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Oracle® Fusion Middleware

Installing Software with the Oracle Universal Installer

12*c* (12.2.1.1)

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

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Oracle Fusion Middleware Installing Software with the Oracle Universal Installer , 12c (12.2.1.1)

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Preface

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

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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.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Fusion Middleware 12*c* 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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Using the Oracle Universal Installer

You can use the Oracle Universal Installer to install and deinstall Oracle Fusion Middleware 12*c*.

For more information about using the Oracle Universal Installer, see the following topics:

System Requirements for Oracle Universal Installer
> To prepare to run the Oracle Universal Installer on your system, make sure to verify the system requirements.

Understanding the Oracle Central Inventory
> 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.

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.

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.

Understanding Available Modes of Installation
> You can run the Oracle Universal Installer in either graphical mode or silent mode.

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

Configuring Oracle Configuration Manager
> During an Oracle Fusion Middleware installation, you will be asked whether or not you want to configure your system to automatically check for security updates on the Security Updates screen. If you choose

to do so, Oracle Configuration Manager is installed and configured through the product installer.

1.1 System Requirements for Oracle Universal Installer

To prepare to run the Oracle Universal Installer on your system, make sure to verify the system requirements.

See "Oracle Universal Installer Requirements" in *Oracle Fusion Middleware System Requirements and Specifications*.

1.2 Understanding the Oracle Central Inventory

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.

Each time the Oracle Universal Installer is run, it checks your system for a central inventory location. If no central inventory location is found (for example, this is the first time you are installing an Oracle product on your system), you will be prompted to create one (Specifying the Oracle Central Inventory Location on UNIX Operating Systems).

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 central 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 any Oracle home, Domain home or Application home location.

All products installed into the same Oracle home must be associated with the same Oracle central inventory.

Specifying the Oracle Central Inventory Location on UNIX Operating Systems
> On UNIX operating systems, you can use the graphical installer or silent installation to set the Oracle central inventory location.

Oracle Central Inventory Location on UNIX Operating Systems
> To find the Oracle central inventory on UNIX operating systems, look for the `oraInst.loc` file.

Oracle Central Inventory Location on Windows Operating Systems
> On Windows operating systems, the default location for the central inventory directory is `C:\Program Files\Oracle\Inventory`.

1.2.1 Specifying the Oracle Central Inventory Location on UNIX Operating Systems

On UNIX operating systems, you can use the graphical installer or silent installation to set the Oracle central inventory location.

Setting the Oracle Central Inventory Location Using the Graphical Installer on UNIX Operating Systems
> If no existing Oracle central inventory is detected on your UNIX operating system when installing Oracle products using the Oracle Universal Installer graphical interface, you will see the Installation Inventory Setup screen.

Setting the Oracle Central Inventory Location Using Silent Installation on UNIX Operating Systems
> On UNIX operating systems, for silent installation, the Oracle central inventory must be setup on your system before you run the installation. To do this, you must run the `/tmp/createCentralInventory.sh` script as `root` to create the central inventory.

1.2.1.1 Setting the Oracle Central Inventory Location Using the Graphical Installer on UNIX Operating Systems

If no existing Oracle central inventory is detected on your UNIX operating system when installing Oracle products using the Oracle Universal Installer graphical interface, you will see the Installation Inventory Setup screen.

Follow the instructions on the Installation Inventory Setup screen to setup your Oracle central inventory. This must be done before you can continue with your product installation.

This does the following:

- Creates the Oracle central inventory directory (default is *USER_HOME*/`oraInventory`). This directory is owned by the user performing the installation.

- Creates the `createCentralInventory.sh` script inside the Oracle central inventory location (for example, *USER_HOME*/oraInventory/`createCentralInventory.sh`).

  This script must be run as `root` to register your Oracle central inventory location to a standard file on your system (for example, `/etc/oraInst.loc`). See Oracle Central Inventory Location on UNIX Operating Systems).

1.2.1.2 Setting the Oracle Central Inventory Location Using Silent Installation on UNIX Operating Systems

On UNIX operating systems, for silent installation, the Oracle central inventory must be setup on your system before you run the installation. To do this, you must run the `/tmp/createCentralInventory.sh` script as `root` to create the central inventory.

Note that after doing so, all of directories that are created on your system by running the script are owned by `root` instead of the user performing the installation. For more information on creating the Oracle central inventory using silent installation, see UNIX Users: Creating the Central Inventory

1.2.2 Oracle Central Inventory Location on UNIX Operating Systems

To find the Oracle central inventory on UNIX operating systems, look for the `oraInst.loc` file.

The `oraInst.loc` file is in the following directories (default locations):

- Linux: `/etc/oraInst.loc`

- HP-UX, IBM AIX, Mac OS X, and Solaris: `/var/opt/oracle/oraInst.loc`

1.2.3 Oracle Central Inventory Location on Windows Operating Systems

On Windows operating systems, the default location for the central inventory directory is `C:\Program Files\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.

Note that there are two kinds of inventories - the Oracle central inventory and the Oracle home inventory. You use the `viewInventory.sh` or `viewInventory.cmd` script to view the Oracle home inventory.

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 options for this command are optional and are described in the following table.

Table 1-1   Options for the viewInventory Script

Options	Description
-jreLoc	The -jreLoc option specifies the Java home to be used. If -jreLoc is not specified, the default location is the Java home associated with the Oracle home containing the viewInventory script.
-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	The format for which you want the output to be recorded. Valid values are:
	• report
	  Sends output to the console window. See Sample viewInventory Output to Terminal Window.
	• xml
	  Sends output to an XML file. See Sample viewInventory Output to XML File.
	• csv
	  Sends output to a CSV file. See Sample viewInventory Output to CSV File.
	If no output format is specified, the default will be detected based on whatever is specified for -output_file.

-output_file	The name and format of the output file. This option 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 options are required. All of the options for this command are optional and are described in the following table.

Table 1-2   Options for the compareInventory Script

Option	Description
-oracle_home1	Full path to one of the two Oracle home locations you want to compare.
-oracle_home2	Full path to the second Oracle home location you want to compare.
-jreLoc	The -jreLoc option specifies the Java home to be used. If -jreLoc is not specified, the default location is the Java home associated with the Oracle home containing the compareInventory script.
-input_type1	Specify whether or not the data from -oracle_home1 is provided as an XML file, or as a directory location. Valid values are: • dir (for directory location) • xml (for XML file) If no value is specified the script will automatically detect the source format.

Table 1-2   (Cont.) Options for the compareInventory Script

Option	Description
-input_type2	Specify whether or not the data from -oracle_home2 is provided as an XML file, or as a directory location. Valid values are: • dir (for directory location) • xml (for XML file) If no value is specified the script will automatically detect the source format.
-output_file	The name and format of the output file. This option 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. • For sample output to the terminal window, see Sample compareInventory Output to Terminal Window. • For sample output to a CSV file, see Sample compareInventory Output to CSV File. • For sample output to a XML file, see Sample compareInventory Output to XML File.

1.5 Understanding Available Modes of Installation

You can run the Oracle Universal Installer in either graphical mode or silent mode.

• 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 Using the Oracle Universal Installer in Silent Mode . For sample response files, see Sample Response Files for Silent Installation and Deinstallation.

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.

Starting the Oracle Universal Installer in a Generic (.jar) Distribution
Follow these steps to start the Oracle Universal Installer in a `.jar` distribution.

Starting the Oracle Universal Installer in a Platform-Specific Distribution
Follow these steps to start the Oracle Universal Installer in a platform-specific distribution.

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

Follow these steps to start the Oracle Universal Installer in a `.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 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 located within your JDK home. For example:

   On UNIX operating systems:

   ```
   /home/Oracle/jdk8_77/jdk1.8.0_77/bin/java -jar distribution_name.jar
   ```

   On Windows operating systems:

   ```
   C:\Program Files\Java\jdk8_77\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/jdk8_77/jdk1.8.0_77; export JAVA_HOME
   ```

   On Windows operating systems

   ```
   set JAVA_HOME=C:\Program Files\Java\jdk1.8.0_77
   ```

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

Follow these steps to start 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 Windows Explorer to navigate to the directory containing the distribution, and double-click on the `distribution_name.exe` file.

1.7 Configuring Oracle Configuration Manager

During an Oracle Fusion Middleware installation, you will be asked whether or not you want to configure your system to automatically check for security updates on the Security Updates screen. If you choose to do so, Oracle Configuration Manager is installed and configured through the product installer.

If Oracle Configuration Manager is not configured from the installer (Security Updates screen), then you can manually configure Oracle Configuration Manager after an Oracle Fusion Middleware installation. You can run the following command from the `ORACLE_HOME`/oracle_common/ccr/bin directory (on UNIX operating systems) or from the `ORACLE_HOME`\oracle_common\ccr\bin directory (on Windows operating systems) to set up and configure Oracle Configuration Manager:

On UNIX operating systems:

```
configCCR -a
```

On Windows operating systems:

```
setupCCR.exe -a
```

For more information, refer to Installing Oracle Configuration Manager in the *Oracle Configuration Manager Installation and Administration Guide*.

2

Using the Oracle Universal Installer in Silent Mode

To install or deinstall Oracle Fusion Middleware, you can use the Oracle Universal Installer in silent mode from the command line.

For information on how to run the Oracle Universal Installer from the command line, see the following topics:

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.

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).

Running the Oracle Universal Installer in Silent Mode
> Follow these instructions to run the Oracle Universal Installer in silent mode and to set up your Oracle central inventory for the first time.

Running the Oracle Universal Installer for Silent Deinstallation
> Follow these instructions to run the Oracle Universal Installer to deinstall your Oracle Fusion Middleware products in silent mode.

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 input 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 called a response file. For more information, see Understanding Response Files.

> **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 UNIX Users: Creating the Central Inventory, 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.

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.

Creating a Response File
> Oracle recommends following these steps to create a response file that you can use to install or deinstall your product.

Sample Response Files
> The provided sample response files show you the parameters that can be included in a response file for a silent installation or deinstallation.

Oracle Universal Installer Response File Parameters
> These parameters can be included in a valid response file for the Oracle Universal Installer.

Understanding the Security of Response Files During 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.

2.2.1 Creating a Response File

Oracle recommends following these steps to create a response file that you can use to install or deinstall your product.

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

The provided sample response files show you the parameters that can be included in a response file for a silent installation or deinstallation.

To see some sample response files that can be used for silent installation, see Sample Response Files for Silent Installation and Deinstallation.

The parameters that can be included in the response files are described in Oracle Universal Installer Response File Parameters.

2.2.3 Oracle Universal Installer Response File Parameters

These parameters can be included in a valid response file for the Oracle Universal Installer.

See Sample Response Files for Silent Installation and Deinstallation for some sample response files.

Table 2-1   Oracle Universal Installer Response File Parameters

Corresponding Screen	Parameter	Description
Auto Updates	DECLINE_AUTO_UPDATES	Set this parameter to true if you want to skip software updates. The installer will not check for updates that might be applicable to the current product installation.
	MOS_USERNAME MOS_PASSWORD	Provide your My Oracle Support user name and password if you want the installer to automatically search My Oracle Support for software updates that apply to the software products you are about to install.
	AUTO_UPDATES_LOCATION	Enter the path for the local directory where your updates are located. Use this parameter if you already downloaded the latest software updates and you want the installer to search a local directory for updates applicable to the products you are about to install.
	SOFTWARE_UPDATES_PROXY_SERVER SOFTWARE_UPDATES_PROXY_PORT SOFTWARE_UPDATES_PROXY_USER SOFTWARE_UPDATES_PROXY_PASSWORD	Provide the proxy server information if a proxy server is required for connections to the Internet and for accessing My Oracle Support.
Installation Location	ORACLE_HOME	Location of the Oracle home directory.

Table 2-1 (Cont.) Oracle Universal Installer Response File Parameters

Corresponding Screen	Parameter	Description

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 `true` if you want to decline receiving security updates. By default, this parameter is set to `false`.
	`SECURITY_UPDATES_VIA_MYORACLESUPPORT`	If you specify values for `MYORACLESUPPORT_USERNAME` and `MYORACLESUPPORT_PASSWORD`, this parameter must be set to `true`.

	`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:
		
		`http://repeater_host:repeater_port`
		
		or
		
		`https://repeater_host:repeater_port`

Installation Type	`INSTALL_TYPE`	Specify the type of install you want to perform. This value will differ depending on your product distribution. For example, for the Fusion Middleware Infrastructure distribution, the following install types are valid: • Fusion Middleware Infrastructure • Fusion Middleware Infrastructure With Examples
Distribution to Uninstall	`SELECTED_DISTRIBUTION`	Specify the distribution you want to remove from the Oracle home. This parameter is required if more than one distribution exists in the Oracle home from which the deinstaller program is started. Enter the product name as it appears on the Distribution to Deinstall screen.

2.2.4 Understanding the Security of Response Files During 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 Running the Oracle Universal Installer in Silent Mode

Follow these instructions to run the Oracle Universal Installer in silent mode and to set up your Oracle central inventory for the first time.

Summary of the Silent Installation Syntax and Commands
> To run the product installer from the command line, make sure you understand the syntax and various command line options you can use for your installation.

UNIX Users: Creating the Central Inventory
> The first time you run the installer in silent mode on your UNIX operating system, you will need to create a central inventory directory.

Sample Output from a Silent Installation
> This example shows sample output from a silent Oracle WebLogic Server and Coherence installation.

2.3.1 Summary of the Silent Installation Syntax and Commands

To run the product installer from the command line, make sure you understand the syntax and various command line options you can use for your installation.

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

```
java -jar distribution_name.jar [-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>)*]
```

The following table lists the valid command line options for silent installation and graphical installation.

Table 2-2   Installer Command Line Options for Silent Installation and Graphical Installation

Option	Description
-install	Launches the installer. This is the default operation.
	Only one operation can be specified.

Table 2-2   (Cont.) Installer Command Line Options for Silent Installation and Graphical Installation

Option	Description
-silent	Performs the designated operation (such as -install or -deinstall) in silent mode. If -silent is not specified, a graphical user interface is used.
-help	Displays the usage options for the installer.
-invPtrLoc *file*	UNIX only - pointer to the central inventory location file. Replace *file* with the full path and name of the oraInst.loc file.
-responseFile *file*	Pointer to the response file. Replace *file* with the full path and name of the response file. See Understanding Response Files for information about creating the response files.
-logLevel *level*	Specify the level of logging performed by the installer; all messages with a lower priority than the specified *level* will be recorded. Valid levels are: • severe • warning • info • config • fine • finer • finest
-debug	Obtain debug information from the installer.
-printdiskusage	Log debugging information pertaining to disk usage.
-printmemory	Log debugging information pertaining to memory usage.
-printtime	Log debugging information pertaining to time usage.
-noconsole	Messages will not be displayed to the console window.
-ignoreSysPrereqs	Ignore the results of the system prerequisite checks and continue with the installation.
-executeSysPrereqs	Execute the system prerequisite checks only, then exit.
-paramFile *file*	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 option overrides the default initialization file of the installer.
-compatibilityFile *file*	Location of the file that specifies feature set dependency changes.

Table 2-2 (Cont.) Installer Command Line Options for Silent Installation and Graphical Installation

Option	Description
-nowait	Windows only - the installer does not wait for the user to press Enter on the console after the operation (such as -install) is complete.
Installer Variables	Installer variables are specified using varName=*value*.

2.3.2 UNIX Users: Creating the Central Inventory

The first time you run the installer in silent mode on your UNIX operating system, you will need to create a central inventory directory.

As a result, you will see a prompt similar to the following example:

```
You are starting your first installation on this host or you do not have sufficient
permission to access current inventory. As part of this install, you need to specify
a
directory for installer files. This is called the "inventory directory". Within the
inventory
directory, the installer automatically sets up subdirectories for each product to
contain
inventory data and will consume typically 150 Kilobytes per product. It is
recommended
that this file (oraInst.loc) be created in /etc directory. You need root privileges
to do so. You
can exit the installer and run the script located in /tmp/
createCentralInventory1371119669507.sh
to set up the central inventory location.
```

Follow the instructions described in the prompt to run the /tmp/createCentralInventory.sh script as root to create the oraInst.loc file and your central inventory directory. This must be done before you can continue with your product installation. For more information, see Setting the Oracle Central Inventory Location Using Silent Installation on UNIX Operating Systems.

2.3.3 Sample Output from a Silent Installation

This example shows sample output from a silent Oracle WebLogic Server and Coherence installation.

```
java -jar fmw_12.2.1.1.0_wls_generic.jar -silent -responseFile /home/exampleuser/
response/wls.rsp
Launcher log file is /tmp/OraInstall2016-03-29_09-40-48AM/launcher2016-03-29
09-40-48AM.log
Extracting the installer.................. Done
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/
OraInstall2016-3-29_09-40-48AM
Log: /tmp/OraInstall2016-03-29_09-40-48AM/install2016-03-29_09-40-48AM.log
Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved.
```

```
Reading response file..
Skipping Software Updates
Starting check : CertifiedVersions
Expected result: One of oracle-6,oracle-7,redhat-7,redhat-6,SuSE-11
Actual Result: oracle-6
Check complete. The overall result of this check is: Passed
CertifiedVersions Check: Success.
Starting check : CheckJDKVersion
Expected result: 1.8.0_74
Actual Result: 1.8.0_74
Check complete. The overall result of this check is: Passed
CheckJDKVersion Check: Success.

Validations are enabled for this session.
Verifying data
Copying Files
Percent Complete : 10
Percent Complete : 20
Percent Complete : 30
Percent Complete : 40
Percent Complete : 50
Percent Complete : 60
Percent Complete : 70
Percent Complete : 80
Percent Complete : 90
Visit http://www.oracle.com/support/policies.html for Oracle Technical Support
policies.
Percent Complete : 100

The installation of Oracle Fusion Middleware 12c WebLogic Server and Coherence
12.2.1.1.0 completed successfully.
Logs successfully copied to /home/exampleuser/oraInventory/logs.
```

2.4 Running the Oracle Universal Installer for Silent Deinstallation

Follow these instructions to run the Oracle Universal Installer to deinstall your Oracle Fusion Middleware products in silent mode.

Summary of the Silent Deinstallation Syntax and Commands

To run the product deinstaller from the command line, make sure you understand the syntax and various command line options you can use for deinstallation.

Sample Silent Deinstall Commands

These commands show how you can deinstall your product in silent mode.

Sample Silent Deinstall Output

This example shows sample output from a silent Oracle WebLogic Server and Coherence deinstallation.

2.4.1 Summary of the Silent Deinstallation Syntax and Commands

To run the product deinstaller from the command line, make sure you understand the syntax and various command line options you can use for deinstallation.

To deinstall your Oracle Fusion Middleware product in silent mode, use the -silent option from the command line.

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

ORACLE_HOME/oui/bin/deinstall.sh -silent [-options] [(<CommandLinevariable=Value>)*]

The following table lists the valid command line options for silent deinstallation and graphical deinstallation.

Table 2-3   Deinstaller Command Line Options for Silent Deinstallation and Graphical Deinstallation

Options	Description
-help	Displays the usage options for the deinstaller.
-deinstall	Launches the deinstaller in GUI mode. This is the default mode and is used if no mode is specified on the command line.
-distributionName *name*	Specify the name of the distribution you want to remove from the Oracle home. This is necessary in the event that your Oracle home contains multiple distributions (for example, Oracle Fusion Middleware Infrastructure and Oracle SOA Suite).
-distributionVersion *version*	Specify the version of a particular distribution you want to remove from the Oracle home. This is necessary in the event that your Oracle home contains multiple distributions (for example, Oracle Fusion Middleware Infrastructure and Oracle SOA Suite).
-responseFile *file*	Pointer to the response file. Replace *file* with the full path and name of the response file. See Understanding Response Files for information about creating the response files.
-logLevel *level*	Specify the level of logging performed by the installer; all messages with a lower priority than the specified *level* will be recorded. Valid levels are: • severe • warning • info • config • fine • finer • finest
-debug	Obtain debug information from the installer.
-printdiskusage	Log debugging information pertaining to disk usage.
-printmemory	Log debugging information pertaining to memory usage.
-printtime	Log debugging information pertaining to time usage.
-noconsole	Messages will not be displayed to the console window.
-ignoreSysPrereqs	Ignore the results of the system prerequisite checks and continue with the installation.
-executeSysPrereqs	Execute the system prerequisite checks only, then exit.

Table 2-3 (Cont.) Deinstaller Command Line Options for Silent Deinstallation and Graphical Deinstallation

Options	Description
`-paramFile` *file*	The `oraparam.ini` file is an initialization file for the deinstaller. The `-paramFile` option overrides the default initialization file of the deinstaller.
`-nowait`	Windows only - the installer does not wait for the user to press Enter on the console after the operation (such as `-install`) is complete.
Installer Variables	Installer variables are specified using `varName=`*value*.

2.4.2 Sample Silent Deinstall Commands

These commands show how you can deinstall your product in silent mode.

Below is an example silent deinstall command:

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

You can include the `-logLevel` option to create a verbose installation log. See Summary of the Silent Deinstallation Syntax and Commands, for more details about this option.

Below is an example silent deinstall command specifying a response file and `FINE` as the logging level.

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

Below is an example silent deinstall command with multiple products in a single Oracle home:

```
ORACLE_HOME/oui/bin/deinstall.sh -silent -responseFile /home/exampleuser/
deinstall.rsp -distributionVersion 12.2.1.1.0 -distributionName "Oracle Data
Integrator"
```

For silent deinstall, you have to specify `-distributionName` and `-distributionVersion` from command line in case multiple distributions are installed.

2.4.3 Sample Silent Deinstall Output

This example shows sample output from a silent Oracle WebLogic Server and Coherence deinstallation.

```
ORACLE_HOME/oui/bin/deinstall.sh -silent -responseFile /home/exampleuser/
wls_deinstall.rsp
Launcher log file is /tmp/OraInstall2016-03-29_10-15-31AM/
launcher2016-03-29_10-15-31AM.log.
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

Log: /tmp/OraInstall2016-03-29_10-15-31AM/deinstall2016-03-29_10-15-31AM.log
```

```
Setting ORACLE_HOME to /home/Oracle/products/Oracle_Home
Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved.
Reading response file..
Starting silent deinstallation...
Percent Complete : 10
Percent Complete : 20
Percent Complete : 30
Percent Complete : 40
Percent Complete : 50
Percent Complete : 60
Percent Complete : 70
Percent Complete : 80
Percent Complete : 90
100%

The uninstall of WebLogic Server 12.2.1.1.0 completed successfully.
Logs successfully copied to /home/exampleuser/oraInventory/logs.
```

3

Recovering From a Partial or Interrupted Installation or Configuration

Use this information to help recover from a partial or interrupted installation or configuration.

Understanding Oracle Fusion Middleware Installation and Configuration
> The installation of an Oracle Fusion Middleware product consists of two phases, the installation phase and the configuration phase.

Recovering From an Installation Phase Failure or Interruption
> If the product installation is interrupted during the installation phase, the recommended approach is to deinstall the product and remove the Oracle home, then start the installation again.

Recovering From a Configuration Phase Failure or Interruption
> If the installation phase is completed successfully but the configuration phase is interrupted and cannot be restarted, it is recommended to follow these steps to recover from the failure or interruption.

3.1 Understanding Oracle Fusion Middleware Installation and Configuration

The installation of an Oracle Fusion Middleware product consists of two phases, the installation phase and the configuration phase.

1. Installation Phase

    During this phase, the installer lays down the product files in an Oracle home directory.

    See Recovering From an Installation Phase Failure or Interruption, for information about recovering from an installation phase failure or interruption.

2. Configuration Phase

    During this phase, the configuration wizard is run to configure the WebLogic Server domain for the product. WebLogic Server domains contain configuration files, log files, and temporary files associated with the domain.

    See Recovering From a Configuration Phase Failure or Interruption, for information about recovering from an configuration phase failure or interruption.

3.2 Recovering From an Installation Phase Failure or Interruption

If the product installation is interrupted during the installation phase, the recommended approach is to deinstall the product and remove the Oracle home, then start the installation again.

The product deinstaller is located in the *ORACLE_HOME*/oui/bin directory. Refer to Running the Oracle Universal Installer for Silent Deinstallation for instructions to deinstall your product.

3.3 Recovering From a Configuration Phase Failure or Interruption

If the installation phase is completed successfully but the configuration phase is interrupted and cannot be restarted, it is recommended to follow these steps to recover from the failure or interruption.

1. Take steps to address and fix the cause of the failure or interruption. Troubleshooting advice can be found in any of the following locations:

   - Your Oracle Fusion Middleware product installation guide.

   - Log in to My Oracle Support:

     https://support.oracle.com/

     After logging in, click on one of the following tabs to find more information:

     - **Knowledge** to access and search the knowledge base.

     - **Communities** to access My Oracle Support Communities.

     - Click on **Service Requests** to search service requests or file a new service request regarding your issue.

2. Once the cause of the failure has been resolved, there are two potential paths to resuming the configuration:

   a. If the Configuration Wizard is still up and running, try clicking **Retry** in the graphical user interface. If a **Retry** button is not available or clicking the **Retry** button has no effect, exit the Configuration Wizard and refer to the following option:

   b. If you have exited the Configuration Wizard, manually remove objects which the Configuration Wizard may have already created. Typically, this will be the *DOMAIN_HOME* directory and its contents. It should not be necessary to remove the contents of the Oracle home.

   > **Note:**
   >
   > Some products may require extra domain or product removal steps. Refer to the deinstallation chapter in your product installation guide for more details.

3. Once you have taken steps to remove what was created by the failed configuration attempt, launch the Configuration Wizard and attempt the configuration again.

A

Oracle Universal Installer Installation Screens

The Oracle Universal Installer installation screens will prompt you for information required to install the software.

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

The following topics contain screenshots and descriptions for these screens:

Installation Inventory Setup

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

Welcome

The Welcome screen introduces you to the Oracle Fusion Middleware installer.

Auto Updates

Use the Auto Updates screen to search for the latest software updates, including important security updates, via your My Oracle Support account.

Installation Location

Use the Installation Location screen to specify your Oracle home directory location.

Installation Type

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

Prerequisite Checks

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

Security Updates

If you wish to register your installation, enter your email address and your My Oracle Support password on the Security Updates screen.

Auto Updates — Patch Selection

The Auto Updates — Patch Selection screen lists the patches that were found by the Auto Updates feature. Select one or more patches and click **Next** to apply the selected patches to the Oracle home.

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.

Installation Progress

The Installation Progress screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete.

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.

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 the Installation Inventory Setup screen to specify the location of the Oracle central inventory directory.
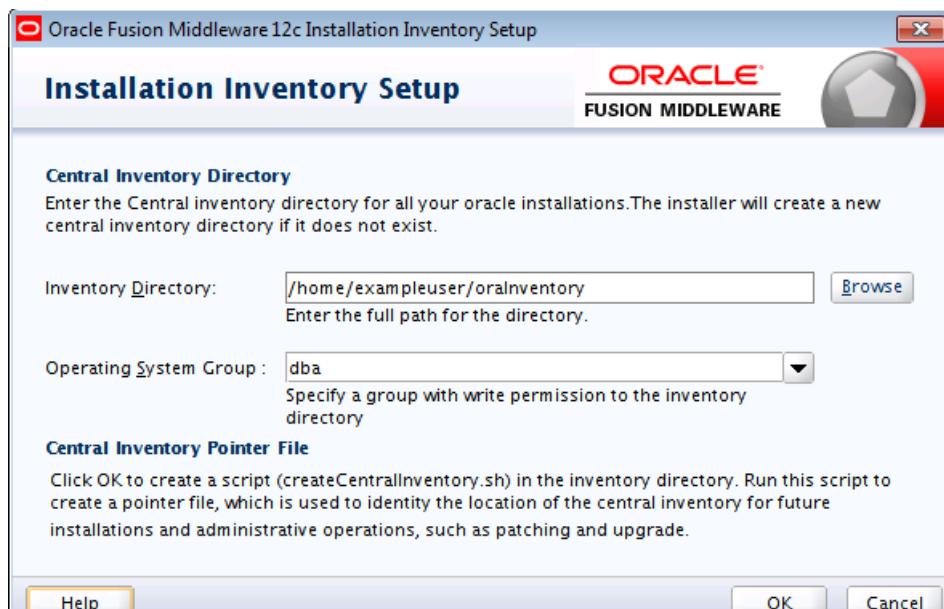
The central inventory directory is used by the installer to keep track of all Oracle products installed on the computer.

The following table describes the fields on this page.

Field	Description
Inventory Directory	Use this field to identify the complete path for the new Oracle inventory directory that will be created.
	By default, the installer assumes you will create the Oracle central inventory in a directory, based on the following environment variable and path:
	`$USER_HOME/oraInventory`
	If this location is not appropriate for your environment, enter a new path for the location of the central inventory directory.
	Note that the central inventory directory will eventually contain many files, including log files for each Oracle software installation you perform on this machine.
Operating System Group Name	From the **Operating System Group** drop-down menu, select the group whose members you want to grant access to the central inventory directory; all members of this group will be able to install products on this machine.

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 central 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 Understanding the Oracle Central Inventory.

A.2 Welcome

The Welcome screen introduces you to the Oracle Fusion Middleware installer.

This page 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 Auto Updates

Use the Auto Updates screen to search for the latest software updates, including important security updates, via your My Oracle Support account.
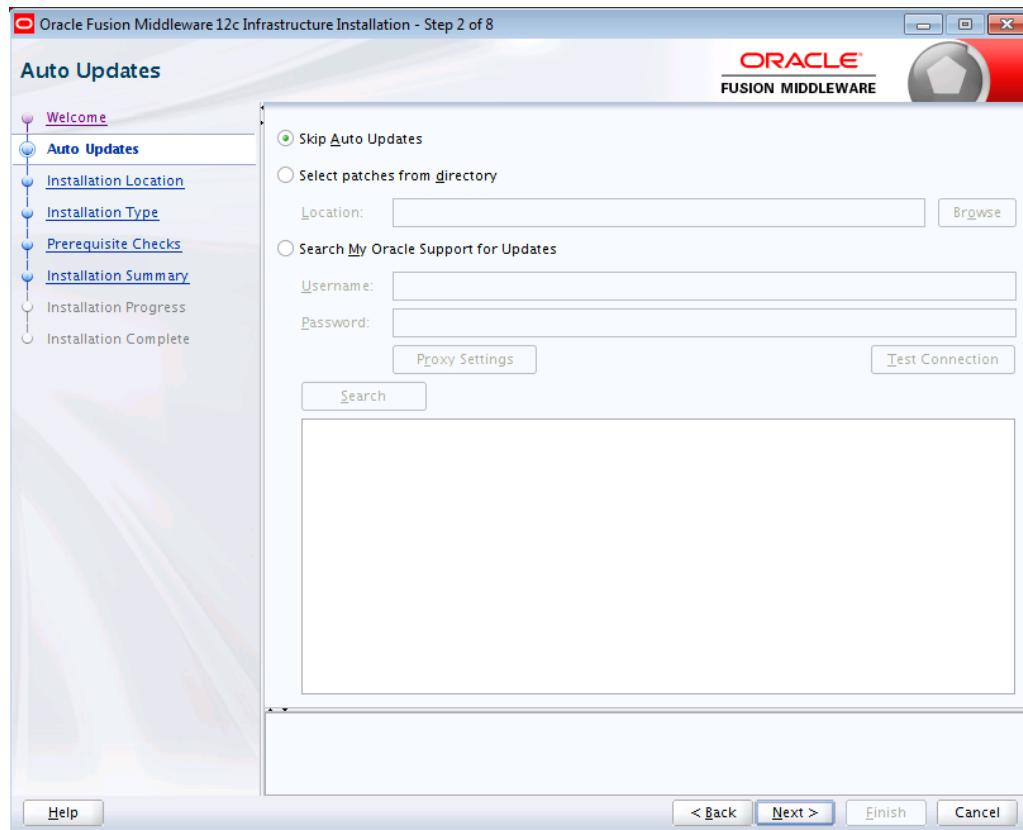
The following table describes the options on this screen:

Element	Description
Skip Auto Updates	Select this option to skip this screen. The installer will not check for updates that might be applicable to the current product installation.
Select patches from directory	Select this option if you already downloaded the latest software updates and you want the installer to search a local directory for updates applicable to the products you are about to install. When you select this option, the installer displays an additional field that you can use to identify the local directory where your updates are located.
Location	Enter the path for the local directory where your updates are located, or click **Browse** to locate a specific directory.
Search My Oracle Support for Updates	If you have a My Oracle Support account, then select this option to have the installer automatically search My Oracle Support for software updates that apply to the software products you are about to install.
Username	Enter your My Oracle Support account name.
Password	Enter your My Oracle Support account password.

Element	Description
Test Connection	Click this button to test your login credentials and the connection to My Oracle Support by clicking **Test Connection**.
Proxy Settings	Click this button if a proxy server is required for connections to the Internet. Use the resulting dialog box to enter the details about your proxy server.
Search	If you selected **Select patches from directory**, then click this button to search the specified directory for available patches. If you selected **Search My Oracle Support for Updates**, then click this button to search My Oracle Support for available patches. When you click **Search**, note the following: • If the Auto Updates feature locates one or more patches that must be applied to the Installer (also known as "bootstrap patches"), then the patches are listed on this screen. When you click **Next**, the Installer prompts you to quit and restart the Installer. • If the Auto Updates feature locates one or more application patches, that must be applied to the Oracle home you are creating or updating, then a separate list of those patches will appear in a list later in the installation session.

A.4 Installation Location

Use the Installation Location screen to specify your Oracle home directory location.
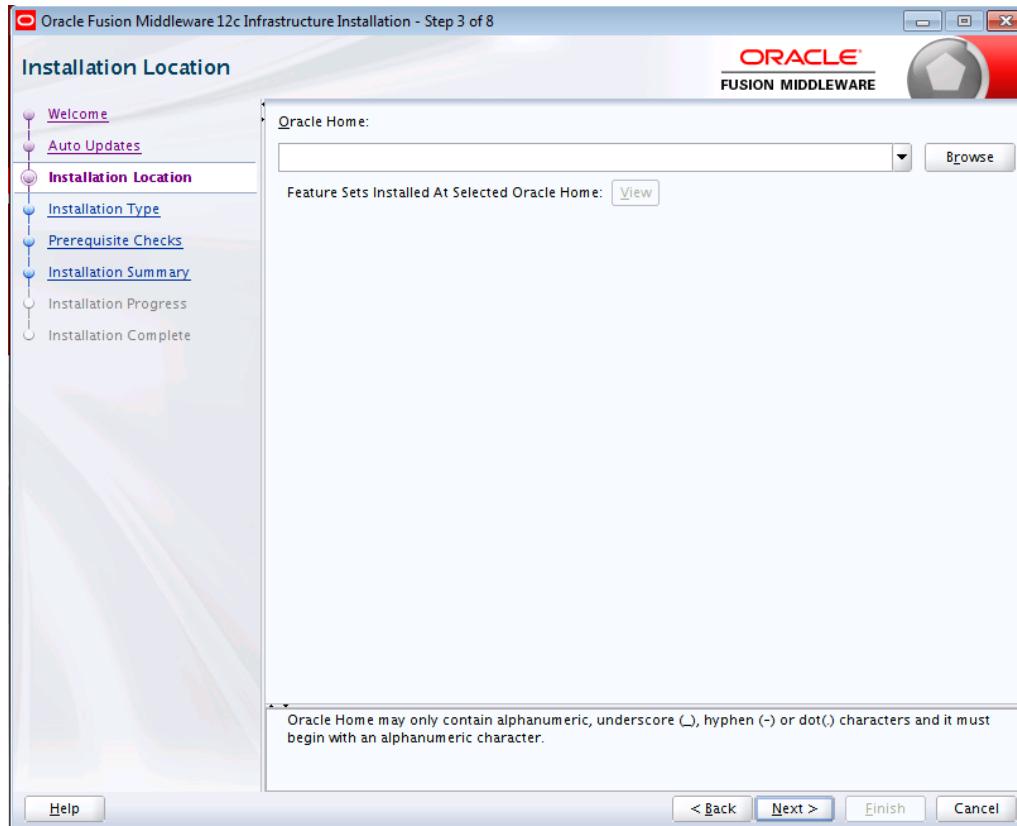
If you have an existing directory into which one or more Oracle products have already been installed, that directory can be viewed in the drop-down list. You can see which

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.5 Installation Type

Use the Installation Type screen to determine the type of installation you want to perform and consequently, which products and features are installed.
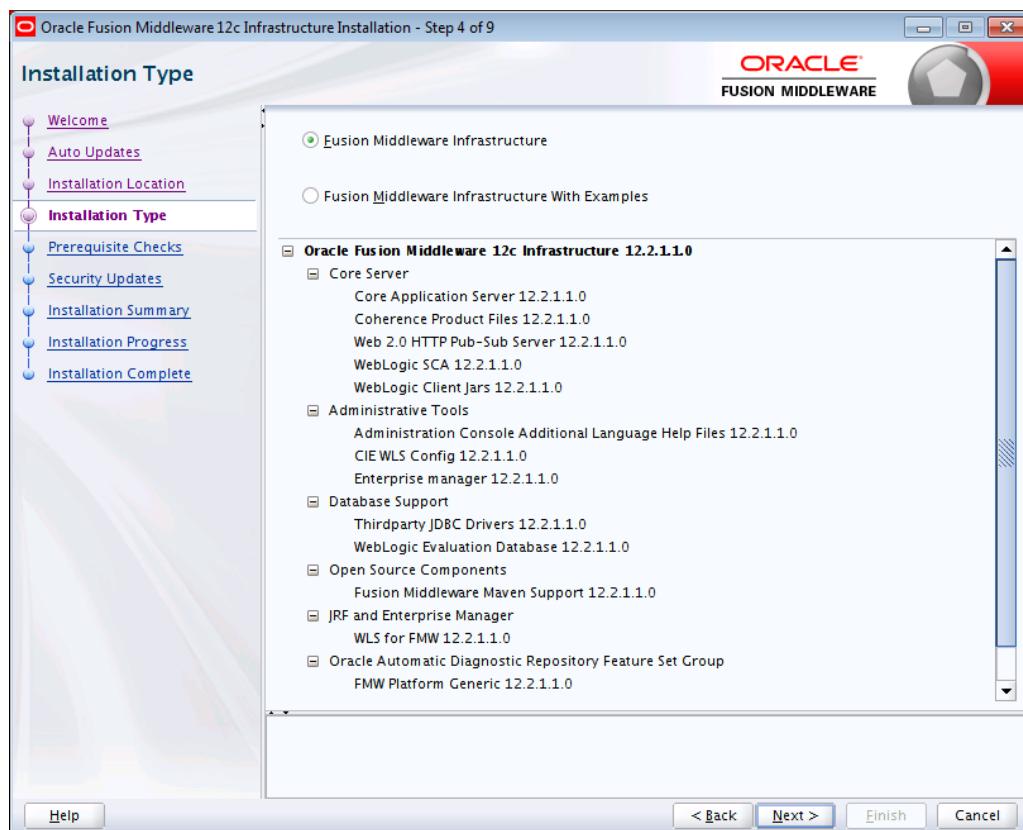
The options you see on this screen will differ depending on the product you are installing. Refer to your product installation guide for specific details.

A.6 Prerequisite Checks

The Prerequisite Checks screen analyzes the host computer to ensure that specific operating system prerequisites have been met.
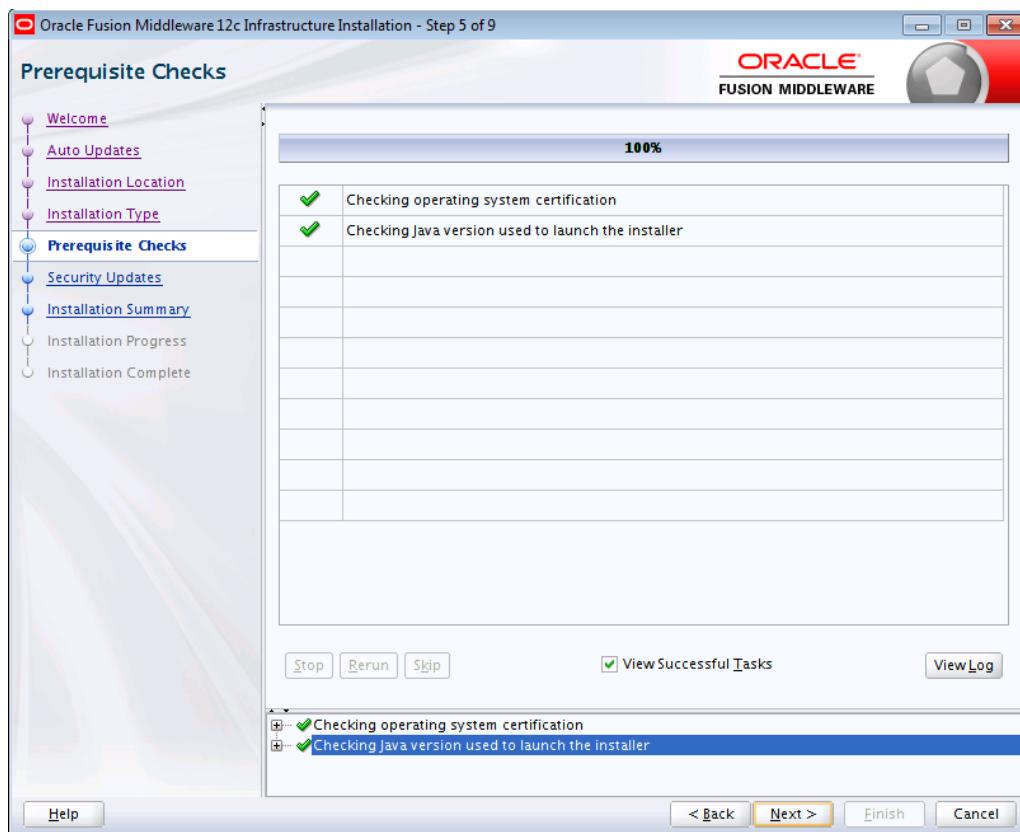
The following table describes the options on this screen.

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.7 Security Updates

If you wish to register your installation, enter your email address and your My Oracle Support password on the Security Updates screen.
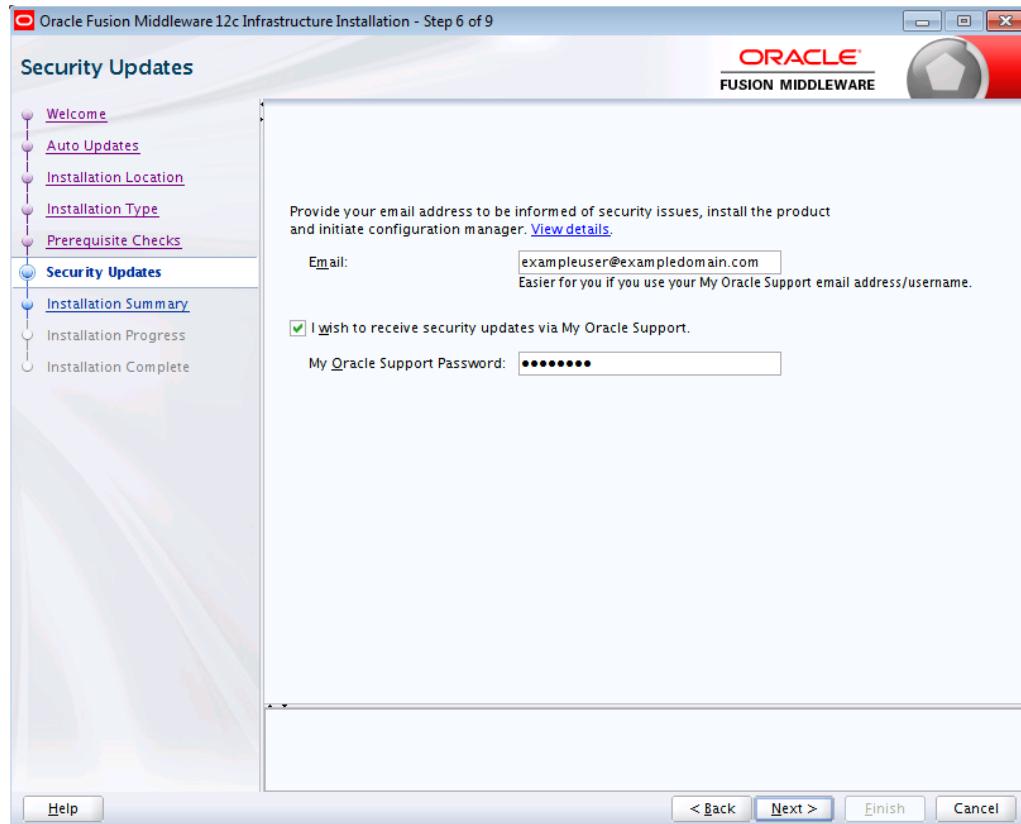
If you wish to decline registration, deselect "I wish to receive security updates via My Oracle Support" and confirm your choice.

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

A.8 Auto Updates — Patch Selection

The Auto Updates — Patch Selection screen lists the patches that were found by the Auto Updates feature. Select one or more patches and click **Next** to apply the selected patches to the Oracle home.
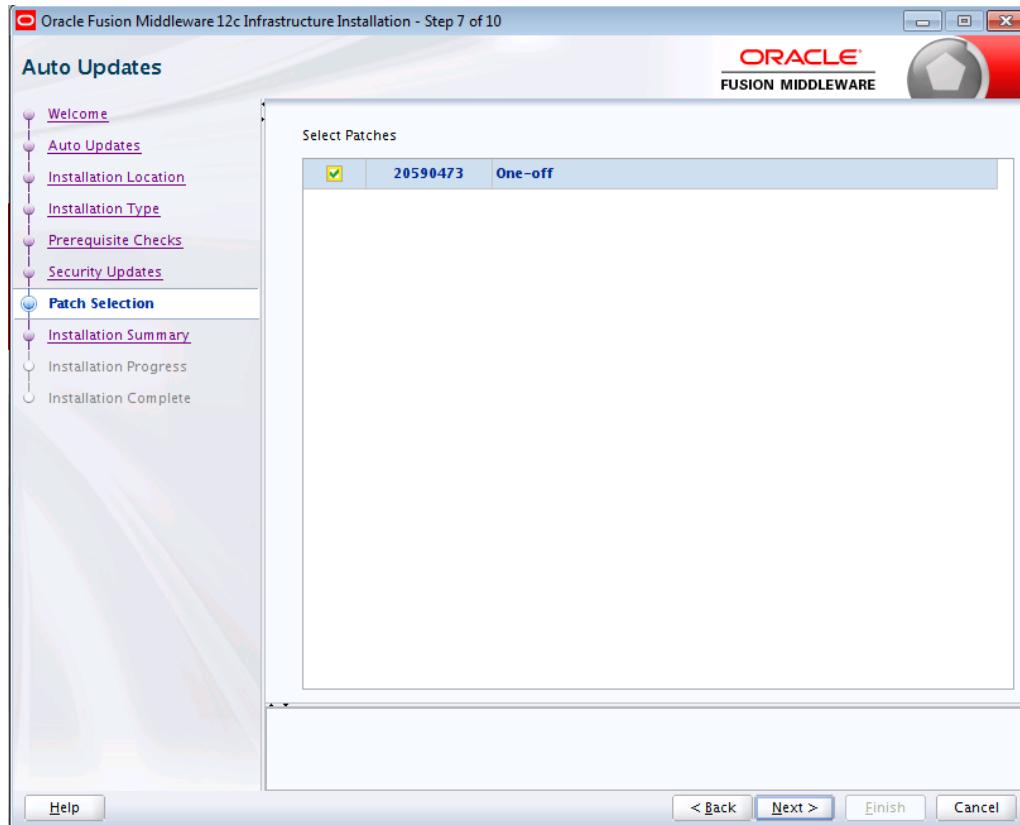
This screen appears if the both of the following statements are true:

- You searched for available patches earlier in the installation session, using the Auto Updates screen.

- The Auto Updates feature located one or more application patches that must be applied to the Oracle home you are creating in this installation session.

A.9 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.
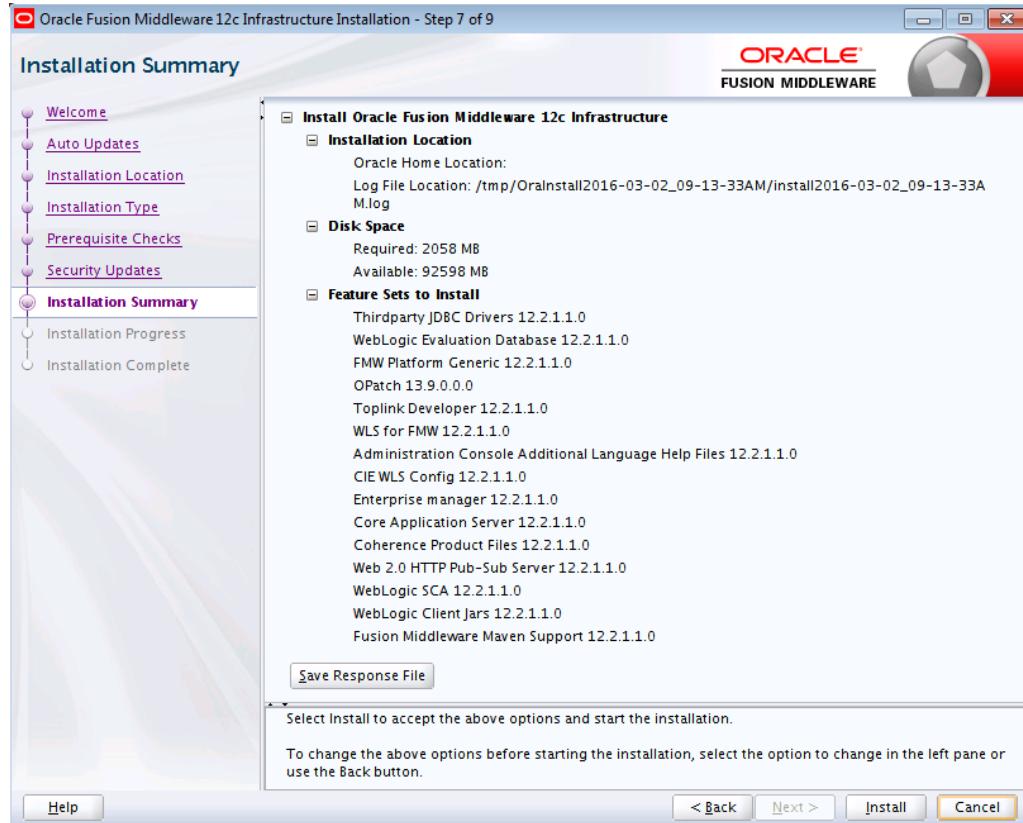
You can also click on an individual component to display its approximate installed size.

Click **Save Response File** to save this configuration to a response file, which can be used later in a silent install situation. See Using the Oracle Universal Installer in Silent Mode , for more information about response file and silent installation.

A.10 Installation Progress

The Installation Progress screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete.
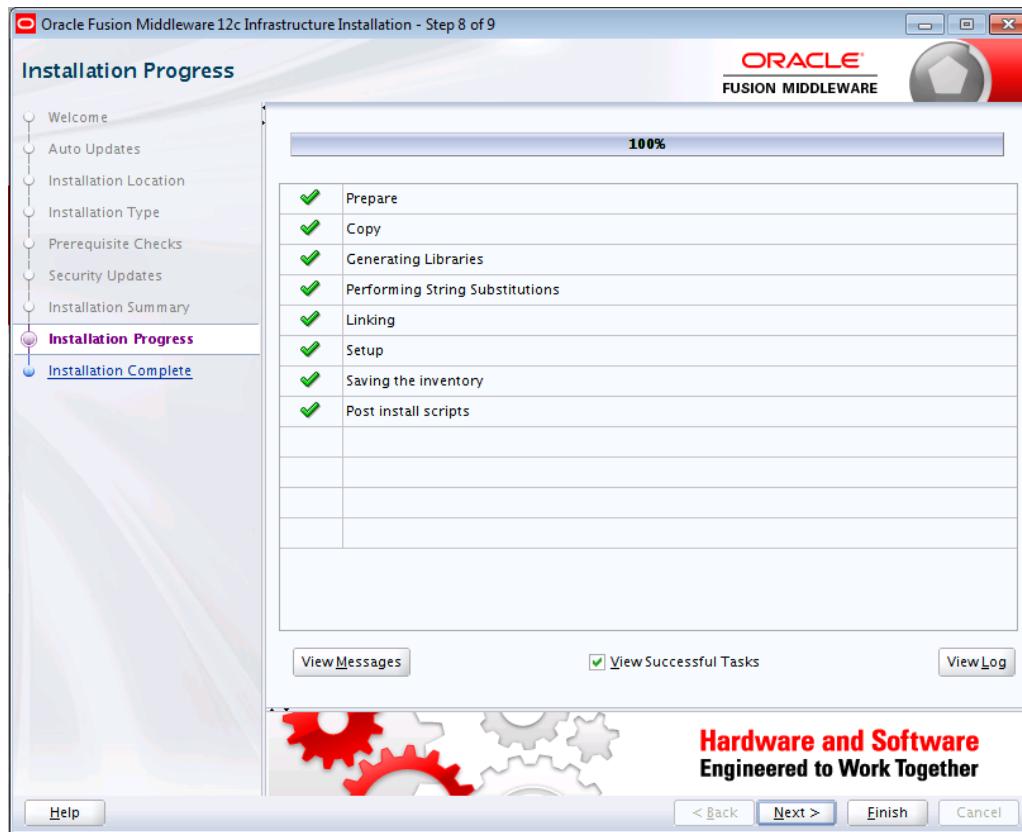
> **Note:**
>
> The "Generating Libraries" task may take up to 70% of the total installation time on some system.

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.11 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.

B
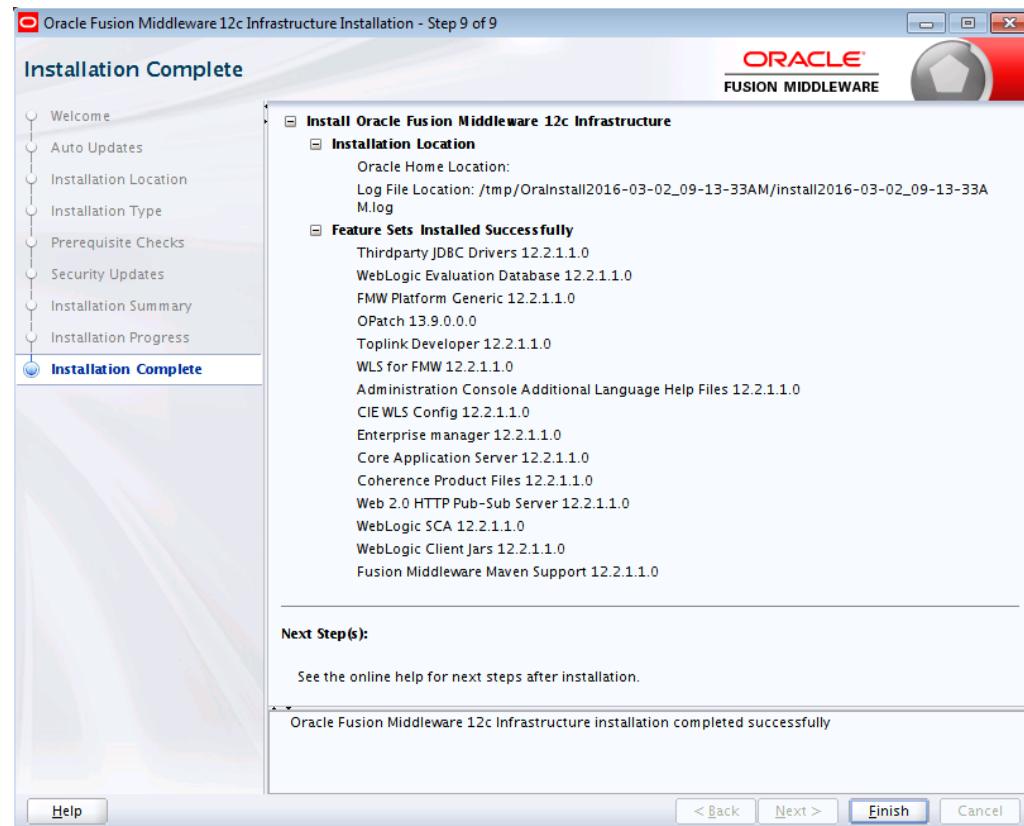
Oracle Universal Installer Deinstallation Screens

Use the Oracle Universal Installer deinstallation screens to deinstall your Oracle Fusion Middleware software.

The following topics contain screenshots and descriptions for these screens:

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

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

Deinstallation Summary
>   Use the Deinstallation Summary screen to verify that you have selected
>   the Oracle home that you want to deinstall.

Deinstallation Progress
>   Use the Deinstallation Progress screen to monitor the progress of the
>   deinstallation process.

Deinstallation Complete
>   The Deinstallation Complete screen summarizes the deinstallation that
>   was just completed.

B.1 Distribution to Uninstall

The installer will display the Distribution to Uninstall screen only if more than one distribution is detected in the Oracle home from where the program is started.
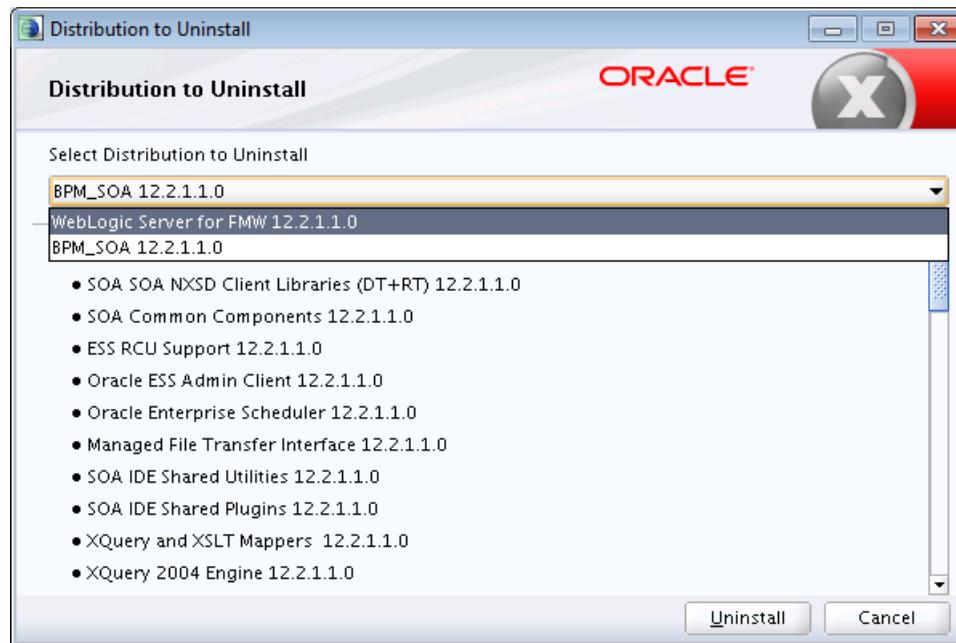
Select the distribution you want to deinstall from the drop-down list, then click **Uninstall**.

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 the Welcome screen when you are about to deinstall one or more Oracle Fusion Middleware software products.
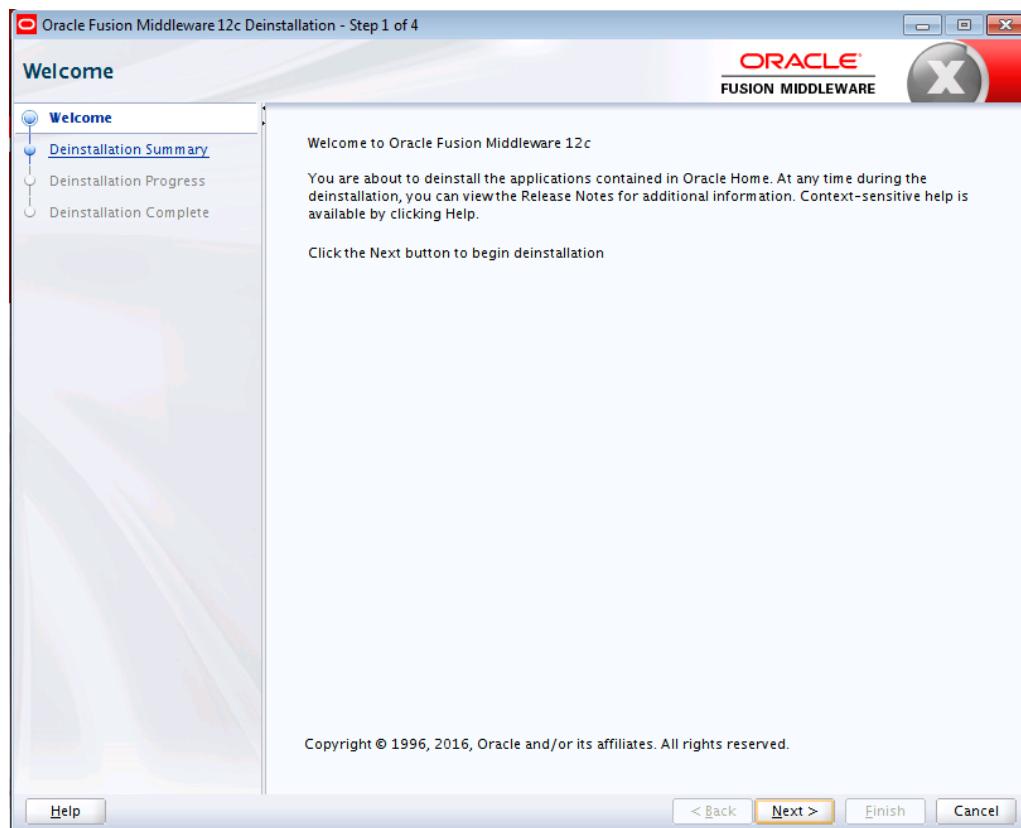
When you use the installer to deinstall your Oracle Fusion Middleware software, the installer removes the software files in the selected Oracle home from disk, updates the Oracle central inventory, and performs other operating system-specific tasks to remove the products.

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 deinstall the software.

B.3 Deinstallation Summary

Use the Deinstallation Summary screen to verify that you have selected the Oracle home that you want to deinstall.
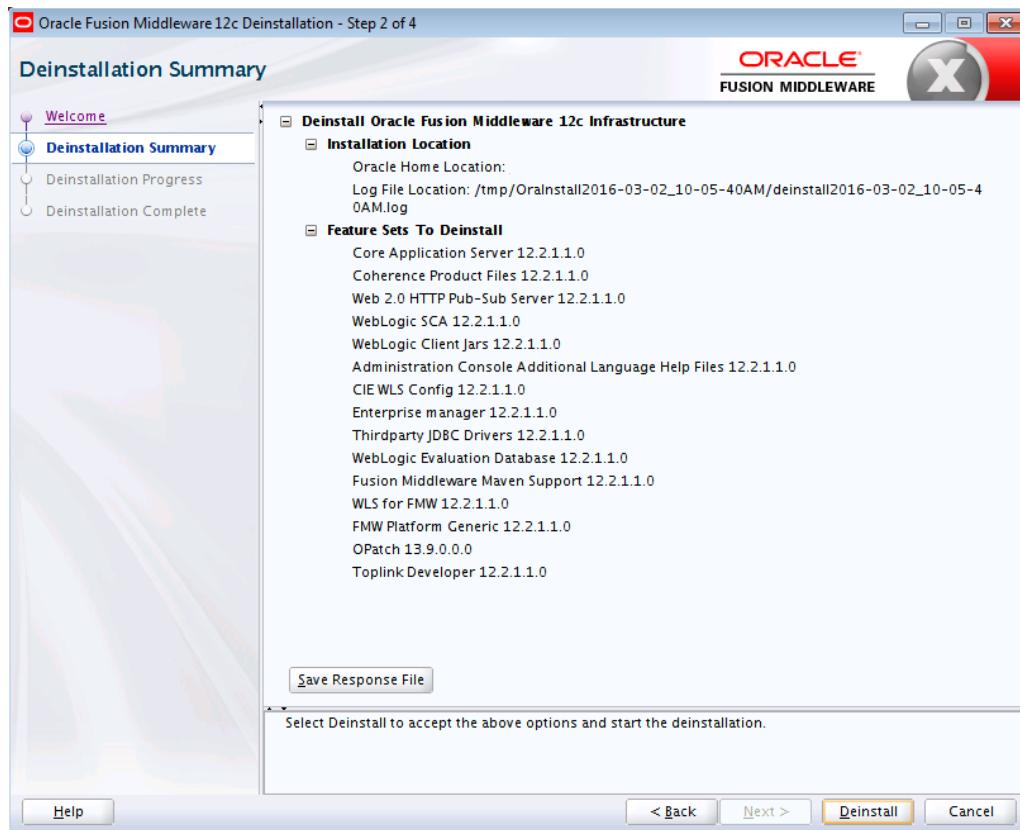
If you want to save this configuration to a text file (called a response file), click **Save Response File**. The resulting response file can be used later if you choose to perform the same deinstallation procedure from the command line.

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 the Deinstallation Progress 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 check box is selected by default, and shows the list of tasks in the main part of the screen as they are completed. Deselect this check box 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.
Next	Click **Next** to proceed to the Deinstallation Complete page.
Finish	Click **Finish** to dismiss the installer without seeing any more screens.

When the progress bar reaches 100%, it indicates that the deinstallation is complete and the products have been cleared from the Oracle Inventory.

B.5 Deinstallation Complete

The Deinstallation Complete screen summarizes the deinstallation that was just completed.

C
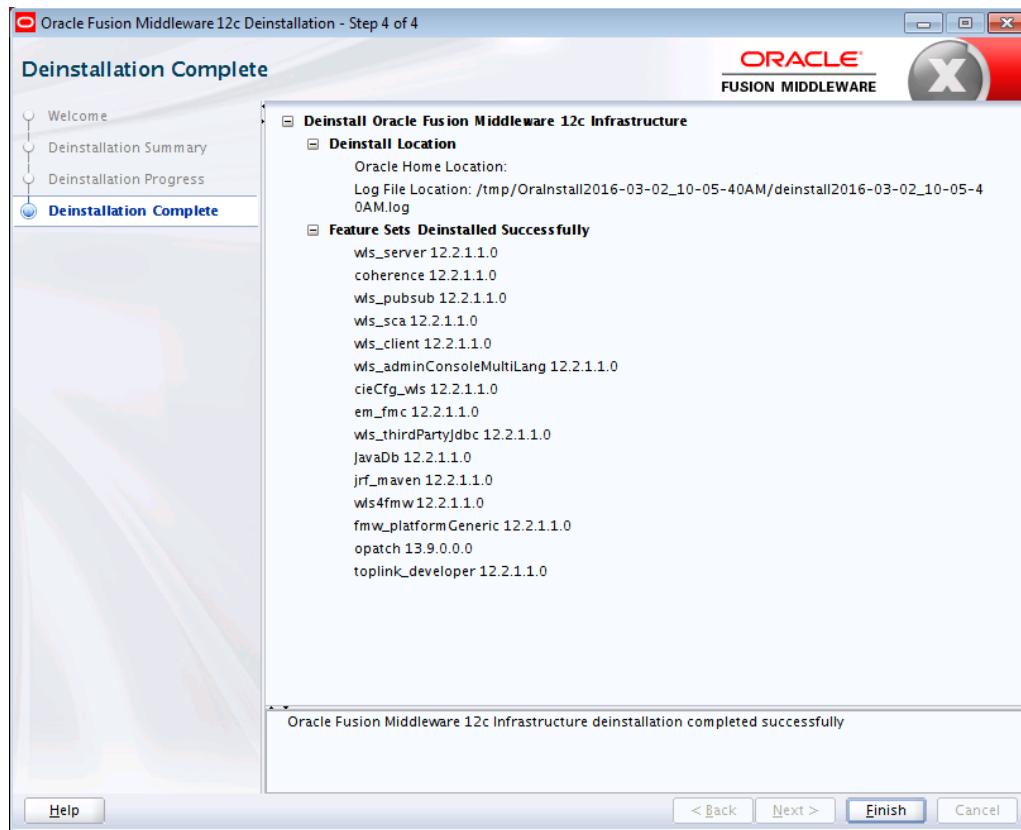
Sample Response Files for Silent Installation and Deinstallation

These files are sample response files for the Oracle Fusion Middleware Infrastructure and Oracle WebLogic Server and Coherence distributions.

For more information about the parameters in the response files, see Oracle Universal Installer Response File Parameters..

Installation Response Files
> To run the product installer in silent mode, you must provide a valid response file that contains information about the installation.

Deinstallation Response Files
> To run the product deinstaller in silent mode, you must provide a valid response file that contains information about the deinstallation.

C.1 Installation Response Files

To run the product installer in silent mode, you must provide a valid response file that contains information about the installation.

Sample Response File for Oracle Fusion Middleware Infrastructure Installation
> This sample shows the information that you can specify in a response file for a silent installation of Oracle Fusion Middleware Infrastructure.

Sample Response File for Oracle WebLogic Server and Coherence Installation
> This sample shows the information that you can specify in a response file for a silent installation of Oracle WebLogic Server and Coherence.

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

This sample shows the information that you can specify in a response file for a silent installation of Oracle Fusion Middleware Infrastructure.

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#Set this to true if you wish to skip software updates
DECLINE_AUTO_UPDATES=true

#My Oracle Support User Name
MOS_USERNAME=

#My Oracle Support Password
MOS_PASSWORD=<SECURE_VALUE>
```

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

#Proxy Server Name to connect to My Oracle Support
SOFTWARE_UPDATES_PROXY_SERVER=

#Proxy Server Port
SOFTWARE_UPDATES_PROXY_PORT=

#Proxy Server Username
SOFTWARE_UPDATES_PROXY_USER=

#Proxy Server Password
SOFTWARE_UPDATES_PROXY_PASSWORD=<SECURE_VALUE>

#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 sample shows the information that you can specify in a response file for a silent installation of Oracle WebLogic Server and Coherence.

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#Set this to true if you wish to skip software updates
DECLINE_AUTO_UPDATES=true

#My Oracle Support User Name
MOS_USERNAME=

#My Oracle Support Password
MOS_PASSWORD=<SECURE_VALUE>

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

#Proxy Server Name to connect to My Oracle Support
SOFTWARE_UPDATES_PROXY_SERVER=

#Proxy Server Port
SOFTWARE_UPDATES_PROXY_PORT=

#Proxy Server Username
SOFTWARE_UPDATES_PROXY_USER=

#Proxy Server Password
SOFTWARE_UPDATES_PROXY_PASSWORD=<SECURE_VALUE>

#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

To run the product deinstaller in silent mode, you must provide a valid response file that contains information about the deinstallation.

Sample Response File for Oracle Fusion Middleware Infrastructure Deinstallation
> This sample shows the information that you can specify in a response file for a silent deinstallation of Oracle Fusion Middleware Infrastructure.

Sample Response File for Oracle WebLogic Server and Coherence Deinstallation
> This sample shows the information that you can specify in a response file for a silent deinstallation of Oracle WebLogic Server and Coherence.

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

This sample shows the information that you can specify in a response file 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~12.2.1.1.0

#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 File for Oracle WebLogic Server and Coherence Deinstallation

This sample shows the information that you can specify in a response file 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~12.2.1.1.0

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

D

Understanding Output From the viewInventory and compareInventory Scripts

When you run the `viewInventory` and `compareInventory` scripts, make sure you review and understand the information provided in the output.

viewInventory Sample Output
> You can choose to send the output for the `viewInventory` script to a terminal window, CSV file, or XML file.

compareInventory Sample Output
> You can choose to send the output for the `compareInventory` script to a terminal window, CSV file, or XML file.

D.1 viewInventory Sample Output

You can choose to send the output for the `viewInventory` script to a terminal window, CSV file, or XML file.

The following topics contain sample output for the `viewInventory` script:

Sample viewInventory Output to Terminal Window
> This example shows the output from the `viewInventory` script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to the terminal window.

Sample viewInventory Output to CSV File
> This example shows the output from the `viewInventory` script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to a CVS file.

Sample viewInventory Output to XML File
> This example shows the output from the `viewInventory` script for a Fusion Middleware Infrastructure Oracle home on a UNIX operating system, output to an XML file.

D.1.1 Sample viewInventory Output to Terminal Window

This example shows 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:

```
/home/Oracle/products/Oracle_Home/oui/bin/viewInventory.sh

Oracle Home: /home/Oracle/products/Oracle_Home
```

```
Distribution: WebLogic Server for FMW 12.2.1.1.0
   FeatureSet: db_xdkNoJaxp 12.2.1.1.0
     Component: oracle.xdk.jrf.jaxp 12.2.1.0.0
   FeatureSet: db_xdb 12.1.0.2.5
     Component: oracle.rdbms.jrf 12.1.0.2.1
   FeatureSet: jrf_dmsJse 12.2.1.1.0
     Component: oracle.jse.dms 12.2.1.1.0
   FeatureSet: jrf_dmsCommon 12.2.1.1.0
     Component: oracle.jrf.dms.common 12.2.1.1.0
   FeatureSet: oam_core 12.2.1.1.0
     Component: oracle.oamclient.core 12.2.1.1.0
   FeatureSet: oam_wlsCore 12.2.1.1.0
     Component: oracle.oamclient.wls 12.2.1.1.0
   FeatureSet: oracledb_xdk 12.2.1.1.0
     Component: oracle.xdk.jrf 12.2.1.0.0
     Component: oracle.xdk.jrf.fmw 12.2.1.0.0
     Component: oracle.xdk.jrf.xmlparserv2 12.2.1.0.0
   FeatureSet: wls_thirdparty_javaxjson 12.2.1.1.0
     Component: oracle.wls.thirdparty.javax.json 12.2.1.1.0
   FeatureSet: toplink 12.2.1.1.0
     Component: oracle.jrf.thirdparty.toplink 12.2.1.1.0
     Component: oracle.jrf.toplink 12.2.1.1.0
   FeatureSet: wls_rcu 12.2.1.1.0
     Component: oracle.wls.rcu 12.2.1.1.0
   FeatureSet: wls_coreServerComp 12.2.1.1.0
     Component: oracle.wls.core.app.server 12.2.1.1.0
   FeatureSet: wls_instOnly 12.2.1.1.0
      Component: oracle.wls.inst.only 12.2.1.1.0
   FeatureSet: wls_sharedWithInst 12.2.1.1.0
     Component: oracle.wls.shared.with.inst 12.2.1.1.0
   FeatureSet: orapki 12.2.1.1.0
     Component: oracle.rsa.crypto 12.2.1.1.0
     Component: oracle.pki 12.2.1.1.0
     Component: oracle.osdt.core 12.2.1.1.0
   FeatureSet: glcm_common 13.9.0.0.0
     Component: oracle.glcm.logging 1.5.0.0.0
     Component: oracle.glcm.comdev 7.7.0.0.0
     Component: oracle.glcm.dependency 1.7.0.0.0
     Component: oracle.glcm.xmldh 3.3.0.0.0
     Component: oracle.glcm.wizard 7.7.0.0.0
   FeatureSet: glcm_encryption 2.6.0.0.0
     Component: oracle.glcm.encryption 2.6.0.0.0
   FeatureSet: jrf_dmsFull 12.2.1.1.0
     Component: oracle.jrf.dms 12.2.1.1.0
   FeatureSet: jrf_presoTools_core 12.2.1.1.0
     Component: oracle.bali.share 12.2.2.0.0
     Component: oracle.bali.jewt 12.2.1.1.0
     Component: oracle.bali.ice 12.2.1.1.0
     Component: oracle.help.share 12.2.1.1.0
     Component: oracle.help.ohj 12.2.1.1.0
   FeatureSet: jrf_presoTools 12.2.1.1.0
     Component: oracle.fmw.common.wizard.resources 12.2.1.0.0
   FeatureSet: wls_securityCore_sharedLib 12.2.1.1.0
     Component: oracle.wls.security.core.sharedlib 12.2.1.1.0
   FeatureSet: wls_mtEEOnly_sharedLib 12.2.1.1.0
     Component: oracle.wls.jrf.tenancy.ee.only.sharedlib 12.2.1.1.0
   FeatureSet: jrf_tenancy_ee_only 12.2.1.1.0
   FeatureSet: toplink_coherence 12.2.1.1.0
     Component: oracle.toplink.coherence 12.2.1.1.0
   FeatureSet: toplink_developer 12.2.1.1.0
     Component: oracle.toplink.developer 12.2.1.1.0
```

```
FeatureSet: mysql_jdbc 5.1.22.0.1
  Component: oracle.mysqlconn 5.1.22.0.0
FeatureSet: dataDirect_jdbc 5.1.0.0.1
  Component: oracle.datadirect 5.1.0.0.0
FeatureSet: wls_thirdPartyJdbc 12.2.1.1.0
FeatureSet: wls_sharedWithInst_sharedLib 12.2.1.1.0
  Component: oracle.wls.shared.with.inst.sharedlib 12.2.1.1.0
FeatureSet: wls_mtCommon_sharedLib 12.2.1.1.0
  Component: oracle.wls.jrf.tenancy.common.sharedlib 12.2.1.1.0
FeatureSet: wls_mtCommon 12.2.1.1.0
  Component: oracle.wls.jrf.tenancy.common 12.2.1.1.0
FeatureSet: jrf_tenancy_wls_common 12.2.1.1.0
FeatureSet: oam_wlsFmw 12.2.1.1.0
FeatureSet: thirdParty_oracleJaxbRITools 2.2.10.0.0
  Component: oracle.jaxb.tools 2.2.10.0.0
FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.10.0.0
  Component: oracle.jaxb.impl 2.2.10.0.0
FeatureSet: thirdParty_oracleJaxbRICore 2.2.10.0.0
  Component: oracle.jaxb.core 2.2.10.0.0
FeatureSet: thirdParty_oracleJaxbRI 2.2.10.0.0
FeatureSet: xmlbeans 2.6.1.0.0
  Component: com.bea.core.xml.xmlbeans 2.6.1.0.0
FeatureSet: wls_securityCore 12.2.1.1.0
  Component: oracle.wls.security.core 12.2.1.1.0
FeatureSet: thirdParty_apacheAnt 1.9.2.1.0
  Component: oracle.apache.ant.mod 1.9.2.1.0
FeatureSet: wls_commonServices 12.2.1.1.0
  Component: oracle.wls.common.cam 12.2.1.1.0
  Component: oracle.wls.common.nodemanager 12.2.1.1.0
  Component: oracle.wls.common.cam.wlst 12.2.1.1.0
  Component: oracle.wls.shared.with.cam 12.2.1.1.0
FeatureSet: owaspComp 12.2.1.1.0
  Component: oracle.owasp.jrf 12.2.1.1.0
FeatureSet: wls_sharedWithOwasp_sharedLib 12.2.1.1.0
  Component: oracle.wls.shared.with.owasp.sharedlib 12.2.1.1.0
FeatureSet: wls_sharedWithOwasp 12.2.1.1.0
  Component: oracle.wls.shared.with.owasp 12.2.1.1.0
FeatureSet: wls_owaspLibrary 12.2.1.1.0
FeatureSet: db_nlsrtl 12.1.0.2.3
  Component: oracle.nlsrtl.jrf 12.1.0.2.1
FeatureSet: db_jdbc 12.1.0.2.5
  Component: oracle.javavm.jrf 12.1.0.2.1
    Patch: ID: 19154304 UID: 19278518
    Patch: ID: 19795066 UID: 19149348
    Patch: ID: 19030178 UID: 19234068
    Patch: ID: 18905788 UID: 18668039
    Patch: ID: 19002423 UID: 18804275
    Patch: ID: 19632480 UID: 19278519
FeatureSet: jrf_fcp 12.2.1.1.0
  Component: oracle.jrf.adfrt.help 12.2.1.1.0
  Component: oracle.jrf.adfrt.batik 12.2.1.1.0
  Component: oracle.jrf.adfrt.javatools 12.2.1.1.0
FeatureSet: jrf_adfrt 12.2.1.1.0
  Component: oracle.jrf.adfrt 12.2.1.1.0
FeatureSet: thirdParty_jsch 0.1.53.0.0
  Component: oracle.jcraft.jsch 0.1.53.0.0
FeatureSet: glcm_opatch_common_api 13.9.0.0.0
  Component: oracle.glcm.opatch.common.api 13.9.0.0.0
FeatureSet: nginst_core 13.9.0.0.0
  Component: oracle.nginst.common 13.9.0.0.0
  Component: oracle.nginst.core 13.9.0.0.0
```

```
                     Component: oracle.nginst.thirdparty 13.9.0.0.0
                  FeatureSet: coherence_discovery 12.2.1.1.0
                     Component: oracle.coherence.discovery 12.2.1.1.0
                  FeatureSet: coherence 12.2.1.1.0
                     Component: oracle.coherence 12.2.1.1.0
                  FeatureSet: jrf_tenancy_common 12.2.1.1.0
                     Component: oracle.jrf.tenancy 12.2.1.1.0
                  FeatureSet: jrf_tenancy_se 12.2.1.1.0
                     Component: oracle.jrf.tenancy.se 12.2.1.1.0
                  FeatureSet: opatch 13.9.0.0.0
                     Component: oracle.swd.opatch 13.9.0.0.0
                  FeatureSet: thirdParty_orgCodehausWoodstox 4.2.0.0.0
                     Component: org.codehaus.woodstox 4.2.0.0.0
                  FeatureSet: orawsdl 12.2.1.1.0
                     Component: oracle.webservices.orawsdl 12.2.1.1.0
                  FeatureSet: httpclient 12.2.1.1.0
                     Component: oracle.http_client 12.2.1.1.0
                  FeatureSet: ws_base 12.2.1.1.0
                     Component: oracle.webservices.base 12.2.1.1.0
                  FeatureSet: thirdParty_bouncyCastle 12.2.1.1.0
                     Component: oracle.org.bouncycastle 12.2.1.1.0
                  FeatureSet: cieCfg_common 12.2.1.1.0
                     Component: oracle.fmwconfig.common.shared 12.2.1.1.0
                  FeatureSet: fmw_install_framework 12.2.1.1.0
                     Component: oracle.as.install.ui.framework 12.2.1.1.0
                     Component: oracle.as.install.common.help 12.2.1.0.0
                  FeatureSet: jrf_tenancy_ee 12.2.1.1.0
                     Component: oracle.jrf.tenancy.ee 12.2.1.1.0
                  FeatureSet: wls_ws 12.2.1.1.0
                     Component: oracle.webservices.wls 12.2.1.1.0
                  FeatureSet: cieCfg_config_common 12.2.1.1.0
                     Component: oracle.fmwconfig.common.config.shared 12.2.1.1.0
                  FeatureSet: fmw_install_jrf 12.2.1.1.0
                     Component: oracle.as.install.jrf.prerequisite 12.2.1.1.0
                     Component: oracle.as.install.wls 12.2.1.1.0
                  FeatureSet: apache_commonsCli 1.2.0.0.1
                     Component: oracle.apache.commons.cli 1.2.0.0.1
                  FeatureSet: apache_commonsCompress 1.4.0.0.1
                     Component: oracle.apache.commons.compress 1.4.0.0.1
                  FeatureSet: glcm_oplan_core 13.9.0.0.0
                     Component: oracle.glcm.osys.core 13.9.0.0.0
                     Component: oracle.glcm.oplan.core 13.9.0.0.0
                  FeatureSet: jse_webservices 12.2.1.1.0
                     Component: oracle.wsm.common 12.2.1.1.0
                  FeatureSet: jrf_webservices 12.2.1.1.0
                     Component: oracle.wsm.agent.fmw 12.2.1.1.0
                     Component: oracle.webservices.jrf 12.2.1.1.0
                     Component: oracle.webservices.jaxrs.jrf 12.2.1.1.0
                  FeatureSet: cieCfg_wls_shared 12.2.1.1.0
                     Component: oracle.fmwconfig.common.wls.help 12.2.1.1.0
                     Component: oracle.fmwconfig.common.wls.shared 12.2.1.1.0
                     Component: oracle.fmwconfig.wls.shared 12.2.1.1.0
                     Component: oracle.fmw.upgrade.fmwconfig 12.2.1.1.0
                  FeatureSet: wls_sharedClientComps 12.2.1.1.0
                     Component: oracle.wls.libraries 12.2.1.1.0
                  FeatureSet: wls_portable_sharedWithCoh 12.2.1.1.0
                     Component: oracle.wls.shared.with.coh.standalone 12.2.1.1.0
                  FeatureSet: wls_portable 12.2.1.1.0
                     Component: oracle.wls.wlsportable.mod 12.2.1.1.0
                  FeatureSet: cieCfg_wls 12.2.1.1.0
                     Component: oracle.fmwconfig.wls 12.2.1.1.0
```

```
              Component: oracle.fmwconfig.common.wls 12.2.1.1.0
FeatureSet: fasterxml_Jackson 2.4.3.0.0
  Component: oracle.fasterxml.jackson 2.4.3.0.0
FeatureSet: fmw_platformEnvSpec 12.2.1.1.0
  Component: oracle.fmwplatform.envspec 12.2.1.1.0
FeatureSet: wls_sharedLibrariesWithoutPOM 12.2.1.1.0
FeatureSet: glcm_opatchauto_core 13.9.0.0.0
  Component: oracle.glcm.opatchauto.core 13.9.0.0.0
FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.2
  Component: oracle.apache.commons.lang.mod 2.6.0.0.2
FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.2
  Component: oracle.apache.commons.collections.mod 3.2.0.0.2
FeatureSet: thirdParty_oracleJersey 1.18.0.0.0
  Component: oracle.jersey 12.1.3.0.0
FeatureSet: jrf_core 12.2.1.1.0
  Component: oracle.jrf.j2ee 12.2.1.1.0
  Component: oracle.jrf.infra.common 12.2.1.1.0
  Component: oracle.jrf.thirdparty.jee 12.2.1.1.0
  Component: oracle.jrf.iau 12.2.1.1.0
  Component: oracle.opss.core 12.2.1.1.0
  Component: oracle.jrf.thirdparty.toplink 12.2.1.1.0
  Component: oracle.jrf.toplink 12.2.1.1.0
  Component: oracle.classloader 12.2.1.1.0
  Component: oracle.jmx 12.2.1.1.0
  Component: oracle.jsp 12.2.1.1.0
  Component: oracle.legacy_oc4j_xml_schemas 12.2.1.1.0
  Component: oracle.nlsgdk 12.2.1.0.0
  Component: oracle.nlspdk 12.2.1.0.0
  Component: oracle.xdk.jrf.xmlparserv2 12.2.1.0.0
FeatureSet: codehaus_groovy 2.4.0.0.0
  Component: oracle.codehaus.groovy 2.4.0.0.0
FeatureSet: fmw_platformCommon 12.2.1.1.0
  Component: oracle.fmwplatform.common 12.2.1.1.0
FeatureSet: db_ras 12.2.1.1.0
  Component: oracle.rdbms.ras 12.1.0.2.0
FeatureSet: fmw_platformOcp 12.2.1.1.0
  Component: oracle.fmwplatform.ocp 12.2.1.1.0
FeatureSet: fmw_platformProvisioningApi 12.2.1.1.0
  Component: oracle.fmwplatform.fmwprov 12.2.1.1.0
FeatureSet: jrf_wlsCore 12.2.1.1.0
  Component: oracle.opss.wls 12.2.1.1.0
FeatureSet: fmw_platformGeneric 12.2.1.1.0
FeatureSet: glcm_schemaVersionRegistry 12.2.1.1.0
FeatureSet: fmw_Upgrade 12.2.1.1.0
  Component: oracle.fmw.upgrade 12.2.1.1.0
  Component: oracle.fmw.upgrade.help 12.2.1.1.0
FeatureSet: wls_sharedLibraries 12.2.1.1.0
FeatureSet: glcm_opatchauto_fmw 13.9.0.0.0
  Component: oracle.glcm.opatchauto.fmw 13.9.0.0.0
FeatureSet: rcu 12.2.1.1.0
  Component: oracle.sysman.rcu 12.2.1.1.0
  Component: oracle.rcu.doc 12.2.1.0.0
  Component: oracle.common.rcu.config 12.2.1.1.0
  Component: oracle.wls.evaluation.database 12.2.1.1.0
FeatureSet: dmu 12.2.1.1.0
  Component: oracle.dmu 12.2.1.1.0
FeatureSet: ons 12.2.1.1.0
  Component: oracle.ons.generic 12.2.1.1.0
FeatureSet: wls_tier1nativeLib 12.2.1.1.0
  Component: oracle.wls.core.app.server.tier1nativelib 12.2.1.1.0
FeatureSet: wls_devServer 12.2.1.1.0
```

```
            Component: oracle.wls.workshop.code.completion.support 12.2.1.1.0
        FeatureSet: mds_rcu 12.2.1.1.0
          Component: oracle.rcu.mds 12.2.1.1.0
        FeatureSet: ucsmessaging_rcu 12.2.1.1.0
          Component: oracle.rcu.ucs.messaging 12.2.1.1.0
        FeatureSet: thirdParty_Jython 2.2.0.0.0
          Component: oracle.jython 12.1.3.0.0
        FeatureSet: thirdParty_Groovy 12.2.1.1.0
          Component: oracle.jrf.adfrt.groovy 12.2.1.1.0
        FeatureSet: owsm_fmcPlugin 12.2.1.1.0
          Component: oracle.wsm.console.core 12.2.1.1.0
        FeatureSet: jrf_commonFmw 12.2.1.1.0
          Component: oracle.jrf.infra.fmw.common 12.2.1.1.0
          Component: oracle.jrf.applcore 12.2.1.1.0
          Component: oracle.rcu.iau 12.2.1.1.0
          Component: oracle.rcu.opss 12.2.1.1.0
          Component: oracle.wsm.pmlib 12.2.1.1.0
          Component: oracle.wsm.jrf 12.2.1.1.0
          Component: oracle.opss.jrf 12.2.1.1.0
          Component: oracle.osdt.jrf 12.2.1.1.0
          Component: oracle.sslconfig.jrf 12.2.1.1.0
          Component: oracle.pwdgen.jrf 12.2.1.1.0
          Component: oracle.ldap.jrf 12.2.1.1.0
          Component: oracle.jakarta 12.2.1.0.0
          Component: oracle.jgroups 12.2.1.0.0
          Component: oracle.jsch 12.2.1.0.0
          Component: oracle.as.common.clone 12.2.1.1.0
          Component: oracle.sdp.messaging 12.2.1.1.0
          Component: oracle.rcu.doc 12.2.1.0.0
          Component: oracle.help.ohw.rcf 12.2.1.1.0
          Component: oracle.help.ohw.share 12.2.1.1.0
          Component: oracle.help.ohw.uix 12.2.1.1.0
          Component: oracle.fmw.upgrade 12.2.1.1.0
          Component: oracle.webcenter.wccore 12.2.1.1.0
          Component: oracle.bali.cabo 12.2.1.1.0
          Component: oracle.xdk.jrf.fmw 12.2.1.0.0
          Component: oracle.xdk.jrf 12.2.1.0.0
          Component: oracle.bali.ewt 12.2.2.0.0
        FeatureSet: wls_adminConsoleEnglish 12.2.1.1.0
          Component: oracle.wls.admin.console.en 12.2.1.1.0
        FeatureSet: jersey_client 12.2.1.1.0
        FeatureSet: wls_adminConsoleMultiLang 12.2.1.1.0
          Component: oracle.wls.admin.console.nonen 12.2.1.1.0
        FeatureSet: wls_nativeLib 12.2.1.1.0
        FeatureSet: wls_server 12.2.1.1.0
        FeatureSet: JavaDb 12.2.1.1.0
          Component: oracle.wls.evaluation.database 12.2.1.1.0
        FeatureSet: jrf_ws_client 12.2.1.1.0
        FeatureSet: wls_pubsub 12.2.1.1.0
          Component: oracle.wls.http.pubsub.server 12.2.1.1.0
        FeatureSet: wls_sca 12.2.1.1.0
          Component: oracle.wls.weblogic.sca 12.2.1.1.0
        FeatureSet: jrf_wlsFmw 12.2.1.1.0
          Component: oracle.jrf.infra.fmw.wls 12.2.1.1.0
          Component: oracle.wsm.agent.wls 12.2.1.1.0
        FeatureSet: em_fmc 12.2.1.1.0
          Component: oracle.sysman.fmw.core 12.2.1.1.0
          Component: oracle.sysman.fmw.as 12.2.1.1.0
          Component: oracle.sysman.fmw.agent 12.2.1.1.0
        FeatureSet: wls_ws_client 12.2.1.1.0
        FeatureSet: wls4fmw 12.2.1.1.0
```

```
                    FeatureSet: thirdParty_apacheMaven 3.3.9.0.0
                      Component: oracle.thirdparty.maven 3.2.5.0.0
                    FeatureSet: jrf_maven 12.2.1.1.0
                      Component: oracle.jrf.maven.plugins.sync 12.2.1.1.0
                    FeatureSet: adr_platforms 12.1.2.0.0
                      Component: oracle.adr 12.1.2.0.0
                    FeatureSet: emll_ccr 12.1.2.0.0
                      Component: oracle.sysman.ccr 12.1.2.0.0
                    FeatureSet: properties_loader 12.2.1.1.0
                      Component: oracle.as.customqna.jdkqna 12.2.1.1.0
                    FeatureSet: rda_core 12.2.1.1.0
                      Component: oracle.rda 8.9.15.09.08
                    FeatureSet: t2p 12.2.1.1.0
                      Component: oracle.as.common.clone 12.2.1.1.0
                    FeatureSet: wls_client 12.2.1.1.0
                      Component: oracle.wls.clients 12.2.1.1.0
```

D.1.2 Sample viewInventory Output to CSV File

This example shows 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:

```
/home/Oracle/products/Oracle_Home/viewInventory.sh -output_file /home/userhome/
inventory.csv
```

Below is the sample output:

```
Oracle Home,/home/Oracle/products/Oracle_Home
Distribution,WebLogic Server for FMW,12.2.1.1.0
FeatureSet,db_xdkNoJaxp,12.2.1.1.0
Component,oracle.xdk.jrf.jaxp,12.2.1.0.0
FeatureSet,db_xdb,12.1.0.2.5
Component,oracle.rdbms.jrf,12.1.0.2.1
FeatureSet,jrf_dmsJse,12.2.1.1.0
Component,oracle.jse.dms,12.2.1.1.0
FeatureSet,jrf_dmsCommon,12.2.1.1.0
Component,oracle.jrf.dms.common,12.2.1.1.0
FeatureSet,oam_core,12.2.1.1.0
Component,oracle.oamclient.core,12.2.1.1.0
FeatureSet,oam_wlsCore,12.2.1.1.0
Component,oracle.oamclient.wls,12.2.1.1.0
FeatureSet,oracledb_xdk,12.2.1.1.0
Component,oracle.xdk.jrf,12.2.1.0.0
Component,oracle.xdk.jrf.fmw,12.2.1.0.0
Component,oracle.xdk.jrf.xmlparserv2,12.2.1.0.0
FeatureSet,wls_thirdparty_javaxjson,12.2.1.1.0
Component,oracle.wls.thirdparty.javax.json,12.2.1.1.0
FeatureSet,toplink,12.2.1.1.0
Component,oracle.jrf.thirdparty.toplink,12.2.1.1.0
Component,oracle.jrf.toplink,12.2.1.1.0
FeatureSet,wls_rcu,12.2.1.1.0
Component,oracle.wls.rcu,12.2.1.1.0
FeatureSet,wls_coreServerComp,12.2.1.1.0
Component,oracle.wls.core.app.server,12.2.1.1.0
FeatureSet,wls_instOnly,12.2.1.1.0
Component,oracle.wls.inst.only,12.2.1.1.0
FeatureSet,wls_sharedWithInst,12.2.1.1.0
Component,oracle.wls.shared.with.inst,12.2.1.1.0
FeatureSet,orapki,12.2.1.1.0
```

```
Component,oracle.rsa.crypto,12.2.1.1.0
Component,oracle.pki,12.2.1.1.0
Component,oracle.osdt.core,12.2.1.1.0
FeatureSet,glcm_common,13.9.0.0.0
Component,oracle.glcm.logging,1.5.0.0.0
Component,oracle.glcm.comdev,7.7.0.0.0
Component,oracle.glcm.dependency,1.7.0.0.0
Component,oracle.glcm.xmldh,3.3.0.0.0
Component,oracle.glcm.wizard,7.7.0.0.0
FeatureSet,glcm_encryption,2.6.0.0.0
Component,oracle.glcm.encryption,2.6.0.0.0
FeatureSet,jrf_dmsFull,12.2.1.1.0
Component,oracle.jrf.dms,12.2.1.1.0
FeatureSet,jrf_presoTools_core,12.2.1.1.0
Component,oracle.bali.share,12.2.2.0.0
Component,oracle.bali.jewt,12.2.1.1.0
Component,oracle.bali.ice,12.2.1.1.0
Component,oracle.help.share,12.2.1.1.0
Component,oracle.help.ohj,12.2.1.1.0
FeatureSet,jrf_presoTools,12.2.1.1.0
Component,oracle.fmw.common.wizard.resources,12.2.1.0.0
FeatureSet,wls_securityCore_sharedLib,12.2.1.1.0
Component,oracle.wls.security.core.sharedlib,12.2.1.1.0
FeatureSet,wls_mtEEOnly_sharedLib,12.2.1.1.0
Component,oracle.wls.jrf.tenancy.ee.only.sharedlib,12.2.1.1.0
FeatureSet,jrf_tenancy_ee_only,12.2.1.1.0
FeatureSet,toplink_coherence,12.2.1.1.0
Component,oracle.toplink.coherence,12.2.1.1.0
FeatureSet,toplink_developer,12.2.1.1.0
Component,oracle.toplink.developer,12.2.1.1.0
FeatureSet,mysql_jdbc,5.1.22.0.1
Component,oracle.mysqlconn,5.1.22.0.0
FeatureSet,dataDirect_jdbc,5.1.0.0.1
Component,oracle.datadirect,5.1.0.0.0
FeatureSet,wls_thirdPartyJdbc,12.2.1.1.0
FeatureSet,wls_sharedWithInst_sharedLib,12.2.1.1.0
Component,oracle.wls.shared.with.inst.sharedlib,12.2.1.1.0
FeatureSet,wls_mtCommon_sharedLib,12.2.1.1.0
Component,oracle.wls.jrf.tenancy.common.sharedlib,12.2.1.1.0
FeatureSet,wls_mtCommon,12.2.1.1.0
Component,oracle.wls.jrf.tenancy.common,12.2.1.1.0
FeatureSet,jrf_tenancy_wls_common,12.2.1.1.0
FeatureSet,oam_wlsFmw,12.2.1.1.0
FeatureSet,thirdParty_oracleJaxbRITools,2.2.10.0.0
Component,oracle.jaxb.tools,2.2.10.0.0
FeatureSet,thirdParty_oracleJaxbRIRuntime,2.2.10.0.0
Component,oracle.jaxb.impl,2.2.10.0.0
FeatureSet,thirdParty_oracleJaxbRICore,2.2.10.0.0
Component,oracle.jaxb.core,2.2.10.0.0
FeatureSet,thirdParty_oracleJaxbRI,2.2.10.0.0
FeatureSet,xmlbeans,2.6.1.0.0
Component,com.bea.core.xml.xmlbeans,2.6.1.0.0
FeatureSet,wls_securityCore,12.2.1.1.0
Component,oracle.wls.security.core,12.2.1.1.0
FeatureSet,thirdParty_apacheAnt,1.9.2.1.0
Component,oracle.apache.ant.mod,1.9.2.1.0
FeatureSet,wls_commonServices,12.2.1.1.0
Component,oracle.wls.common.cam,12.2.1.1.0
Component,oracle.wls.common.nodemanager,12.2.1.1.0
Component,oracle.wls.common.cam.wlst,12.2.1.1.0
Component,oracle.wls.shared.with.cam,12.2.1.1.0
```

```
FeatureSet,owaspComp,12.2.1.1.0
Component,oracle.owasp.jrf,12.2.1.1.0
FeatureSet,wls_sharedWithOwasp_sharedLib,12.2.1.1.0
Component,oracle.wls.shared.with.owasp.sharedlib,12.2.1.1.0
FeatureSet,wls_sharedWithOwasp,12.2.1.1.0
Component,oracle.wls.shared.with.owasp,12.2.1.1.0
FeatureSet,wls_owaspLibrary,12.2.1.1.0
FeatureSet,db_nlsrtl,12.1.0.2.3
Component,oracle.nlsrtl.jrf,12.1.0.2.1
FeatureSet,db_jdbc,12.1.0.2.5
Component,oracle.javavm.jrf,12.1.0.2.1
Patch,ID: 19154304,UID: 19278518
Patch,ID: 19795066,UID: 19149348
Patch,ID: 19030178,UID: 19234068
Patch,ID: 18905788,UID: 18668039
Patch,ID: 19002423,UID: 18804275
Patch,ID: 19632480,UID: 19278519
FeatureSet,jrf_fcp,12.2.1.1.0
Component,oracle.jrf.adfrt.help,12.2.1.1.0
Component,oracle.jrf.adfrt.batik,12.2.1.1.0
Component,oracle.jrf.adfrt.javatools,12.2.1.1.0
FeatureSet,jrf_adfrt,12.2.1.1.0
Component,oracle.jrf.adfrt,12.2.1.1.0
FeatureSet,thirdParty_jsch,0.1.53.0.0
Component,oracle.jcraft.jsch,0.1.53.0.0
FeatureSet,glcm_opatch_common_api,13.9.0.0.0
Component,oracle.glcm.opatch.common.api,13.9.0.0.0
FeatureSet,nginst_core,13.9.0.0.0
Component,oracle.nginst.common,13.9.0.0.0
Component,oracle.nginst.core,13.9.0.0.0
Component,oracle.nginst.thirdparty,13.9.0.0.0
FeatureSet,coherence_discovery,12.2.1.1.0
Component,oracle.coherence.discovery,12.2.1.1.0
FeatureSet,coherence,12.2.1.1.0
Component,oracle.coherence,12.2.1.1.0
FeatureSet,jrf_tenancy_common,12.2.1.1.0
Component,oracle.jrf.tenancy,12.2.1.1.0
FeatureSet,jrf_tenancy_se,12.2.1.1.0
Component,oracle.jrf.tenancy.se,12.2.1.1.0
FeatureSet,opatch,13.9.0.0.0
Component,oracle.swd.opatch,13.9.0.0.0
FeatureSet,thirdParty_orgCodehausWoodstox,4.2.0.0.0
Component,org.codehaus.woodstox,4.2.0.0.0
FeatureSet,orawsdl,12.2.1.1.0
Component,oracle.webservices.orawsdl,12.2.1.1.0
FeatureSet,httpclient,12.2.1.1.0
Component,oracle.http_client,12.2.1.1.0
FeatureSet,ws_base,12.2.1.1.0
Component,oracle.webservices.base,12.2.1.1.0
FeatureSet,thirdParty_bouncyCastle,12.2.1.1.0
Component,oracle.org.bouncycastle,12.2.1.1.0
FeatureSet,cieCfg_common,12.2.1.1.0
Component,oracle.fmwconfig.common.shared,12.2.1.1.0
FeatureSet,fmw_install_framework,12.2.1.1.0
Component,oracle.as.install.ui.framework,12.2.1.1.0
Component,oracle.as.install.common.help,12.2.1.0.0
FeatureSet,jrf_tenancy_ee,12.2.1.1.0
Component,oracle.jrf.tenancy.ee,12.2.1.1.0
FeatureSet,wls_ws,12.2.1.1.0
Component,oracle.webservices.wls,12.2.1.1.0
FeatureSet,cieCfg_config_common,12.2.1.1.0
```

```
Component,oracle.fmwconfig.common.config.shared,12.2.1.1.0
FeatureSet,fmw_install_jrf,12.2.1.1.0
Component,oracle.as.install.jrf.prerequisite,12.2.1.1.0
Component,oracle.as.install.wls,12.2.1.1.0
FeatureSet,apache_commonsCli,1.2.0.0.1
Component,oracle.apache.commons.cli,1.2.0.0.1
FeatureSet,apache_commonsCompress,1.4.0.0.1
Component,oracle.apache.commons.compress,1.4.0.0.1
FeatureSet,glcm_oplan_core,13.9.0.0.0
Component,oracle.glcm.osys.core,13.9.0.0.0
Component,oracle.glcm.oplan.core,13.9.0.0.0
FeatureSet,jse_webservices,12.2.1.1.0
Component,oracle.wsm.common,12.2.1.1.0
FeatureSet,jrf_webservices,12.2.1.1.0
Component,oracle.wsm.agent.fmw,12.2.1.1.0
Component,oracle.webservices.jrf,12.2.1.1.0
Component,oracle.webservices.jaxrs.jrf,12.2.1.1.0
FeatureSet,cieCfg_wls_shared,12.2.1.1.0
Component,oracle.fmwconfig.common.wls.help,12.2.1.1.0
Component,oracle.fmwconfig.common.wls.shared,12.2.1.1.0
Component,oracle.fmwconfig.wls.shared,12.2.1.1.0
Component,oracle.fmw.upgrade.fmwconfig,12.2.1.1.0
FeatureSet,wls_sharedClientComps,12.2.1.1.0
Component,oracle.wls.libraries,12.2.1.1.0
FeatureSet,wls_portable_sharedWithCoh,12.2.1.1.0
Component,oracle.wls.shared.with.coh.standalone,12.2.1.1.0
FeatureSet,wls_portable,12.2.1.1.0
Component,oracle.wls.wlsportable.mod,12.2.1.1.0
FeatureSet,cieCfg_wls,12.2.1.1.0
Component,oracle.fmwconfig.wls,12.2.1.1.0
Component,oracle.fmwconfig.common.wls,12.2.1.1.0
FeatureSet,fasterxml_Jackson,2.4.3.0.0
Component,oracle.fasterxml.jackson,2.4.3.0.0
FeatureSet,fmw_platformEnvSpec,12.2.1.1.0
Component,oracle.fmwplatform.envspec,12.2.1.1.0
FeatureSet,wls_sharedLibrariesWithoutPOM,12.2.1.1.0
FeatureSet,glcm_opatchauto_core,13.9.0.0.0
Component,oracle.glcm.opatchauto.core,13.9.0.0.0
FeatureSet,thirdParty_apacheCommonsLang,2.6.0.0.2
Component,oracle.apache.commons.lang.mod,2.6.0.0.2
FeatureSet,thirdParty_apacheCommonsCollections,3.2.0.0.2
Component,oracle.apache.commons.collections.mod,3.2.0.0.2
FeatureSet,thirdParty_oracleJersey,1.18.0.0.0
Component,oracle.jersey,12.1.3.0.0
FeatureSet,jrf_core,12.2.1.1.0
Component,oracle.jrf.j2ee,12.2.1.1.0
Component,oracle.jrf.infra.common,12.2.1.1.0
Component,oracle.jrf.thirdparty.jee,12.2.1.1.0
Component,oracle.jrf.iau,12.2.1.1.0
Component,oracle.opss.core,12.2.1.1.0
Component,oracle.jrf.thirdparty.toplink,12.2.1.1.0
Component,oracle.jrf.toplink,12.2.1.1.0
Component,oracle.classloader,12.2.1.1.0
Component,oracle.jmx,12.2.1.1.0
Component,oracle.jsp,12.2.1.1.0
Component,oracle.legacy_oc4j_xml_schemas,12.2.1.1.0
Component,oracle.nlsgdk,12.2.1.0.0
Component,oracle.nlspdk,12.2.1.0.0
Component,oracle.xdk.jrf.xmlparserv2,12.2.1.0.0
FeatureSet,codehaus_groovy,2.4.0.0.0
Component,oracle.codehaus.groovy,2.4.0.0.0
```

```
FeatureSet,fmw_platformCommon,12.2.1.1.0
Component,oracle.fmwplatform.common,12.2.1.1.0
FeatureSet,db_ras,12.2.1.1.0
Component,oracle.rdbms.ras,12.1.0.2.0
FeatureSet,fmw_platformOcp,12.2.1.1.0
Component,oracle.fmwplatform.ocp,12.2.1.1.0
FeatureSet,fmw_platformProvisioningApi,12.2.1.1.0
Component,oracle.fmwplatform.fmwprov,12.2.1.1.0
FeatureSet,jrf_wlsCore,12.2.1.1.0
Component,oracle.opss.wls,12.2.1.1.0
FeatureSet,fmw_platformGeneric,12.2.1.1.0
FeatureSet,glcm_schemaVersionRegistry,12.2.1.1.0
FeatureSet,fmw_Upgrade,12.2.1.1.0
Component,oracle.fmw.upgrade,12.2.1.1.0
Component,oracle.fmw.upgrade.help,12.2.1.1.0
FeatureSet,wls_sharedLibraries,12.2.1.1.0
FeatureSet,glcm_opatchauto_fmw,13.9.0.0.0
Component,oracle.glcm.opatchauto.fmw,13.9.0.0.0
FeatureSet,rcu,12.2.1.1.0
Component,oracle.sysman.rcu,12.2.1.1.0
Component,oracle.rcu.doc,12.2.1.0.0
Component,oracle.common.rcu.config,12.2.1.1.0
Component,oracle.wls.evaluation.database,12.2.1.1.0
FeatureSet,dmu,12.2.1.1.0
Component,oracle.dmu,12.2.1.1.0
FeatureSet,ons,12.2.1.1.0
Component,oracle.ons.generic,12.2.1.1.0
FeatureSet,wls_tier1nativeLib,12.2.1.1.0
Component,oracle.wls.core.app.server.tier1nativelib,12.2.1.1.0
FeatureSet,wls_devServer,12.2.1.1.0
Component,oracle.wls.workshop.code.completion.support,12.2.1.1.0
FeatureSet,mds_rcu,12.2.1.1.0
Component,oracle.rcu.mds,12.2.1.1.0
FeatureSet,ucsmessaging_rcu,12.2.1.1.0
Component,oracle.rcu.ucs.messaging,12.2.1.1.0
FeatureSet,thirdParty_Jython,2.2.0.0.0
Component,oracle.jython,12.1.3.0.0
FeatureSet,thirdParty_Groovy,12.2.1.1.0
Component,oracle.jrf.adfrt.groovy,12.2.1.1.0
FeatureSet,owsm_fmcPlugin,12.2.1.1.0
Component,oracle.wsm.console.core,12.2.1.1.0
FeatureSet,jrf_commonFmw,12.2.1.1.0
Component,oracle.jrf.infra.fmw.common,12.2.1.1.0
Component,oracle.jrf.applcore,12.2.1.1.0
Component,oracle.rcu.iau,12.2.1.1.0
Component,oracle.rcu.opss,12.2.1.1.0
Component,oracle.wsm.pmlib,12.2.1.1.0
Component,oracle.wsm.jrf,12.2.1.1.0
Component,oracle.opss.jrf,12.2.1.1.0
Component,oracle.osdt.jrf,12.2.1.1.0
Component,oracle.sslconfig.jrf,12.2.1.1.0
Component,oracle.pwdgen.jrf,12.2.1.1.0
Component,oracle.ldap.jrf,12.2.1.1.0
Component,oracle.jakarta,12.2.1.0.0
Component,oracle.jgroups,12.2.1.0.0
Component,oracle.jsch,12.2.1.0.0
Component,oracle.as.common.clone,12.2.1.1.0
Component,oracle.sdp.messaging,12.2.1.1.0
Component,oracle.rcu.doc,12.2.1.0.0
Component,oracle.help.ohw.rcf,12.2.1.1.0
Component,oracle.help.ohw.share,12.2.1.1.0
```

```
Component,oracle.help.ohw.uix,12.2.1.1.0
Component,oracle.fmw.upgrade,12.2.1.1.0
Component,oracle.webcenter.wccore,12.2.1.1.0
Component,oracle.bali.cabo,12.2.1.1.0
Component,oracle.xdk.jrf.fmw,12.2.1.0.0
Component,oracle.xdk.jrf,12.2.1.0.0
Component,oracle.bali.ewt,12.2.2.0.0
FeatureSet,wls_adminConsoleEnglish,12.2.1.1.0
Component,oracle.wls.admin.console.en,12.2.1.1.0
FeatureSet,jersey_client,12.2.1.1.0
FeatureSet,wls_adminConsoleMultiLang,12.2.1.1.0
Component,oracle.wls.admin.console.nonen,12.2.1.1.0
FeatureSet,wls_nativeLib,12.2.1.1.0
FeatureSet,wls_server,12.2.1.1.0
FeatureSet,JavaDb,12.2.1.1.0
Component,oracle.wls.evaluation.database,12.2.1.1.0
FeatureSet,jrf_ws_client,12.2.1.1.0
FeatureSet,wls_pubsub,12.2.1.1.0
Component,oracle.wls.http.pubsub.server,12.2.1.1.0
FeatureSet,wls_sca,12.2.1.1.0
Component,oracle.wls.weblogic.sca,12.2.1.1.0
FeatureSet,jrf_wlsFmw,12.2.1.1.0
Component,oracle.jrf.infra.fmw.wls,12.2.1.1.0
Component,oracle.wsm.agent.wls,12.2.1.1.0
FeatureSet,em_fmc,12.2.1.1.0
Component,oracle.sysman.fmw.core,12.2.1.1.0
Component,oracle.sysman.fmw.as,12.2.1.1.0
Component,oracle.sysman.fmw.agent,12.2.1.1.0
FeatureSet,wls_ws_client,12.2.1.1.0
FeatureSet,wls4fmw,12.2.1.1.0
FeatureSet,thirdParty_apacheMaven,3.3.9.0.0
Component,oracle.thirdparty.maven,3.2.5.0.0
FeatureSet,jrf_maven,12.2.1.1.0
Component,oracle.jrf.maven.plugins.sync,12.2.1.1.0
FeatureSet,adr_platforms,12.1.2.0.0
Component,oracle.adr,12.1.2.0.0
FeatureSet,emll_ccr,12.1.2.0.0
Component,oracle.sysman.ccr,12.1.2.0.0
FeatureSet,properties_loader,12.2.1.1.0
Component,oracle.as.customqna.jdkqna,12.2.1.1.0
FeatureSet,rda_core,12.2.1.1.0
Component,oracle.rda,8.9.15.09.08
FeatureSet,t2p,12.2.1.1.0
Component,oracle.as.common.clone,12.2.1.1.0
FeatureSet,wls_client,12.2.1.1.0
Component,oracle.wls.clients,12.2.1.1.0
```

D.1.3 Sample viewInventory Output to XML File

This example shows 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:

```
/home/Oracle/products/Oracle_Home/viewInventory.sh -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="12.2.1.1.0">
      <feature-sets>
        <feature-set name="jrf_dmsJse" version="12.2.1.1.0">
          <components>
            <component name="oracle.jse.dms" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="jrf_dmsCommon" version="12.2.1.1.0">
          <components>
            <component name="oracle.jrf.dms.common" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="jrf_presoTools" version="12.2.1.1.0">
          <components>
            <component name="oracle.help.ohj" version="12.2.1.1.0"/>
            <component name="oracle.help.share" version="12.2.1.1.0"/>
            <component name="oracle.bali.ice" version="6.1.3.2.0"/>
            <component name="oracle.bali.jewt" version="12.2.1.1.0"/>
            <component name="oracle.bali.share" version="12.2.1.1.0"/>
            <component name="oracle.fmw.common.wizard.resources"
version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="oam_core" version="12.2.1.1.0">
          <components>
            <component name="oracle.oamclient.core" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="oam_wlsCore" version="12.2.1.1.0">
          <components>
            <component name="oracle.oamclient.wls" version="12.2.1.1.0"/>
          </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="13.9.0.0.0">
          <components>
            <component name="oracle.swd.opatch" version="13.9.0.0.0"/>
          </components>
        </feature-set>
        <feature-set name="toplink" version="12.2.1.1.0">
          <components>
            <component name="oracle.jrf.toplink" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="toplink_coherence" version="12.2.1.1.0">
          <components>
            <component name="oracle.toplink.coherence" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="toplink_developer" version="12.2.1.0.00">
          <components>
            <component name="oracle.toplink.developer" version="12.2.1.1.0"/>
          </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="12.2.1.1.0">
              <components>
                <component name="oracle.wls.common.cam" version="12.2.1.1.0"/>
                <component name="oracle.wls.common.nodemanager" version="12.2.1.1.0"/>
                <component name="oracle.wls.common.cam.wlst" version="12.2.1.1.0"/>
                <component name="oracle.wls.shared.with.cam" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="coherence" version="12.2.1.1.0">
              <components>
                <component name="oracle.coherence" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="jrf_dmsFull" version="12.2.1.1.0">
              <components>
                <component name="oracle.jrf.dms" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="oam_wlsFmw" version="12.2.1.1.0"/>
            <feature-set name="orapki" version="12.2.1.1.0">
              <components>
                <component name="oracle.osdt.core" version="12.2.1.1.0"/>
                <component name="oracle.pki" version="12.2.1.1.0"/>
                <component name="oracle.rsa.crypto" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="cieCfg_common" version="12.2.1.1.0">
              <components>
                <component name="oracle.fmwconfig.common.shared" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="fmw_install_framework" version="12.2.1.1.0">
              <components>
                <component name="oracle.as.install.ui.framework" version="12.2.1.1.0"/>
                <component name="oracle.as.install.common.help" version="12.2.1.1.0"/>
              </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_oracleJaxbRICore" version="2.2.7.0.0"/>
            <feature-set name="thirdParty_oracleJaxbRI" version="2.2.7.0.0"/>
            <feature-set name="fmw_install_wls" version="12.2.1.1.0">
              <components>
                <component name="oracle.as.install.wls" version="12.2.1.1.0"/>
                <component name="oracle.as.install.wls.prerequisite"
version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="cieCfg_wls_shared" version="12.2.1.1.0">
              <components>
                <component name="oracle.fmwconfig.common.wls.shared"
version="12.2.1.1.0"/>
                <component name="oracle.fmwconfig.wls.shared" version="12.2.1.1.0"/>
                <component name="oracle.fmwconfig.common.wls.help" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="cieCfg_wls" version="12.2.1.1.0">
```

```
        <components>
          <component name="oracle.fmwconfig.wls" version="12.2.1.1.0"/>
          <component name="oracle.fmwconfig.common.wls" version="12.2.1.1.0"/>
        </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="12.2.1.1.0">
        <components>
          <component name="oracle.webservices.orawsdl" version="12.2.1.1.0"/>
        </components>
      </feature-set>
      <feature-set name="ws_base" version="12.2.1.1.0">
        <components>
          <component name="oracle.webservices.base" version="12.2.1.1.0"/>
        </components>
      </feature-set>
      <feature-set name="oracledb_xdk" version="12.2.1.1.0">
        <components>
          <component name="oracle.xdk.jrf" version="12.2.1.1.0"/>
          <component name="oracle.xdk.jrf.jaxp" version="12.2.1.1.0"/>
          <component name="oracle.xdk.jrf.fmw" version="12.2.1.1.0"/>
          <component name="oracle.xdk.jrf.xmlparserv2" version="12.2.1.1.0"/>
        </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="12.2.1.1.0">
        <components>
        <component
name="oracle.wls.wlsportable.server.shared.with.core.engine.mod"
version="12.2.1.1.0"/>
        </components>
      </feature-set>
      <feature-set name="wls_portable" version="12.2.1.1.0">
        <components>
          <component name="oracle.wls.wlsportable.mod" version="12.2.1.1.0"/>
        </components>
      </feature-set>
      <feature-set name="thirdParty_oracleJersey" version="1.17.0.0.0">
        <components>
          <component name="oracle.jersey" version="12.2.1.1.0"/>
        </components>
      </feature-set>
      <feature-set name="thirdParty_fasterxmlJackson" version="1.9.2.0.0">
        <components>
          <component name="oracle.jackson" version="12.2.1.1.0"/>
        </components>
      </feature-set>
```

```
                        <feature-set name="jrf_core" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.jrf.j2ee" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.infra.common" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.thirdparty.jee" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.iau" version="12.2.1.1.0"/>
                            <component name="oracle.opss.core" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.thirdparty.toplink" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.toplink" version="12.2.1.1.0"/>
                            <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.nlsgdk" version="12.2.1.1.0"/>
                            <component name="oracle.nlspdk" version="12.2.1.1.0"/>
                          </components>
                        </feature-set>
                        <feature-set name="jrf_wlsCore" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.opss.wls" version="12.2.1.1.0"/>
                          </components>
                        </feature-set>
                        <feature-set name="httpclient" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.http_client" version="12.2.1.1.0"/>
                          </components>
                        </feature-set>
                        <feature-set name="owsm_fmcPlugin" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.wsm.console.core" version="12.2.1.1.0"/>
                          </components>
                        </feature-set>
                        <feature-set name="wls_core_app_server_css_mod" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.wls.core.app.server" version="12.2.1.1.0"/>
                            <component name="oracle.css.mod" version="12.2.1.1.0"/>
                          </components>
                        </feature-set>
                        <feature-set name="jrf_commonFmw" version="12.2.1.1.0">
                          <components>
                            <component name="oracle.jrf.infra.fmw.common" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.applcore" version="12.2.1.1.0"/>
                            <component name="oracle.jrf.datadirect" version="12.2.1.1.0"/>
                            <component name="oracle.webservices.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.rcu.iau" version="12.2.1.1.0"/>
                            <component name="oracle.rcu.opss" version="12.2.1.1.0"/>
                            <component name="oracle.wsm.agent.fmw" version="12.2.1.1.0"/>
                            <component name="oracle.wsm.common" version="12.2.1.1.0"/>
                            <component name="oracle.wsm.pmlib" version="12.2.1.1.0"/>
                            <component name="oracle.wsm.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.opss.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.osdt.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.sslconfig.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.owasp.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.pwdgen.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.ldap.jrf" version="12.2.1.1.0"/>
                            <component name="oracle.jakarta" version="12.2.1.1.0"/>
                            <component name="oracle.jgroups" version="12.2.1.1.0"/>
                            <component name="oracle.jsch" version="12.2.1.1.0"/>
                            <component name="oracle.jython" version="12.2.1.1.0"/>
                            <component name="oracle.as.common.clone" version="12.2.1.1.0"/>
                            <component name="oracle.common.rcu.config" version="12.2.1.1.0"/>
```

```
            <component name="oracle.rcu.ucs.messaging" version="12.2.1.1.0"/>
            <component name="oracle.sdp.messaging" version="12.2.1.1.0"/>
            <component name="oracle.rcu.doc" version="12.2.1.1.0"/>
            <component name="oracle.help.ohw.rcf" version="12.2.1.1.0"/>
            <component name="oracle.help.ohw.share" version="12.2.1.1.0"/>
            <component name="oracle.help.ohw.uix" version="12.2.1.1.0"/>
            <component name="oracle.fmw.upgrade" version="12.2.1.1.0"/>
            <component name="oracle.nlsgdk" version="12.2.1.1.0"/>
            <component name="oracle.nlspdk" version="12.2.1.1.0"/>
            <component name="oracle.webcenter.pageeditor" version="12.2.1.1.0"/>
            <component name="oracle.webcenter.portlet.consumer"
version="12.2.1.1.0"/>
            <component name="oracle.webcenter.portlet.server" version="12.2.1.1.0"/>
            <component name="oracle.webcenter.rest" version="12.2.1.1.0"/>
            <component name="oracle.webcenter.skin" version="12.2.1.1.0"/>
            <component name="oracle.webcenter.wccore" version="12.2.1.1.0"/>
            <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.adfrt" version="12.2.1.1.0"/>
            <component name="oracle.bali.cabo" version="12.2.1.1.0"/>
            <component name="oracle.rcu.mds" version="12.2.1.1.0"/>
            <component name="oracle.xdk.jrf.xmlparserv2" version="12.2.1.1.0"/>
            <component name="oracle.xdk.jrf.fmw" version="12.2.1.1.0"/>
            <component name="oracle.xdk.jrf" version="12.2.1.1.0"/>
            <component name="oracle.xdk.jrf.jaxp" version="12.2.1.1.0"/>
            <component name="oracle.bali.ewt" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="wls_devServer" version="12.2.1.1.0">
          <components>
            <component name="oracle.wls.core.app.server.mod" version="12.2.1.1.0"/>
            <component name="oracle.wls.core.app.server.tier1nativelib"
version="12.2.1.1.0"/>
            <component name="oracle.wls.workshop.code.completion.support"
version="12.2.1.1.0"/>
            <component name="oracle.css.wls" version="12.2.1.1.0"/>
            <component name="oracle.mysqlconn" version="12.2.1.1.0"/>
            <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="12.2.1.1.0"/>
            <component name="oracle.xdk.jrf.jaxp" version="12.2.1.1.0"/>
            <component name="oracle.wls.server.shared.with.core.engine"
version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="wls_adminConsoleEnglish" version="12.2.1.1.0">
          <components>
            <component name="oracle.wls.admin.console.en" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="wls_server" version="12.2.1.1.0"/>
        <feature-set name="JavaDb" version="12.2.1.1.0">
          <components>
            <component name="oracle.wls.evaluation.database" version="12.2.1.1.0"/>
          </components>
        </feature-set>
        <feature-set name="wls_adminConsoleMultiLang" version="12.2.1.1.0">
          <components>
            <component name="oracle.wls.admin.console.nonen" version="12.2.1.1.0"/>
          </components>
```

```
            </feature-set>
            <feature-set name="wls_sca" version="12.2.1.1.0">
              <components>
                <component name="oracle.wls.weblogic.sca" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="wls_thirdPartyJdbc" version="12.2.1.1.0">
              <components>
                <component name="oracle.datadirect" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="jrf_wlsFmw" version="12.2.1.1.0">
              <components>
                <component name="oracle.jrf.infra.fmw.wls" version="12.2.1.1.0"/>
                <component name="oracle.wsm.agent.wls" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="wls_pubsubSharedWithCoreEngine" version="12.2.1.1.0">
              <components>
                <component name="oracle.wls.http.pubsub.server.shared.with.core.engine"
    version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="wls_pubsub" version="12.2.1.1.0">
              <components>
                <component name="oracle.wls.http.pubsub.server" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="em_fmc" version="12.2.1.1.0">
              <components>
                <component name="oracle.sysman.fmw.agent" version="12.2.1.1.0"/>
                <component name="oracle.sysman.fmw.as" version="12.2.1.1.0"/>
                <component name="oracle.sysman.fmw.core" version="12.2.1.1.0"/>
                <component name="oracle.sysman.rcu" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="owlcs" version="12.2.1.1.0">
              <components>
                <component name="oracle.ucs.callcontrol" version="12.2.1.1.0"/>
                <component name="oracle.rcu.ucs.callcontrol" version="12.2.1.1.0"/>
                <component name="oracle.thirdparty.jtapi" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="wls4fmw" version="12.2.1.1.0"/>
            <feature-set name="adr_platforms" version="12.2.1.1.0">
              <components>
                <component name="oracle.adr" version="12.2.1.1.0"/>
              </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="12.2.1.1.0">
              <components>
                <component name="oracle.as.customqna.jdkqna" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="rda_core" version="12.2.1.1.0">
              <components>
```

```
                <component name="oracle.rda" version="4.30.0.0.0"/>
              </components>
            </feature-set>
            <feature-set name="t2p" version="12.2.1.1.0">
              <components>
                <component name="oracle.as.common.clone" version="12.2.1.1.0"/>
              </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="12.2.1.1.0"/>
                <component name="oracle.jrf.maven.plugins.gar" version="12.2.1.1.0"/>
                <component name="oracle.jrf.maven.archetypes.gar" version="12.2.1.1.0"/>
              </components>
            </feature-set>
            <feature-set name="wls_client" version="12.2.1.1.0">
              <components>
                <component name="oracle.wls.clients" version="12.2.1.1.0"/>
              </components>
            </feature-set>
          </feature-sets>
        </distribution>
      </distributions>
    </oracle-home>
```

D.2 compareInventory Sample Output

You can choose to send the output for the compareInventory script to a terminal window, CSV file, or XML file.

The following topics contain sample output for the compareInventory script:

Sample compareInventory Output to Terminal Window
> This example shows the 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.

Sample compareInventory Output to CSV File
> This example shows the 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.

Sample compareInventory Output to XML File
> This example shows the 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 XML file.

D.2.1 Sample compareInventory Output to Terminal Window

This example shows the 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 option.

- 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 option.

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

```
/home/Oracle/products/Oracle_Home/oui/bin/compareInventory.sh -oracle_home1 /home/
Oracle/products/WLS_Oracle_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 12.2.1.1.0,oh1
     FeatureSet: db_xdkNoJaxp 12.2.1.1.0,oh1
       Component: oracle.xdk.jrf.jaxp 12.2.1.1.0,oh1
     FeatureSet: db_xdb 12.1.0.2.5,oh1
       Component: oracle.rdbms.jrf 12.1.0.2.1,oh1
     FeatureSet: wls_rcu 12.2.1.1.0,oh1
       Component: oracle.wls.rcu 12.2.1.1.0,oh1
     FeatureSet: wls_coreServerComp 12.2.1.1.0,oh1
       Component: oracle.wls.core.app.server 12.2.1.1.0,oh1
     FeatureSet: wls_instOnly 12.2.1.1.0,oh1
       Component: oracle.wls.inst.only 12.2.1.1.0,oh1
     FeatureSet: wls_sharedWithInst 12.2.1.1.0,oh1
       Component: oracle.wls.shared.with.inst 12.2.1.1.0,oh1
     FeatureSet: orapki 12.2.1.1.0,oh1
       Component: oracle.rsa.crypto 12.2.1.1.0,oh1
       Component: oracle.pki 12.2.1.1.0,oh1
       Component: oracle.osdt.core 12.2.1.1.0,oh1
     FeatureSet: glcm_common 13.9.0.0.0,oh1
       Component: oracle.glcm.logging 1.5.0.0.0,oh1
       Component: oracle.glcm.comdev 7.7.0.0.0,oh1
       Component: oracle.glcm.dependency 1.7.0.0.0,oh1
       Component: oracle.glcm.xmldh 3.3.0.0.0,oh1
       Component: oracle.glcm.wizard 7.7.0.0.0,oh1
     FeatureSet: glcm_encryption 2.6.0.0.0,oh1
       Component: oracle.glcm.encryption 2.6.0.0.0,oh1
     FeatureSet: jrf_dmsJse 12.2.1.1.0,oh1
       Component: oracle.jse.dms 12.2.1.1.0,oh1
     FeatureSet: jrf_presoTools_core 12.2.1.1.0,oh1
       Component: oracle.bali.share 12.2.1.1.0,oh1
       Component: oracle.bali.jewt 12.2.1.1.0,oh1
       Component: oracle.bali.ice 12.2.1.1.0,oh1
       Component: oracle.help.share 12.2.1.1.0,oh1
       Component: oracle.help.ohj 12.2.1.1.0,oh1
     FeatureSet: jrf_presoTools 12.2.1.1.0,oh1
       Component: oracle.fmw.common.wizard.resources 12.2.1.0.0,oh1
     FeatureSet: wls_securityCore_sharedLib 12.2.1.1.0,oh1
       Component: oracle.wls.security.core.sharedlib 12.2.1.1.0,oh1
     FeatureSet: wls_mtEEOnly_sharedLib 12.2.1.1.0,oh1
       Component: oracle.wls.jrf.tenancy.ee.only.sharedlib 12.2.1.1.0,oh1
     FeatureSet: jrf_tenancy_ee_only 12.2.1.1.0,oh1
     FeatureSet: toplink_thirdparty 12.2.1.1.0,oh1
       Component: oracle.jrf.thirdparty.toplink 12.2.1.1.0,oh1
     FeatureSet: wls_thirdparty_javaxjson 12.2.1.1.0,oh1
       Component: oracle.wls.thirdparty.javax.json 12.2.1.1.0,oh1
     FeatureSet: toplink 12.2.1.1.0,oh1
       Component: oracle.jrf.toplink 12.2.1.1.0,oh1
     FeatureSet: mysql_jdbc 5.1.22.0.1,oh1
       Component: oracle.mysqlconn 5.1.22.0.0,oh1
     FeatureSet: dataDirect_jdbc 5.1.0.0.1,oh1
       Component: oracle.datadirect 5.1.0.0.0,oh1
     FeatureSet: wls_thirdPartyJdbc 12.2.1.1.0,oh1
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FeatureSet: cieStb_rcu 12.2.1.1.0,oh1
  Component: oracle.rcu.ciestb 12.2.1.1.0,oh1
FeatureSet: wls_sharedWithInst_sharedLib 12.2.1.1.0,oh1
  Component: oracle.wls.shared.with.inst.sharedlib 12.2.1.1.0,oh1
FeatureSet: wls_mtCommon_sharedLib 12.2.1.1.0,oh1
  Component: oracle.wls.jrf.tenancy.common.sharedlib 12.2.1.1.0,oh1
FeatureSet: wls_mtCommon 12.2.1.1.0,oh1
  Component: oracle.wls.jrf.tenancy.common 12.2.1.1.0,oh1
FeatureSet: jrf_tenancy_wls_common 12.2.1.1.0,oh1
FeatureSet: thirdParty_oracleJaxbRITools 2.2.10.0.0,oh1
  Component: oracle.jaxb.tools 2.2.10.0.0,oh1
FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.10.0.0,oh1
  Component: oracle.jaxb.impl 2.2.10.0.0,oh1
FeatureSet: thirdParty_oracleJaxbRICore 2.2.10.0.0,oh1
  Component: oracle.jaxb.core 2.2.10.0.0,oh1
FeatureSet: thirdParty_oracleJaxbRI 2.2.10.0.0,oh1
FeatureSet: toplink_coherence 12.2.1.1.0,oh1
  Component: oracle.toplink.coherence 12.2.1.1.0,oh1
FeatureSet: xmlbeans 2.6.1.0.0,oh1
  Component: com.bea.core.xml.xmlbeans 2.6.1.0.0,oh1
FeatureSet: wls_securityCore 12.2.1.1.0,oh1
  Component: oracle.wls.security.core 12.2.1.1.0,oh1
FeatureSet: thirdParty_apacheAnt 1.9.2.1.0,oh1
  Component: oracle.apache.ant.mod 1.9.2.1.0,oh1
FeatureSet: wls_commonServices 12.2.1.1.0,oh1
  Component: oracle.wls.common.cam 12.2.1.1.0,oh1
  Component: oracle.wls.common.nodemanager 12.2.1.1.0,oh1
  Component: oracle.wls.common.cam.wlst 12.2.1.1.0,oh1
  Component: oracle.wls.shared.with.cam 12.2.1.1.0,oh1
FeatureSet: owaspComp 12.2.1.1.0,oh1
  Component: oracle.owasp.jrf 12.2.1.1.0,oh1
FeatureSet: wls_sharedWithOwasp_sharedLib 12.2.1.1.0,oh1
  Component: oracle.wls.shared.with.owasp.sharedlib 12.2.1.1.0,oh1
FeatureSet: wls_sharedWithOwasp 12.2.1.1.0,oh1
  Component: oracle.wls.shared.with.owasp 12.2.1.1.0,oh1
FeatureSet: wls_owaspLibrary 12.2.1.1.0,oh1
FeatureSet: db_nlsrtl 12.1.0.2.3,oh1
  Component: oracle.nlsrtl.jrf 12.1.0.2.1,oh1
FeatureSet: db_jdbc 12.1.0.2.5,oh1
  Component: oracle.javavm.jrf 12.1.0.2.1,oh1
    Patch:  ID:19154304 UID:19278518,oh1
    Patch:  ID:19795066 UID:19149348,oh1
    Patch:  ID:19030178 UID:19234068,oh1
    Patch:  ID:18905788 UID:18668039,oh1
    Patch:  ID:19002423 UID:18804275,oh1
    Patch:  ID:19632480 UID:19278519,oh1
FeatureSet: thirdParty_jsch 0.1.53.0.0,oh1
  Component: oracle.jcraft.jsch 0.1.53.0.0,oh1
FeatureSet: glcm_opatch_common_api 13.9.0.0.0,oh1
  Component: oracle.glcm.opatch.common.api 13.9.0.0.0,oh1
FeatureSet: nginst_core 13.9.0.0.0,oh1
  Component: oracle.nginst.common 13.9.0.0.0,oh1
  Component: oracle.nginst.core 13.9.0.0.0,oh1
  Component: oracle.nginst.thirdparty 13.9.0.0.0,oh1
FeatureSet: opatch 13.9.0.0.0,oh1
  Component: oracle.swd.opatch 13.9.0.0.0,oh1
FeatureSet: coherence_discovery 12.2.1.1.0,oh1
  Component: oracle.coherence.discovery 12.2.1.1.0,oh1
FeatureSet: coherence 12.2.1.1.0,oh1
  Component: oracle.coherence 12.2.1.1.0,oh1
FeatureSet: thirdParty_orgCodehausWoodstox 4.2.0.0.0,oh1
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              Component: org.codehaus.woodstox 4.2.0.0.0,oh1
          FeatureSet: orawsdl 12.2.1.1.0,oh1
            Component: oracle.webservices.orawsdl 12.2.1.1.0,oh1
          FeatureSet: httpclient 12.2.1.1.0,oh1
            Component: oracle.http_client 12.2.1.1.0,oh1
          FeatureSet: ws_base 12.2.1.1.0,oh1
            Component: oracle.webservices.base 12.2.1.1.0,oh1
          FeatureSet: fmw_install_framework 12.2.1.1.0,oh1
            Component: oracle.as.install.ui.framework 12.2.1.1.0,oh1
            Component: oracle.as.install.common.prerequisite.files 12.2.1.1.0,oh1
            Component: oracle.as.install.common.help 12.2.1.1.0,oh1
          FeatureSet: wls_ws 12.2.1.1.0,oh1
            Component: oracle.webservices.wls 12.2.1.1.0,oh1
          FeatureSet: fmw_install_wls 12.2.1.1.0,oh1
            Component: oracle.as.install.wls 12.2.1.1.0,oh1
            Component: oracle.as.install.wls.prerequisite 12.2.1.1.0,oh1
          FeatureSet: apache_commonsCli 1.2.0.0.1,oh1
            Component: oracle.apache.commons.cli 1.2.0.0.1,oh1
          FeatureSet: apache_commonsCompress 1.4.0.0.1,oh1
            Component: oracle.apache.commons.compress 1.4.0.0.1,oh1
          FeatureSet: glcm_oplan_core 13.9.0.0.0,oh1
            Component: oracle.glcm.osys.core 13.9.0.0.0,oh1
            Component: oracle.glcm.oplan.core 13.9.0.0.0,oh1
          FeatureSet: thirdParty_bouncyCastle 12.2.1.1.0,oh1
            Component: oracle.org.bouncycastle 12.2.1.1.0,oh1
          FeatureSet: cieCfg_common 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.common.shared 12.2.1.1.0,oh1
          FeatureSet: wls_sharedClientComps 12.2.1.1.0,oh1
            Component: oracle.wls.libraries 12.2.1.1.0,oh1
          FeatureSet: wls_portable_sharedWithCoh 12.2.1.1.0,oh1
            Component: oracle.wls.shared.with.coh.standalone 12.2.1.1.0,oh1
          FeatureSet: wls_portable 12.2.1.1.0,oh1
            Component: oracle.wls.wlsportable.mod 12.2.1.1.0,oh1
          FeatureSet: cieCfg_config_common 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.common.config.shared 12.2.1.1.0,oh1
          FeatureSet: cieCfg_wls_shared 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.common.wls.help 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.common.wls.shared 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.wls.shared 12.2.1.1.0,oh1
            Component: oracle.fmw.upgrade.fmwconfig 12.2.1.1.0,oh1
          FeatureSet: cieCfg_wls 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.wls 12.2.1.1.0,oh1
            Component: oracle.fmwconfig.common.wls 12.2.1.1.0,oh1
          FeatureSet: fasterxml_Jackson 2.4.3.0.0,oh1
            Component: oracle.fasterxml.jackson 2.4.3.0.0,oh1
          FeatureSet: fmw_platformEnvSpec 12.2.1.1.0,oh1
            Component: oracle.fmwplatform.envspec 12.2.1.1.0,oh1
          FeatureSet: glcm_opatchauto_core 13.9.0.0.0,oh1
            Component: oracle.glcm.opatchauto.core 13.9.0.0.0,oh1
          FeatureSet: wls_sharedLibrariesWithoutPOM 12.2.1.1.0,oh1
          FeatureSet: codehaus_groovy 2.4.6.0.0,oh1
            Component: oracle.codehaus.groovy 2.4.6.0.0,oh1
          FeatureSet: fmw_platformCommon 12.2.1.1.0,oh1
            Component: oracle.fmwplatform.common 12.2.1.1.0,oh1
          FeatureSet: fmw_platformOcp 12.2.1.1.0,oh1
            Component: oracle.fmwplatform.ocp 12.2.1.1.0,oh1
          FeatureSet: fmw_platformProvisioningApi 12.2.1.1.0,oh1
            Component: oracle.fmwplatform.fmwprov 12.2.1.1.0,oh1
          FeatureSet: fmw_platformGeneric 12.2.1.1.0,oh1
          FeatureSet: wls_sharedLibraries 12.2.1.1.0,oh1
          FeatureSet: glcm_opatchauto_fmw 13.9.0.0.0,oh1
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       Component: oracle.glcm.opatchauto.fmw 13.9.0.0.0,oh1
   FeatureSet: ons 12.2.1.1.0,oh1
     Component: oracle.ons.generic 12.2.1.1.0,oh1
   FeatureSet: wls_tier1nativeLib 12.2.1.1.0,oh1
     Component: oracle.wls.core.app.server.tier1nativelib 12.2.1.1.0,oh1
   FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.2,oh1
     Component: oracle.apache.commons.lang.mod 2.6.0.0.2,oh1
   FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.2,oh1
     Component: oracle.apache.commons.collections.mod 3.2.0.0.2,oh1
   FeatureSet: wls_devServer 12.2.1.1.0,oh1
     Component: oracle.wls.workshop.code.completion.support 12.2.1.1.0,oh1
   FeatureSet: wls_adminConsoleEnglish 12.2.1.1.0,oh1
     Component: oracle.wls.admin.console.en 12.2.1.1.0,oh1
   FeatureSet: wls_adminConsoleMultiLang 12.2.1.1.0,oh1
     Component: oracle.wls.admin.console.nonen 12.2.1.1.0,oh1
   FeatureSet: wls_nativeLib 12.2.1.1.0,oh1
   FeatureSet: wls_server 12.2.1.1.0,oh1
   FeatureSet: JavaDb 12.2.1.1.0,oh1
     Component: oracle.wls.evaluation.database 12.2.1.1.0,oh1
   FeatureSet: wls_pubsub 12.2.1.1.0,oh1
     Component: oracle.wls.http.pubsub.server 12.2.1.1.0,oh1
   FeatureSet: wls_sca 12.2.1.1.0,oh1
     Component: oracle.wls.weblogic.sca 12.2.1.1.0,oh1
   FeatureSet: thirdParty_apacheMaven 3.3.9.0.0,oh1
     Component: oracle.thirdparty.maven 3.2.5.0.0,oh1
   FeatureSet: jrf_maven 12.2.1.1.0,oh1
     Component: oracle.jrf.maven.plugins.sync 12.2.1.1.0,oh1
   FeatureSet: adr_platforms 12.1.2.0.0,oh1
     Component: oracle.adr 12.1.2.0.0,oh1
   FeatureSet: emll_ccr 12.1.2.0.0,oh1
     Component: oracle.sysman.ccr 12.1.2.0.0,oh1
   FeatureSet: properties_loader 12.2.1.1.0,oh1
     Component: oracle.as.customqna.jdkqna 12.2.1.1.0,oh1
   FeatureSet: rda_core 12.2.1.1.0,oh1
     Component: oracle.rda 8.11.16.03.08,oh1
   FeatureSet: t2p 12.2.1.1.0,oh1
     Component: oracle.as.common.clone 12.2.1.1.0,oh1
   FeatureSet: wls_client 12.2.1.1.0,oh1
     Component: oracle.wls.clients 12.2.1.1.0,oh1
 Distribution: WebLogic Server for FMW 12.2.1.1.0,oh2
   FeatureSet: db_xdkNoJaxp 12.2.1.1.0,oh2
     Component: oracle.xdk.jrf.jaxp 12.2.1.1.0,oh2
   FeatureSet: db_xdb 12.1.0.2.5,oh2
     Component: oracle.rdbms.jrf 12.1.0.2.1,oh2
   FeatureSet: jrf_dmsJse 12.2.1.1.0,oh2
     Component: oracle.jse.dms 12.2.1.1.0,oh2
   FeatureSet: jrf_dmsCommon 12.2.1.1.0,oh2
     Component: oracle.jrf.dms.common 12.2.1.1.0,oh2
   FeatureSet: oam_core 12.2.1.1.0,oh2
     Component: oracle.oamclient.core 12.2.1.1.0,oh2
   FeatureSet: oam_wlsCore 12.2.1.1.0,oh2
     Component: oracle.oamclient.wls 12.2.1.1.0,oh2
   FeatureSet: oracledb_xdk 12.2.1.1.0,oh2
     Component: oracle.xdk.jrf 12.2.1.1.0,oh2
     Component: oracle.xdk.jrf.fmw 12.2.1.1.0,oh2
     Component: oracle.xdk.jrf.xmlparserv2 12.2.1.1.0,oh2
   FeatureSet: wls_rcu 12.2.1.1.0,oh2
     Component: oracle.wls.rcu 12.2.1.1.0,oh2
   FeatureSet: wls_coreServerComp 12.2.1.1.0,oh2
     Component: oracle.wls.core.app.server 12.2.1.1.0,oh2
   FeatureSet: wls_instOnly 12.2.1.1.0,oh2
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                      Component: oracle.wls.inst.only 12.2.1.1.0,oh2
                 FeatureSet: wls_sharedWithInst 12.2.1.1.0,oh2
                      Component: oracle.wls.shared.with.inst 12.2.1.1.0,oh2
                 FeatureSet: orapki 12.2.1.1.0,oh2
                      Component: oracle.rsa.crypto 12.2.1.1.0,oh2
                      Component: oracle.pki 12.2.1.1.0,oh2
                      Component: oracle.osdt.core 12.2.1.1.0,oh2
                 FeatureSet: glcm_common 13.9.0.0.0,oh2
                      Component: oracle.glcm.logging 1.5.0.0.0,oh2
                      Component: oracle.glcm.comdev 7.7.0.0.0,oh2
                      Component: oracle.glcm.dependency 1.7.0.0.0,oh2
                      Component: oracle.glcm.xmldh 3.3.0.0.0,oh2
                      Component: oracle.glcm.wizard 7.7.0.0.0,oh2
                 FeatureSet: glcm_encryption 2.6.0.0.0,oh2
                      Component: oracle.glcm.encryption 2.6.0.0.0,oh2
                 FeatureSet: jrf_dmsFull 12.2.1.1.0,oh2
                      Component: oracle.jrf.dms 12.2.1.1.0,oh2
                 FeatureSet: jrf_presoTools_core 12.2.1.1.0,oh2
                      Component: oracle.bali.share 12.2.1.1.0,oh2
                      Component: oracle.bali.jewt 12.2.1.1.0,oh2
                      Component: oracle.bali.ice 12.2.1.1.0,oh2
                      Component: oracle.help.share 12.2.1.1.0,oh2
                      Component: oracle.help.ohj 12.2.1.1.0,oh2
                 FeatureSet: jrf_presoTools 12.2.1.1.0,oh2
                      Component: oracle.fmw.common.wizard.resources 12.2.1.0.0,oh2
                 FeatureSet: wls_securityCore_sharedLib 12.2.1.1.0,oh2
                      Component: oracle.wls.security.core.sharedlib 12.2.1.1.0,oh2
                 FeatureSet: wls_mtEEOnly_sharedLib 12.2.1.1.0,oh2
                      Component: oracle.wls.jrf.tenancy.ee.only.sharedlib 12.2.1.1.0,oh2
                 FeatureSet: jrf_tenancy_ee_only 12.2.1.1.0,oh2
                 FeatureSet: toplink_thirdparty 12.2.1.1.0,oh2
                      Component: oracle.jrf.thirdparty.toplink 12.2.1.1.0,oh2
                 FeatureSet: wls_thirdparty_javaxjson 12.2.1.1.0,oh2
                      Component: oracle.wls.thirdparty.javax.json 12.2.1.1.0,oh2
                 FeatureSet: toplink 12.2.1.1.0,oh2
                      Component: oracle.jrf.toplink 12.2.1.1.0,oh2
                 FeatureSet: mysql_jdbc 5.1.22.0.1,oh2
                      Component: oracle.mysqlconn 5.1.22.0.0,oh2
                 FeatureSet: dataDirect_jdbc 5.1.0.0.1,oh2
                      Component: oracle.datadirect 5.1.0.0.0,oh2
                 FeatureSet: wls_thirdPartyJdbc 12.2.1.1.0,oh2
                 FeatureSet: cieStb_rcu 12.2.1.1.0,oh2
                      Component: oracle.rcu.ciestb 12.2.1.1.0,oh2
                 FeatureSet: wls_sharedWithInst_sharedLib 12.2.1.1.0,oh2
                      Component: oracle.wls.shared.with.inst.sharedlib 12.2.1.1.0,oh2
                 FeatureSet: wls_mtCommon_sharedLib 12.2.1.1.0,oh2
                      Component: oracle.wls.jrf.tenancy.common.sharedlib 12.2.1.1.0,oh2
                 FeatureSet: wls_mtCommon 12.2.1.1.0,oh2
                      Component: oracle.wls.jrf.tenancy.common 12.2.1.1.0,oh2
                 FeatureSet: jrf_tenancy_wls_common 12.2.1.1.0,oh2
                 FeatureSet: oam_wlsFmw 12.2.1.1.0,oh2
                 FeatureSet: thirdParty_oracleJaxbRITools 2.2.10.0.0,oh2
                      Component: oracle.jaxb.tools 2.2.10.0.0,oh2
                 FeatureSet: thirdParty_oracleJaxbRIRuntime 2.2.10.0.0,oh2
                      Component: oracle.jaxb.impl 2.2.10.0.0,oh2
                 FeatureSet: thirdParty_oracleJaxbRICore 2.2.10.0.0,oh2
                      Component: oracle.jaxb.core 2.2.10.0.0,oh2
                 FeatureSet: thirdParty_oracleJaxbRI 2.2.10.0.0,oh2
                 FeatureSet: toplink_coherence 12.2.1.1.0,oh2
                      Component: oracle.toplink.coherence 12.2.1.1.0,oh2
                 FeatureSet: toplink_developer 12.2.1.1.0,oh2
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      Component: oracle.toplink.developer 12.2.1.1.0,oh2
      Component: oracle.toplink.doc 12.2.1.1.0,oh2
      Component: oracle.toplink.dbwslib 12.2.1.1.0,oh2
FeatureSet: xmlbeans 2.6.1.0.0,oh2
      Component: com.bea.core.xml.xmlbeans 2.6.1.0.0,oh2
FeatureSet: wls_securityCore 12.2.1.1.0,oh2
      Component: oracle.wls.security.core 12.2.1.1.0,oh2
FeatureSet: thirdParty_apacheAnt 1.9.2.1.0,oh2
      Component: oracle.apache.ant.mod 1.9.2.1.0,oh2
FeatureSet: wls_commonServices 12.2.1.1.0,oh2
      Component: oracle.wls.common.cam 12.2.1.1.0,oh2
      Component: oracle.wls.common.nodemanager 12.2.1.1.0,oh2
      Component: oracle.wls.common.cam.wlst 12.2.1.1.0,oh2
      Component: oracle.wls.shared.with.cam 12.2.1.1.0,oh2
FeatureSet: owaspComp 12.2.1.1.0,oh2
      Component: oracle.owasp.jrf 12.2.1.1.0,oh2
FeatureSet: wls_sharedWithOwasp_sharedLib 12.2.1.1.0,oh2
      Component: oracle.wls.shared.with.owasp.sharedlib 12.2.1.1.0,oh2
FeatureSet: wls_sharedWithOwasp 12.2.1.1.0,oh2
      Component: oracle.wls.shared.with.owasp 12.2.1.1.0,oh2
FeatureSet: wls_owaspLibrary 12.2.1.1.0,oh2
FeatureSet: db_nlsrtl 12.1.0.2.3,oh2
      Component: oracle.nlsrtl.jrf 12.1.0.2.1,oh2
FeatureSet: db_jdbc 12.1.0.2.5,oh2
      Component: oracle.javavm.jrf 12.1.0.2.1,oh2
        Patch:  ID:19154304 UID:19278518,oh2
        Patch:  ID:19795066 UID:19149348,oh2
        Patch:  ID:19030178 UID:19234068,oh2
        Patch:  ID:18905788 UID:18668039,oh2
        Patch:  ID:19002423 UID:18804275,oh2
        Patch:  ID:19632480 UID:19278519,oh2
FeatureSet: jrf_fcp 12.2.1.1.0,oh2
      Component: oracle.jrf.adfrt.help 12.2.1.1.0,oh2
      Component: oracle.jrf.adfrt.batik 12.2.1.1.0,oh2
      Component: oracle.jrf.adfrt.javatools 12.2.1.1.0,oh2
FeatureSet: jrf_adfrt 12.2.1.1.0,oh2
      Component: oracle.jrf.adfrt 12.2.1.1.0,oh2
FeatureSet: thirdParty_jsch 0.1.53.0.0,oh2
      Component: oracle.jcraft.jsch 0.1.53.0.0,oh2
FeatureSet: glcm_opatch_common_api 13.9.0.0.0,oh2
      Component: oracle.glcm.opatch.common.api 13.9.0.0.0,oh2
FeatureSet: nginst_core 13.9.0.0.0,oh2
      Component: oracle.nginst.common 13.9.0.0.0,oh2
      Component: oracle.nginst.core 13.9.0.0.0,oh2
      Component: oracle.nginst.thirdparty 13.9.0.0.0,oh2
FeatureSet: opatch 13.9.0.0.0,oh2
      Component: oracle.swd.opatch 13.9.0.0.0,oh2
FeatureSet: coherence_discovery 12.2.1.1.0,oh2
      Component: oracle.coherence.discovery 12.2.1.1.0,oh2
FeatureSet: coherence 12.2.1.1.0,oh2
      Component: oracle.coherence 12.2.1.1.0,oh2
FeatureSet: jrf_tenancy_common 12.2.1.1.0,oh2
      Component: oracle.jrf.tenancy 12.2.1.1.0,oh2
FeatureSet: jrf_tenancy_se 12.2.1.1.0,oh2
      Component: oracle.jrf.tenancy.se 12.2.1.1.0,oh2
FeatureSet: thirdParty_orgCodehausWoodstox 4.2.0.0.0,oh2
      Component: org.codehaus.woodstox 4.2.0.0.0,oh2
FeatureSet: orawsdl 12.2.1.1.0,oh2
      Component: oracle.webservices.orawsdl 12.2.1.1.0,oh2
FeatureSet: httpclient 12.2.1.1.0,oh2
      Component: oracle.http_client 12.2.1.1.0,oh2
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FeatureSet: ws_base 12.2.1.1.0,oh2
  Component: oracle.webservices.base 12.2.1.1.0,oh2
FeatureSet: fmw_install_framework 12.2.1.1.0,oh2
  Component: oracle.as.install.ui.framework 12.2.1.1.0,oh2
  Component: oracle.as.install.common.prerequisite.files 12.2.1.1.0,oh2
  Component: oracle.as.install.common.help 12.2.1.1.0,oh2
FeatureSet: wls_ws 12.2.1.1.0,oh2
  Component: oracle.webservices.wls 12.2.1.1.0,oh2
FeatureSet: fmw_install_jrf 12.2.1.1.0,oh2
  Component: oracle.as.install.jrf.prerequisite 12.2.1.1.0,oh2
  Component: oracle.as.install.wls 12.2.1.1.0,oh2
FeatureSet: apache_commonsCli 1.2.0.0.1,oh2
  Component: oracle.apache.commons.cli 1.2.0.0.1,oh2
FeatureSet: apache_commonsCompress 1.4.0.0.1,oh2
  Component: oracle.apache.commons.compress 1.4.0.0.1,oh2
FeatureSet: glcm_oplan_core 13.9.0.0.0,oh2
  Component: oracle.glcm.osys.core 13.9.0.0.0,oh2
  Component: oracle.glcm.oplan.core 13.9.0.0.0,oh2
FeatureSet: jrf_tenancy_ee 12.2.1.1.0,oh2
  Component: oracle.jrf.tenancy.ee 12.2.1.1.0,oh2
FeatureSet: jse_webservices 12.2.1.1.0,oh2
  Component: oracle.wsm.common 12.2.1.1.0,oh2
FeatureSet: jrf_webservices 12.2.1.1.0,oh2
  Component: oracle.wsm.agent.fmw 12.2.1.1.0,oh2
  Component: oracle.webservices.jrf 12.2.1.1.0,oh2
  Component: oracle.webservices.jaxrs.jrf 12.2.1.1.0,oh2
FeatureSet: thirdParty_bouncyCastle 12.2.1.1.0,oh2
  Component: oracle.org.bouncycastle 12.2.1.1.0,oh2
FeatureSet: cieCfg_common 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.common.shared 12.2.1.1.0,oh2
FeatureSet: wls_sharedClientComps 12.2.1.1.0,oh2
  Component: oracle.wls.libraries 12.2.1.1.0,oh2
FeatureSet: wls_portable_sharedWithCoh 12.2.1.1.0,oh2
  Component: oracle.wls.shared.with.coh.standalone 12.2.1.1.0,oh2
FeatureSet: wls_portable 12.2.1.1.0,oh2
  Component: oracle.wls.wlsportable.mod 12.2.1.1.0,oh2
FeatureSet: cieCfg_config_common 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.common.config.shared 12.2.1.1.0,oh2
FeatureSet: cieCfg_wls_shared 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.common.wls.help 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.common.wls.shared 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.wls.shared 12.2.1.1.0,oh2
  Component: oracle.fmw.upgrade.fmwconfig 12.2.1.1.0,oh2
FeatureSet: cieCfg_wls 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.wls 12.2.1.1.0,oh2
  Component: oracle.fmwconfig.common.wls 12.2.1.1.0,oh2
FeatureSet: fasterxml_Jackson 2.4.3.0.0,oh2
  Component: oracle.fasterxml.jackson 2.4.3.0.0,oh2
FeatureSet: fmw_platformEnvSpec 12.2.1.1.0,oh2
  Component: oracle.fmwplatform.envspec 12.2.1.1.0,oh2
FeatureSet: glcm_opatchauto_core 13.9.0.0.0,oh2
  Component: oracle.glcm.opatchauto.core 13.9.0.0.0,oh2
FeatureSet: wls_sharedLibrariesWithoutPOM 12.2.1.1.0,oh2
FeatureSet: thirdParty_apacheCommonsLang 2.6.0.0.2,oh2
  Component: oracle.apache.commons.lang.mod 2.6.0.0.2,oh2
FeatureSet: thirdParty_apacheCommonsCollections 3.2.0.0.2,oh2
  Component: oracle.apache.commons.collections.mod 3.2.0.0.2,oh2
FeatureSet: thirdParty_oracleJersey 1.18.0.0.0,oh2
  Component: oracle.jersey 12.1.3.0.0,oh2
FeatureSet: jrf_core 12.2.1.1.0,oh2
  Component: oracle.jrf.j2ee 12.2.1.1.0,oh2
```

```
          Component: oracle.jrf.infra.common 12.2.1.1.0,oh2
          Component: oracle.jrf.thirdparty.jee 12.2.1.1.0,oh2
          Component: oracle.jrf.iau 12.2.1.1.0,oh2
          Component: oracle.opss.core 12.2.1.1.0,oh2
          Component: oracle.jrf.toplink 12.2.1.1.0,oh2
          Component: oracle.classloader 12.2.1.1.0,oh2
          Component: oracle.jmx 12.2.1.1.0,oh2
          Component: oracle.jsp 12.2.1.1.0,oh2
          Component: oracle.legacy_oc4j_xml_schemas 12.2.1.1.0,oh2
          Component: oracle.nlsgdk 12.2.1.1.0,oh2
          Component: oracle.nlspdk 12.2.1.1.0,oh2
          Component: oracle.xdk.jrf.xmlparserv2 12.2.1.1.0,oh2
FeatureSet: db_ras 12.2.1.1.0,oh2
          Component: oracle.rdbms.ras 12.1.0.2.0,oh2
FeatureSet: codehaus_groovy 2.4.6.0.0,oh2
          Component: oracle.codehaus.groovy 2.4.6.0.0,oh2
FeatureSet: fmw_platformCommon 12.2.1.1.0,oh2
          Component: oracle.fmwplatform.common 12.2.1.1.0,oh2
FeatureSet: fmw_platformOcp 12.2.1.1.0,oh2
          Component: oracle.fmwplatform.ocp 12.2.1.1.0,oh2
FeatureSet: fmw_platformProvisioningApi 12.2.1.1.0,oh2
          Component: oracle.fmwplatform.fmwprov 12.2.1.1.0,oh2
FeatureSet: jrf_wlsCore 12.2.1.1.0,oh2
          Component: oracle.opss.wls 12.2.1.1.0,oh2
FeatureSet: glcm_schemaVersionRegistry 12.2.1.1.0,oh2
          Component: oracle.glcm.schema.version.registry 12.2.1.1.0,oh2
FeatureSet: fmw_Upgrade 12.2.1.1.0,oh2
          Component: oracle.fmw.upgrade 12.2.1.1.0,oh2
          Component: oracle.fmw.upgrade.help 12.2.1.1.0,oh2
FeatureSet: fmw_platformGeneric 12.2.1.1.0,oh2
FeatureSet: wls_sharedLibraries 12.2.1.1.0,oh2
FeatureSet: glcm_opatchauto_fmw 13.9.0.0.0,oh2
          Component: oracle.glcm.opatchauto.fmw 13.9.0.0.0,oh2
FeatureSet: rcu 12.2.1.1.0,oh2
          Component: oracle.sysman.rcu 12.2.1.1.0,oh2
          Component: oracle.rcu.doc 12.2.1.1.0,oh2
          Component: oracle.common.rcu.config 12.2.1.1.0,oh2
          Component: oracle.wls.evaluation.database 12.2.1.1.0,oh2
FeatureSet: ons 12.2.1.1.0,oh2
          Component: oracle.ons.generic 12.2.1.1.0,oh2
FeatureSet: wls_tier1nativeLib 12.2.1.1.0,oh2
          Component: oracle.wls.core.app.server.tier1nativelib 12.2.1.1.0,oh2
FeatureSet: wls_devServer 12.2.1.1.0,oh2
          Component: oracle.wls.workshop.code.completion.support 12.2.1.1.0,oh2
FeatureSet: mds_rcu 12.2.1.1.0,oh2
          Component: oracle.rcu.mds 12.2.1.1.0,oh2
FeatureSet: ucsmessaging_rcu 12.2.1.1.0,oh2
          Component: oracle.rcu.ucs.messaging 12.2.1.1.0,oh2
FeatureSet: thirdParty_Jython 2.2.0.0.0,oh2
          Component: oracle.jython 12.1.3.0.0,oh2
FeatureSet: thirdParty_Groovy 12.2.1.1.0,oh2
          Component: oracle.jrf.adfrt.groovy 12.2.1.1.0,oh2
FeatureSet: owsm_fmcPlugin 12.2.1.1.0,oh2
          Component: oracle.wsm.console.core 12.2.1.1.0,oh2
FeatureSet: jrf_commonFmw 12.2.1.1.0,oh2
          Component: oracle.jrf.infra.fmw.common 12.2.1.1.0,oh2
          Component: oracle.jrf.applcore 12.2.1.1.0,oh2
          Component: oracle.rcu.iau 12.2.1.1.0,oh2
          Component: oracle.rcu.opss 12.2.1.1.0,oh2
          Component: oracle.wsm.pmlib 12.2.1.1.0,oh2
          Component: oracle.wsm.jrf 12.2.1.1.0,oh2
```

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                    Component: oracle.opss.jrf 12.2.1.1.0,oh2
                    Component: oracle.osdt.jrf 12.2.1.1.0,oh2
                    Component: oracle.sslconfig.jrf 12.2.1.1.0,oh2
                    Component: oracle.pwdgen.jrf 12.2.1.1.0,oh2
                    Component: oracle.ldap.jrf 12.2.1.1.0,oh2
                    Component: oracle.jakarta 12.2.1.0.0,oh2
                    Component: oracle.jgroups 12.2.1.0.0,oh2
                    Component: oracle.jsch 12.2.1.0.0,oh2
                    Component: oracle.as.common.clone 12.2.1.1.0,oh2
                    Component: oracle.sdp.messaging 12.2.1.1.0,oh2
                    Component: oracle.rcu.doc 12.2.1.1.0,oh2
                    Component: oracle.help.ohw.rcf 12.2.1.1.0,oh2
                    Component: oracle.help.ohw.share 12.2.1.1.0,oh2
                    Component: oracle.help.ohw.uix 12.2.1.1.0,oh2
                    Component: oracle.fmw.upgrade 12.2.1.1.0,oh2
                    Component: oracle.webcenter.wccore 12.2.1.1.0,oh2
                    Component: oracle.bali.cabo 12.2.1.1.0,oh2
                    Component: oracle.xdk.jrf.fmw 12.2.1.1.0,oh2
                    Component: oracle.xdk.jrf 12.2.1.1.0,oh2
                    Component: oracle.bali.ewt 12.2.1.1.0,oh2
                 FeatureSet: wls_adminConsoleEnglish 12.2.1.1.0,oh2
                    Component: oracle.wls.admin.console.en 12.2.1.1.0,oh2
                 FeatureSet: jersey_client 12.2.1.1.0,oh2
                 FeatureSet: wls_adminConsoleMultiLang 12.2.1.1.0,oh2
                    Component: oracle.wls.admin.console.nonen 12.2.1.1.0,oh2
                 FeatureSet: wls_nativeLib 12.2.1.1.0,oh2
                 FeatureSet: wls_server 12.2.1.1.0,oh2
                 FeatureSet: JavaDb 12.2.1.1.0,oh2
                    Component: oracle.wls.evaluation.database 12.2.1.1.0,oh2
                 FeatureSet: jrf_ws_client 12.2.1.1.0,oh2
                 FeatureSet: wls_pubsub 12.2.1.1.0,oh2
                    Component: oracle.wls.http.pubsub.server 12.2.1.1.0,oh2
                 FeatureSet: wls_sca 12.2.1.1.0,oh2
                    Component: oracle.wls.weblogic.sca 12.2.1.1.0,oh2
                 FeatureSet: jrf_wlsFmw 12.2.1.1.0,oh2
                    Component: oracle.jrf.infra.fmw.wls 12.2.1.1.0,oh2
                    Component: oracle.wsm.agent.wls 12.2.1.1.0,oh2
                 FeatureSet: em_fmc 12.2.1.1.0,oh2
                    Component: oracle.sysman.fmw.core 12.2.1.1.0,oh2
                    Component: oracle.sysman.fmw.as 12.2.1.1.0,oh2
                    Component: oracle.sysman.fmw.agent 12.2.1.1.0,oh2
                 FeatureSet: wls_ws_client 12.2.1.1.0,oh2
                 FeatureSet: wls4fmw 12.2.1.1.0,oh2
                 FeatureSet: thirdParty_apacheMaven 3.3.9.0.0,oh2
                    Component: oracle.thirdparty.maven 3.2.5.0.0,oh2
                 FeatureSet: jrf_maven 12.2.1.1.0,oh2
                    Component: oracle.jrf.maven.plugins.sync 12.2.1.1.0,oh2
                 FeatureSet: adr_platforms 12.1.2.0.0,oh2
                    Component: oracle.adr 12.1.2.0.0,oh2
                 FeatureSet: emll_ccr 12.1.2.0.0,oh2
                    Component: oracle.sysman.ccr 12.1.2.0.0,oh2
                 FeatureSet: properties_loader 12.2.1.1.0,oh2
                    Component: oracle.as.customqna.jdkqna 12.2.1.1.0,oh2
                 FeatureSet: rda_core 12.2.1.1.0,oh2
                    Component: oracle.rda 8.11.16.03.08,oh2
                 FeatureSet: t2p 12.2.1.1.0,oh2
                    Component: oracle.as.common.clone 12.2.1.1.0,oh2
                 FeatureSet: wls_client 12.2.1.1.0,oh2
                    Component: oracle.wls.clients 12.2.1.1.0,oh2

         The inventory compare finished execution succesfully.
```

D.2.2 Sample compareInventory Output to CSV File

This example shows the 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 option.

- 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 option.

The command used to generate this output was:

```
/home/Oracle/products/Oracle_Home/oui/bin/compareInventory.sh -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,12.2.1.1.0,oh1
FeatureSet,db_xdkNoJaxp,12.2.1.1.0,oh1
Component,oracle.xdk.jrf.jaxp,12.2.1.1.0,oh1
FeatureSet,db_xdb,12.1.0.2.5,oh1
Component,oracle.rdbms.jrf,12.1.0.2.1,oh1
FeatureSet,wls_rcu,12.2.1.1.0,oh1
Component,oracle.wls.rcu,12.2.1.1.0,oh1
FeatureSet,wls_coreServerComp,12.2.1.1.0,oh1
Component,oracle.wls.core.app.server,12.2.1.1.0,oh1
FeatureSet,wls_instOnly,12.2.1.1.0,oh1
Component,oracle.wls.inst.only,12.2.1.1.0,oh1
FeatureSet,wls_sharedWithInst,12.2.1.1.0,oh1
Component,oracle.wls.shared.with.inst,12.2.1.1.0,oh1
FeatureSet,orapki,12.2.1.1.0,oh1
Component,oracle.rsa.crypto,12.2.1.1.0,oh1
Component,oracle.pki,12.2.1.1.0,oh1
Component,oracle.osdt.core,12.2.1.1.0,oh1
FeatureSet,glcm_common,13.9.0.0.0,oh1
Component,oracle.glcm.logging,1.5.0.0.0,oh1
Component,oracle.glcm.comdev,7.7.0.0.0,oh1
Component,oracle.glcm.dependency,1.7.0.0.0,oh1
Component,oracle.glcm.xmldh,3.3.0.0.0,oh1
Component,oracle.glcm.wizard,7.7.0.0.0,oh1
FeatureSet,glcm_encryption,2.6.0.0.0,oh1
Component,oracle.glcm.encryption,2.6.0.0.0,oh1
FeatureSet,jrf_dmsJse,12.2.1.1.0,oh1
Component,oracle.jse.dms,12.2.1.1.0,oh1
FeatureSet,jrf_presoTools_core,12.2.1.1.0,oh1
Component,oracle.bali.share,12.2.1.1.0,oh1
Component,oracle.bali.jewt,12.2.1.1.0,oh1
Component,oracle.bali.ice,12.2.1.1.0,oh1
Component,oracle.help.share,12.2.1.1.0,oh1
Component,oracle.help.ohj,12.2.1.1.0,oh1
FeatureSet,jrf_presoTools,12.2.1.1.0,oh1
Component,oracle.fmw.common.wizard.resources,12.2.1.0.0,oh1
```

```
FeatureSet,wls_securityCore_sharedLib,12.2.1.1.0,oh1
Component,oracle.wls.security.core.sharedlib,12.2.1.1.0,oh1
FeatureSet,wls_mtEEOnly_sharedLib,12.2.1.1.0,oh1
Component,oracle.wls.jrf.tenancy.ee.only.sharedlib,12.2.1.1.0,oh1
FeatureSet,jrf_tenancy_ee_only,12.2.1.1.0,oh1
FeatureSet,toplink_thirdparty,12.2.1.1.0,oh1
Component,oracle.jrf.thirdparty.toplink,12.2.1.1.0,oh1
FeatureSet,wls_thirdparty_javaxjson,12.2.1.1.0,oh1
Component,oracle.wls.thirdparty.javax.json,12.2.1.1.0,oh1
FeatureSet,toplink,12.2.1.1.0,oh1
Component,oracle.jrf.toplink,12.2.1.1.0,oh1
FeatureSet,mysql_jdbc,5.1.22.0.1,oh1
Component,oracle.mysqlconn,5.1.22.0.0,oh1
FeatureSet,dataDirect_jdbc,5.1.0.0.1,oh1
Component,oracle.datadirect,5.1.0.0.0,oh1
FeatureSet,wls_thirdPartyJdbc,12.2.1.1.0,oh1
FeatureSet,cieStb_rcu,12.2.1.1.0,oh1
Component,oracle.rcu.ciestb,12.2.1.1.0,oh1
FeatureSet,wls_sharedWithInst_sharedLib,12.2.1.1.0,oh1
Component,oracle.wls.shared.with.inst.sharedlib,12.2.1.1.0,oh1
FeatureSet,wls_mtCommon_sharedLib,12.2.1.1.0,oh1
Component,oracle.wls.jrf.tenancy.common.sharedlib,12.2.1.1.0,oh1
FeatureSet,wls_mtCommon,12.2.1.1.0,oh1
Component,oracle.wls.jrf.tenancy.common,12.2.1.1.0,oh1
FeatureSet,jrf_tenancy_wls_common,12.2.1.1.0,oh1
FeatureSet,thirdParty_oracleJaxbRITools,2.2.10.0.0,oh1
Component,oracle.jaxb.tools,2.2.10.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRIRuntime,2.2.10.0.0,oh1
Component,oracle.jaxb.impl,2.2.10.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRICore,2.2.10.0.0,oh1
Component,oracle.jaxb.core,2.2.10.0.0,oh1
FeatureSet,thirdParty_oracleJaxbRI,2.2.10.0.0,oh1
FeatureSet,toplink_coherence,12.2.1.1.0,oh1
Component,oracle.toplink.coherence,12.2.1.1.0,oh1
FeatureSet,xmlbeans,2.6.1.0.0,oh1
Component,com.bea.core.xml.xmlbeans,2.6.1.0.0,oh1
FeatureSet,wls_securityCore,12.2.1.1.0,oh1
Component,oracle.wls.security.core,12.2.1.1.0,oh1
FeatureSet,thirdParty_apacheAnt,1.9.2.1.0,oh1
Component,oracle.apache.ant.mod,1.9.2.1.0,oh1
FeatureSet,wls_commonServices,12.2.1.1.0,oh1
Component,oracle.wls.common.cam,12.2.1.1.0,oh1
Component,oracle.wls.common.nodemanager,12.2.1.1.0,oh1
Component,oracle.wls.common.cam.wlst,12.2.1.1.0,oh1
Component,oracle.wls.shared.with.cam,12.2.1.1.0,oh1
FeatureSet,owaspComp,12.2.1.1.0,oh1
Component,oracle.owasp.jrf,12.2.1.1.0,oh1
FeatureSet,wls_sharedWithOwasp_sharedLib,12.2.1.1.0,oh1
Component,oracle.wls.shared.with.owasp.sharedlib,12.2.1.1.0,oh1
FeatureSet,wls_sharedWithOwasp,12.2.1.1.0,oh1
Component,oracle.wls.shared.with.owasp,12.2.1.1.0,oh1
FeatureSet,wls_owaspLibrary,12.2.1.1.0,oh1
FeatureSet,db_nlsrtl,12.1.0.2.3,oh1
Component,oracle.nlsrtl.jrf,12.1.0.2.1,oh1
FeatureSet,db_jdbc,12.1.0.2.5,oh1
Component,oracle.javavm.jrf,12.1.0.2.1,oh1
Patch,ID: 19154304,UID: 19278518,oh1
Patch,ID: 19795066,UID: 19149348,oh1
Patch,ID: 19030178,UID: 19234068,oh1
Patch,ID: 18905788,UID: 18668039,oh1
Patch,ID: 19002423,UID: 18804275,oh1
```

```
Patch,ID: 19632480,UID: 19278519,oh1
FeatureSet,thirdParty_jsch,0.1.53.0.0,oh1
Component,oracle.jcraft.jsch,0.1.53.0.0,oh1
FeatureSet,glcm_opatch_common_api,13.9.0.0.0,oh1
Component,oracle.glcm.opatch.common.api,13.9.0.0.0,oh1
FeatureSet,nginst_core,13.9.0.0.0,oh1
Component,oracle.nginst.common,13.9.0.0.0,oh1
Component,oracle.nginst.core,13.9.0.0.0,oh1
Component,oracle.nginst.thirdparty,13.9.0.0.0,oh1
FeatureSet,opatch,13.9.0.0.0,oh1
Component,oracle.swd.opatch,13.9.0.0.0,oh1
FeatureSet,coherence_discovery,12.2.1.1.0,oh1
Component,oracle.coherence.discovery,12.2.1.1.0,oh1
FeatureSet,coherence,12.2.1.1.0,oh1
Component,oracle.coherence,12.2.1.1.0,oh1
FeatureSet,thirdParty_orgCodehausWoodstox,4.2.0.0.0,oh1
Component,org.codehaus.woodstox,4.2.0.0.0,oh1
FeatureSet,orawsdl,12.2.1.1.0,oh1
Component,oracle.webservices.orawsdl,12.2.1.1.0,oh1
FeatureSet,httpclient,12.2.1.1.0,oh1
Component,oracle.http_client,12.2.1.1.0,oh1
FeatureSet,ws_base,12.2.1.1.0,oh1
Component,oracle.webservices.base,12.2.1.1.0,oh1
FeatureSet,fmw_install_framework,12.2.1.1.0,oh1
Component,oracle.as.install.ui.framework,12.2.1.1.0,oh1
Component,oracle.as.install.common.prerequisite.files,12.2.1.1.0,oh1
Component,oracle.as.install.common.help,12.2.1.1.0,oh1
FeatureSet,wls_ws,12.2.1.1.0,oh1
Component,oracle.webservices.wls,12.2.1.1.0,oh1
FeatureSet,fmw_install_wls,12.2.1.1.0,oh1
Component,oracle.as.install.wls,12.2.1.1.0,oh1
Component,oracle.as.install.wls.prerequisite,12.2.1.1.0,oh1
FeatureSet,apache_commonsCli,1.2.0.0.1,oh1
Component,oracle.apache.commons.cli,1.2.0.0.1,oh1
FeatureSet,apache_commonsCompress,1.4.0.0.1,oh1
Component,oracle.apache.commons.compress,1.4.0.0.1,oh1
FeatureSet,glcm_oplan_core,13.9.0.0.0,oh1
Component,oracle.glcm.osys.core,13.9.0.0.0,oh1
Component,oracle.glcm.oplan.core,13.9.0.0.0,oh1
FeatureSet,thirdParty_bouncyCastle,12.2.1.1.0,oh1
Component,oracle.org.bouncycastle,12.2.1.1.0,oh1
FeatureSet,cieCfg_common,12.2.1.1.0,oh1
Component,oracle.fmwconfig.common.shared,12.2.1.1.0,oh1
FeatureSet,wls_sharedClientComps,12.2.1.1.0,oh1
Component,oracle.wls.libraries,12.2.1.1.0,oh1
FeatureSet,wls_portable_sharedWithCoh,12.2.1.1.0,oh1
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FeatureSet,owsm_fmcPlugin,12.2.1.1.0,oh2
Component,oracle.wsm.console.core,12.2.1.1.0,oh2
FeatureSet,jrf_commonFmw,12.2.1.1.0,oh2
Component,oracle.jrf.infra.fmw.common,12.2.1.1.0,oh2
Component,oracle.jrf.applcore,12.2.1.1.0,oh2
Component,oracle.rcu.iau,12.2.1.1.0,oh2
Component,oracle.rcu.opss,12.2.1.1.0,oh2
Component,oracle.wsm.pmlib,12.2.1.1.0,oh2
Component,oracle.wsm.jrf,12.2.1.1.0,oh2
Component,oracle.opss.jrf,12.2.1.1.0,oh2
Component,oracle.osdt.jrf,12.2.1.1.0,oh2
Component,oracle.sslconfig.jrf,12.2.1.1.0,oh2
Component,oracle.pwdgen.jrf,12.2.1.1.0,oh2
Component,oracle.ldap.jrf,12.2.1.1.0,oh2
Component,oracle.jakarta,12.2.1.0.0,oh2
Component,oracle.jgroups,12.2.1.0.0,oh2
Component,oracle.jsch,12.2.1.0.0,oh2
Component,oracle.as.common.clone,12.2.1.1.0,oh2
Component,oracle.sdp.messaging,12.2.1.1.0,oh2
Component,oracle.rcu.doc,12.2.1.1.0,oh2
Component,oracle.help.ohw.rcf,12.2.1.1.0,oh2
Component,oracle.help.ohw.share,12.2.1.1.0,oh2
Component,oracle.help.ohw.uix,12.2.1.1.0,oh2
Component,oracle.fmw.upgrade,12.2.1.1.0,oh2
Component,oracle.webcenter.wccore,12.2.1.1.0,oh2
Component,oracle.bali.cabo,12.2.1.1.0,oh2
Component,oracle.xdk.jrf.fmw,12.2.1.1.0,oh2
Component,oracle.xdk.jrf,12.2.1.1.0,oh2
Component,oracle.bali.ewt,12.2.1.1.0,oh2
FeatureSet,wls_adminConsoleEnglish,12.2.1.1.0,oh2
Component,oracle.wls.admin.console.en,12.2.1.1.0,oh2
FeatureSet,jersey_client,12.2.1.1.0,oh2
FeatureSet,wls_adminConsoleMultiLang,12.2.1.1.0,oh2
Component,oracle.wls.admin.console.nonen,12.2.1.1.0,oh2
FeatureSet,wls_nativeLib,12.2.1.1.0,oh2
FeatureSet,wls_server,12.2.1.1.0,oh2
FeatureSet,JavaDb,12.2.1.1.0,oh2
Component,oracle.wls.evaluation.database,12.2.1.1.0,oh2
FeatureSet,jrf_ws_client,12.2.1.1.0,oh2
FeatureSet,wls_pubsub,12.2.1.1.0,oh2
Component,oracle.wls.http.pubsub.server,12.2.1.1.0,oh2
FeatureSet,wls_sca,12.2.1.1.0,oh2
Component,oracle.wls.weblogic.sca,12.2.1.1.0,oh2
FeatureSet,jrf_wlsFmw,12.2.1.1.0,oh2
Component,oracle.jrf.infra.fmw.wls,12.2.1.1.0,oh2
Component,oracle.wsm.agent.wls,12.2.1.1.0,oh2
FeatureSet,em_fmc,12.2.1.1.0,oh2
Component,oracle.sysman.fmw.core,12.2.1.1.0,oh2
Component,oracle.sysman.fmw.as,12.2.1.1.0,oh2
Component,oracle.sysman.fmw.agent,12.2.1.1.0,oh2
FeatureSet,wls_ws_client,12.2.1.1.0,oh2
FeatureSet,wls4fmw,12.2.1.1.0,oh2
FeatureSet,thirdParty_apacheMaven,3.3.9.0.0,oh2
Component,oracle.thirdparty.maven,3.2.5.0.0,oh2
```

```
FeatureSet,jrf_maven,12.2.1.1.0,oh2
Component,oracle.jrf.maven.plugins.sync,12.2.1.1.0,oh2
FeatureSet,adr_platforms,12.1.2.0.0,oh2
Component,oracle.adr,12.1.2.0.0,oh2
FeatureSet,emll_ccr,12.1.2.0.0,oh2
Component,oracle.sysman.ccr,12.1.2.0.0,oh2
FeatureSet,properties_loader,12.2.1.1.0,oh2
Component,oracle.as.customqna.jdkqna,12.2.1.1.0,oh2
FeatureSet,rda_core,12.2.1.1.0,oh2
Component,oracle.rda,8.11.16.03.08,oh2
FeatureSet,t2p,12.2.1.1.0,oh2
Component,oracle.as.common.clone,12.2.1.1.0,oh2
FeatureSet,wls_client,12.2.1.1.0,oh2
Component,oracle.wls.clients,12.2.1.1.0,oh2
```

D.2.3 Sample compareInventory Output to XML File

This example shows the 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 XML 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 option.

- 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 option.

- 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:

```
/home/Oracle/products/Oracle_Home/oui/bin/compareInventory.sh -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="12.2.1.1.0" oh-diff="oh1">
        <feature-sets>
          <feature-set name="jrf_dmsJse" version="12.2.1.1.0" oh-diff="oh1">
            <components>
              <component name="oracle.jse.dms" version="12.2.1.1.0" oh-diff="oh1">
                <patches/>
              </component>
            </components>
          </feature-set>
          <feature-set name="jrf_presoTools" version="12.2.1.1.0" oh-diff="oh1">
            <components>
              <component name="oracle.help.ohj" version="12.2.1.1.0" oh-diff="oh1">
                <patches/>
```

```
              </component>
              <component name="oracle.help.share" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.bali.share" version="12.2.1.1.0" oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.fmw.common.wizard.resources"
version="12.2.1.1.0" 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-set name="opatch" version="13.3.0.0.0" oh-diff="oh1">
           <components>
             <component name="oracle.swd.opatch" version="13.3.0.0.0" oh-diff="oh1">
               <patches/>
             </component>
           </components>
         </feature-set>
         <feature-set name="toplink" version="12.2.1.1.0" oh-diff="oh1">
           <components>
             <component name="oracle.jrf.toplink" version="12.2.1.1.0" oh-
diff="oh1">
               <patches/>
             </component>
           </components>
         </feature-set>
         <feature-set name="toplink_coherence" version="12.2.1.1.0" oh-diff="oh1">
           <components>
             <component name="oracle.toplink.coherence" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
           <components>
             <component name="oracle.wls.common.cam" version="12.2.1.1.0" oh-
```

```
diff="oh1">
                <patches/>
              </component>
              <component name="oracle.wls.common.nodemanager" version="12.2.1.1.0"
oh-diff="oh1">
                <patches/>
              </component>
              <component name="oracle.wls.common.cam.wlst" version="12.2.1.1.0" oh-
diff="oh1">
                <patches/>
              </component>
              <component name="oracle.wls.shared.with.cam" version="12.2.1.1.0" oh-
diff="oh1">
                <patches/>
              </component>
          </components>
        </feature-set>
        <feature-set name="coherence" version="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.coherence" version="12.2.1.1.0" oh-diff="oh1">
              <patches/>
            </component>
          </components>
        </feature-set>
        <feature-set name="orapki" version="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.osdt.core" version="12.2.1.1.0" oh-diff="oh1">
              <patches/>
            </component>
            <component name="oracle.pki" version="12.2.1.1.0" oh-diff="oh1">
              <patches/>
            </component>
            <component name="oracle.rsa.crypto" version="12.2.1.1.0" oh-diff="oh1">
              <patches/>
            </component>
          </components>
        </feature-set>
        <feature-set name="cieCfg_common" version="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.fmwconfig.common.shared" version="12.2.1.1.0"
oh-diff="oh1">
                <patches/>
              </component>
          </components>
        </feature-set>
        <feature-set name="fmw_install_framework" version=12.2.1.1.0" oh-
diff="oh1">
          <components>
            <component name="oracle.as.install.ui.framework" version="12.2.1.1.0"
oh-diff="oh1">
                <patches/>
              </component>
            <component name="oracle.as.install.common.help" version="12.2.1.1.0"
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_oracleJaxbRICore" version="2.2.7.0.0" oh-
diff="oh1">
                <components/>
              </feature-set>
              <feature-set name="thirdParty_oracleJaxbRI" version="2.2.7.0.0" oh-
diff="oh1">
                <components/>
              </feature-set>
              <feature-set name="fmw_install_wls" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.as.install.wls" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                  <component name="oracle.as.install.wls.prerequisite"
version="12.2.1.1.0" oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="cieCfg_wls_shared" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.fmwconfig.common.wls.shared"
version="12.2.1.1.0" oh-diff="oh1">
                    <patches/>
                  </component>
                  <component name="oracle.fmwconfig.wls.shared" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                  <component name="oracle.fmwconfig.common.wls.help"
version="12.2.1.1.0" oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="cieCfg_wls" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.fmwconfig.wls" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                  <component name="oracle.fmwconfig.common.wls" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
                              <components>
                                <component name="oracle.webservices.orawsdl" version="12.2.1.1.0" oh-
diff="oh1">
                                   <patches/>
                                </component>
                              </components>
                            </feature-set>
                            <feature-set name="ws_base" version="12.2.1.1.0" oh-diff="oh1">
                              <components>
                                <component name="oracle.webservices.base" version="12.2.1.1.0" oh-
diff="oh1">
                                   <patches/>
                                </component>
                              </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="12.2.1.1.0"
oh-diff="oh1">
                              <components>
                                <component
name="oracle.wls.wlsportable.server.shared.with.core.engine.mod"
version="12.2.1.1.0" oh-diff="oh1">
                                   <patches/>
                                </component>
                              </components>
                            </feature-set>
                            <feature-set name="wls_portable" version="12.2.1.1.0" oh-diff="oh1">
                              <components>
                                <component name="oracle.wls.wlsportable.mod" version="12.2.1.1.0" oh-
diff="oh1">
                                   <patches/>
                                </component>
                              </components>
                            </feature-set>
                            <feature-set name="httpclient" version="12.2.1.1.0" oh-diff="oh1">
                              <components>
                                <component name="oracle.http_client" version="12.2.1.1.0" 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="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
              </components>
            </feature-set>
            <feature-set name="wls_core_app_server_css_mod" version="12.2.1.1.0" oh-
diff="oh1">
              <components>
                <component name="oracle.wls.core.app.server" version="12.2.1.1.0" oh-
diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.css.mod" version="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
              </components>
            </feature-set>
            <feature-set name="wls_devServer" version="12.2.1.1.0" oh-diff="oh1">
              <components>
                <component name="oracle.wls.core.app.server.mod" version="12.2.1.1.0"
oh-diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.wls.core.app.server.tier1nativelib"
version="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.wls.workshop.code.completion.support"
version="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.css.wls" version="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.mysqlconn" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
                  <patches/>
                </component>
                <component name="oracle.xdk.jrf.jaxp" version="12.2.1.1.0" oh-
diff="oh1">
                  <patches/>
                </component>
```

```
                        <component name="oracle.wls.server.shared.with.core.engine"
version="12.2.1.1.0" oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_adminConsoleEnglish" version="12.2.1.1.0" oh-
diff="oh1">
                <components>
                  <component name="oracle.wls.admin.console.en" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_server" version="12.2.1.1.0" oh-diff="oh1">
                <components/>
              </feature-set>
              <feature-set name="JavaDb" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.wls.evaluation.database" version="12.2.1.1.0"
oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_adminConsoleMultiLang" version="12.2.1.1.0" oh-
diff="oh1">
                <components>
                  <component name="oracle.wls.admin.console.nonen" version="12.2.1.1.0"
oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_sca" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.wls.weblogic.sca" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_thirdPartyJdbc" version="12.2.1.1.0" oh-diff="oh1">
                <components>
                  <component name="oracle.datadirect" version="12.2.1.1.0" oh-diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_pubsubSharedWithCoreEngine" version="12.2.1.1.0" oh-
diff="oh1">
                <components>
                  <component
name="oracle.wls.http.pubsub.server.shared.with.core.engine" version="12.2.1.1.0" oh-
diff="oh1">
                    <patches/>
                  </component>
                </components>
              </feature-set>
              <feature-set name="wls_pubsub" version="12.2.1.1.0" oh-diff="oh1">
```

```
          <components>
            <component name="oracle.wls.http.pubsub.server" version="12.2.1.1.0"
oh-diff="oh1">
              <patches/>
            </component>
          </components>
        </feature-set>
        <feature-set name="adr_platforms" version="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.adr" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.as.customqna.jdkqna" version="12.2.1.1.0" oh-
diff="oh1">
              <patches/>
            </component>
          </components>
        </feature-set>
        <feature-set name="rda_core" version="12.2.1.1.0" 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="12.2.1.1.0" oh-diff="oh1">
          <components>
            <component name="oracle.as.common.clone" version="12.2.1.1.0" 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="12.2.1.1.0"
oh-diff="oh1">
              <patches/>
            </component>
            <component name="oracle.jrf.maven.plugins.gar" version="12.2.1.1.0" oh-
diff="oh1">
              <patches/>
            </component>
            <component name="oracle.jrf.maven.archetypes.gar" version="12.2.1.1.0"
oh-diff="oh1">
```

```
                        <patches/>
                      </component>
                    </components>
                  </feature-set>
                  <feature-set name="wls_client" version="12.2.1.1.0" oh-diff="oh1">
                    <components>
                      <component name="oracle.wls.clients" version="12.2.1.1.0" oh-
diff="oh1">
                        <patches/>
                      </component>
                    </components>
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```

```
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      </ns2:inventory-compare>
```

E

Configuring Installation and Configuration Log Files

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

The following topics describe the log files that are created by the Installer and Configuration Wizard.

Installation Log Files
> By default, the installer writes logs files to the *Central_Inventory_Location/log* (on UNIX operating systems) or *Central_Inventory_Location\logs* (on Windows operating systems) directory.

Configuration Log Files
> To create a log file of your configuration session, start the Configuration Wizard with the `-log` option.

E.1 Installation Log Files

By default, the installer writes logs files to the *Central_Inventory_Location/log* (on UNIX operating systems) or *Central_Inventory_Location\logs* (on Windows operating systems) directory.

On UNIX operating systems, if you do not know the location of your Oracle central inventory, you can find it in the `oraInst.loc` file in the following directories (default locations):

- Linux: `/etc/oraInst.loc`

- HP-UX, IBM AIX, Mac OS X, and Solaris: `/var/opt/oracle/oraInst.loc`

On Windows operating systems, the location for the central inventory directory is `%SystemDrive%\Program Files\Oracle\Inventory\logs`.

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

- `install`*date-time-stamp*`.log`

  This is the main log file.

- `installProfile`*date-time-stamp*`.log`

  This log file contains the overall statistics like time taken to complete the installation, as well as configuration, memory and CPU details.

- `oraInstall`*date-time-stamp*`.out`

  This log file contains additional log output.

- `oraInstalldate-time-stamp.err`

  This log file contains additional log output.

Note that patch-related log files created by the Auto Updates feature are written to the *ORACLE_HOME*/cfgtoollogs directory.

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

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

```
java -jar fmw_12.2.1.1.0_infrastructure_generic.jar  -logLevel finer
```

To Log Time Usage Information:

Use the `-printtime` option from the command line when you start the installer. The `-printtime` option creates the `time<timestamp>.log` file, which contains information about the time taken to perform various elements of the requested Oracle Universal Installer operation (such as `-install`). For example:

```
java -jar fmw_12.2.1.1.0_infrastructure_generic.jar  -printtime
```

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

- `timeTakendate-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.

E.2 Configuration Log Files

To create a log file of your configuration session, start the Configuration Wizard with the `-log` option.

On UNIX operating systems:

```
ORACLE_HOME/oracle_common/common/bin/config.sh -log=log_filename -
log_priority=log_level
```

On Windows operating systems:

```
ORACLE_HOME\oracle_common\common\bin\config.cmd -log=log_filename -
log_priority=log_level
```

See the following table for more details about the `-log` and `-log_priority` options.

Table E-1   Configuration Wizard Log File Options

Table E-1   (Cont.) Configuration Wizard Log File Options

Option	Description

-log	Specify the location of your log file.
	
	If you specify an absolute path with your *log_filename* then your log file will be created there. If you only specify a file name with no path, then the log files are created in the `logs` directory in the Oracle home.
	
	Other values that can be specified with `-log` are:
	
	• `stdout`
	  This writes the error message to the standard output stream.
	• `stderr`
	  This writes the error messages to the standard error stream.
	• `disable`
	  This disables default logging so that no log files are generated in *ORACLE_HOME*`/logs` (on UNIX operating systems) or *ORACLE_HOME*`\logs` (on Windows operating systems).

-log_priority	Specify the level of detail you want included in your logs. The acceptable values are listed below, from most detailed to least detailed: • `debug` • `info` • `warning` • `error` • `fatal`