loader" version="12.1.2.0.0"
oh-diff="oh2">
    <components>
      <component name="oracle.as.customqna.jdkqna" version="12.1.2.0.0"
oh-diff="oh2">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="rda_core" version="12.1.2.0.0" oh-diff="oh2">
    <components>
      <component name="oracle.rda" version="4.30.0.0.0" oh-diff="oh2">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="t2p" version="12.1.2.0.0" oh-diff="oh2">
    <components>
      <component name="oracle.as.common.clone" version="12.1.2.0.0"
oh-diff="oh2">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="thirdParty_apacheMaven" version="3.0.4.0.0"
oh-diff="oh2">
    <components>
      <component name="oracle.thirdparty.maven" version="3.0.4.0.0"
oh-diff="oh2">
        <patches/>
      </component>
      <component name="oracle.jrf.maven.plugins.sync" version="12.1.2.0.0"
oh-diff="oh2">
        <patches/>
      </component>
      <component name="oracle.jrf.maven.plugins.gar" version="12.1.2.0.0"
oh-diff="oh2">
        <patches/>
      </component>
      <component name="oracle.jrf.maven.archetypes.gar"
version="12.1.2.0.0" oh-diff="oh2">
        <patches/>
      </component>
    </components>
  </feature-set>
  <feature-set name="wls_client" version="12.1.2.0.0" oh-diff="oh2">
    <components>
      <component name="oracle.wls.clients" version="12.1.2.0.0"

```

```
oh-diff="oh2">
    <patches/>
  </component>
</components>
</feature-set>
</feature-sets>
</distribution>
</distributions>
</ns2:oracle-home>
</ns2:inventory-compare>
```

Configuring Installation and Configuration Log Files

This appendix describes the log files that are created by the installer and Configuration Wizard.

Log files contain information that can help you troubleshoot problems with your installation or configuration.

This appendix contains the following sections:

- [Section E.1, "Understanding Installation Log Files"](#)
- [Section E.2, "Understanding Configuration Log Files"](#)

E.1 Understanding Installation Log Files

By default, 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 operating systems, if you do not know the location of your Oracle Inventory directory, you can find it in the *oraInst.loc* file in the following directories (default locations):

- Linux: */etc/oraInst.loc*
- HP-UX and Solaris: */var/opt/oracle/oraInst.loc*

On Windows operating systems, the location for the inventory directory is *%SystemDrive%\Program Files\Oracle\Inventory\logs*. If you are using a 32-bit installer on a 64-bit Windows machine, the inventory directory is *%SystemDrive%\Program Files (x86)\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.
- `oraInstalldate-time-stamp.err`
This log file contains the error stream of the copy session.

To Change the Name of your Log File:

Use the `-logFile` parameter from the command line when you start the installer. For example:

```
java -jar fmw_infra_121200.jar -logFile C:\home\logs\my_custom_log_file.log
```

To Change the Logging Level for More or Less Verbose Logging:

Use the `-logLevel` parameter from the command line when you start the installer. For example:

```
java -jar fmw_infra_121200.jar -logLevel info
```

To Log Time Usage Information:

Use the `-printtime` parameter from the command line when you start the installer. Using the `-printtime` parameter creates the `timeTakedate-time-stamp.log` and `timedate-time-stamp.log` files in the same directory. For example:

```
java -jar fmw_infra_121200.jar -printtime
```

Below is a brief description of the `timeTakedate-time-stamp.log` and `timedate-time-stamp.log` files:

- `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.

To Log Memory Usage Information:

Use the `-printmemory` parameter from the command line when you start the installer. For example:

```
java -jar fmw_infra_121200.jar -printmemory
```

The `-printmemory` parameter causes the `memorydate-time-stamp.log` to be created. This file contains memory usage information for the copy session.

E.2 Understanding 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 -log_priority=log_level
```

On Windows operating systems:

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

See [Table E-1](#) for more details about the `-log` and `-log_priority` options.

Table E-1 Configuration Wizard Log File Options

Parameter	Description
<code>-log</code>	<p>Specify the location of your log file.</p> <p>If you specify an absolute path with your <code>log_filename</code> 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 <code>logs</code> directory in the Oracle home.</p> <p>Other values that can be specified with <code>-log</code> are:</p> <ul style="list-style-type: none"> ▪ <code>stdout</code> This writes the error message to the standard output stream. ▪ <code>stderr</code> This writes the error messages to the standard error stream. ▪ <code>disable</code> This disables default logging so that no log files are generated in <code>ORACLE_HOME/logs</code> (on UNIX operating systems) or <code>ORACLE_HOME\logs</code> (on Windows operating systems).
<code>-log_priority</code>	<p>Specify the level of detail you want included in your logs.</p> <p>The acceptable values are listed below, from most detailed to least detailed:</p> <ul style="list-style-type: none"> ▪ <code>debug</code> ▪ <code>info</code> ▪ <code>warning</code> ▪ <code>error</code> ▪ <code>fatal</code>

