

**Oracle® Fusion Middleware**  
Installation Guide for Oracle Web Tier  
11g Release 1 (11.1.1)  
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# Preface

The *Oracle Fusion Middleware Installation Guide for Web Tier* provides information and instructions for installing, configuring, and troubleshooting Oracle Web Tier.

## Intended Audience

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

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

## Related Documents

For additional information, see the following manuals:

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

## Conventions

The following text conventions are used in this document:

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

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# Installation Overview

Oracle Web Tier contains two main components: Oracle HTTP Server and Oracle Web Cache. Oracle Process Manager and Notification Server (OPMN) is also installed by default. Together, these products are responsible for managing incoming HTTP requests, caching web messages, and sending XML and HTML back to the client.

The Oracle Web Tier installation will give you the option of installing Oracle HTTP Server and Oracle Web Cache. Oracle Process Manager and Notification Server is automatically installed and you will not have the option to de-select this product.

The chapter includes the following sections:

- [Section 1.1, "Oracle Web Tier Components"](#)
- [Section 1.2, "Installation Roadmap"](#)
- [Section 1.3, "Oracle Web Tier Directory Structure"](#)

## 1.1 Oracle Web Tier Components

Oracle Web Tier contains the following components:

- Oracle HTTP Server

Oracle HTTP Server provides a listener for Oracle WebLogic Server and the framework for hosting static pages, dynamic pages, and applications over the Web. It is based on Apache 2.2.10 infrastructure, and includes modules developed specifically by Oracle. The features of single sign-on, clustered deployment, and high availability enhance the operation of the Oracle HTTP Server.

- Oracle Web Cache

Oracle Web Cache is a content-aware server accelerator, or reverse proxy, for the Web tier that improves the performance, scalability, and availability of Web sites that run on Oracle HTTP Server. Oracle Web Cache is the primary caching mechanism provided with Oracle Fusion Middleware. Caching improves the performance, scalability, and availability of Web sites that run on Oracle WebLogic Server by storing frequently accessed URLs in memory.

- Oracle Process Manager and Notification Server (OPMN)

OPMN provides a command-line interface for you to monitor and manage Oracle Fusion Middleware components and sub-components. The OPMN server should be started as soon as possible after turning on the computer. OPMN must be running whenever OPMN-managed components are turned on or off.

For more information about these components, refer to *Oracle Fusion Middleware Concepts*.

## 1.2 Installation Roadmap

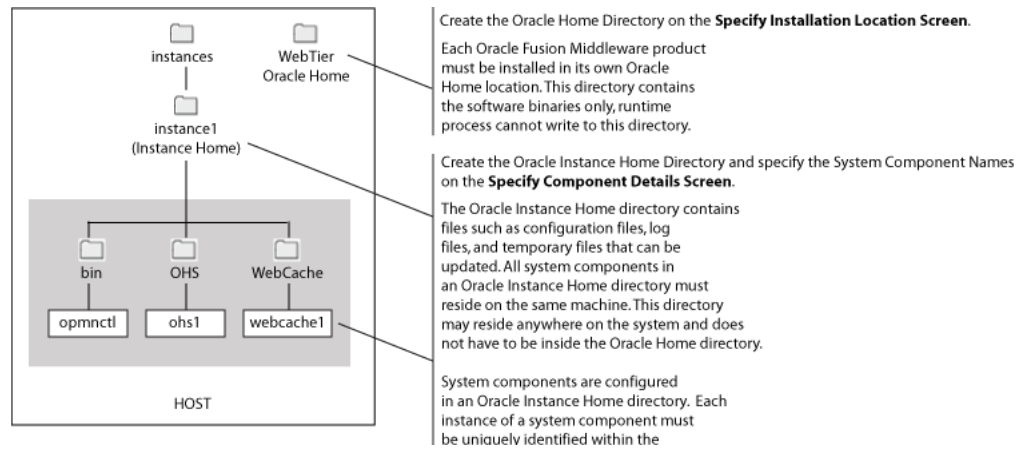
Table 1–1 describes the high-level tasks for installing and configuring Oracle Web Tier. The table also provides information on where to get more details on each task.

**Table 1–1 Tasks in the Oracle Web Tier Suite Installation Procedure**

Task	Description	Documentation	Mandatory or Optional?
Task 1 - Complete the installation planning requirements	Ensure that your system environment meets the general installation requirements for Oracle Fusion Middleware as well as Oracle Web Tier.	For system requirements information, go to: <a href="http://www.oracle.com/technology/software/products/ias/files/fusion_requirements.htm">http://www.oracle.com/technology/software/products/ias/files/fusion_requirements.htm</a> For certification information, go to: <a href="http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html">http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html</a>	Mandatory
Task 2 - Install Oracle WebLogic Server and create a WebLogic domain	Oracle Web Tier can be installed in stand-alone mode, or you can choose to associate your Web Tier components with an existing WebLogic domain.  If you choose to associate your components with a WebLogic domain, and you do not already have an existing WebLogic domain, you must first install Oracle WebLogic Server in order to create a domain before you install Oracle Web Tier.	Installation instructions for Oracle WebLogic Server are provided in <i>Oracle WebLogic Server Installation Guide</i> .	Optional
Task 3 - Install Oracle Web Tier	Use the installer to install and configure Oracle Web Tier.	<a href="#">Chapter 2, "Installing Oracle Web Tier"</a>	Mandatory
Task 4 - Configure Oracle Web Tier	The installer gives you the option of choosing between two different install types. If you choose the <b>Install and Configure</b> type, you can skip this step.  If you choose the <b>Install Software - Do Not Configure</b> type, you must run the Configuration Tool to configure your components before you are able to use them.	<a href="#">Chapter 2, "Installing Oracle Web Tier"</a>  For more information about the installation types, see <a href="#">Section 2.5.1, "Installation Types"</a> .	Optional

## 1.3 Oracle Web Tier Directory Structure

Figure 1–1 shows the directory structure of a simple Oracle Web Tier installation on a single host, using all of the default values.

**Figure 1–1 Directory Structure of Oracle Web Tier Installation**

For more information about the Oracle Home directory, refer to "Oracle Home Directory" in *Oracle Fusion Middleware Installation Planning Guide*.

For more information about the Oracle Instance directory and system components, refer to "Oracle Fusion Middleware Concepts for All Users" in *Oracle Fusion Middleware Installation Planning Guide*.



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## Installing Oracle Web Tier

This chapter describes how to install Oracle Web Tier Utilities Suite of products. During the install and configuration process, you will have the option to install and configure the following products:

- Oracle HTTP Server (OHS)
- Oracle Web Cache

Oracle Process Manager and Notification Server (OPMN) is installed and configured by default.

The following topics are covered:

- Section 2.1, "System Requirements and Certification"
- Section 2.2, "Installing on DHCP Hosts"
- Section 2.3, "Installing on a Non-Networked Computer"
- Section 2.4, "Installing on a Multihomed Computer"
- Section 2.5, "Installation Instructions"
- Section 2.6, "Post-Installation Tasks"
- Section 2.7, "Verifying the Installation"

### 2.1 System Requirements and Certification

Before performing any installation you should read the system requirements and certification documentation to ensure that your environment meets the minimum installation requirements for the products you are installing.

The system requirements document covers information such as hardware and software requirements, minimum disk space and memory requirements, and required system libraries, packages, or patches. This document can be found on Oracle Technology Network (OTN):

[http://www.oracle.com/technology/software/products/ias/files/fusion\\_requirements.htm](http://www.oracle.com/technology/software/products/ias/files/fusion_requirements.htm)

The certification document covers supported installation types, platforms, operating systems, databases, JDKs, and third-party products:

[http://www.oracle.com/technology/software/products/ias/files/fusion\\_certification.html](http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html)

## 2.2 Installing on DHCP Hosts

If you are installing Oracle Web Tier on a DHCP host, you must follow the configuration steps in this section for your platform.

### 2.2.1 For UNIX Platforms

On UNIX systems, configure the host to resolve hostnames to the loopback IP address by modifying the `/etc/hosts` file to contain the following entries:

```
127.0.0.1 hostname.domainname hostname
127.0.0.1 localhost.localdomain localhost
```

After doing so, check that the hostname resolves to the loopback IP address by entering the following command:

```
/bin/ping hostname.domainname
```

### 2.2.2 For Windows x86 Platforms

On Windows systems, install a loopback adapter on the DHCP server (see Section 2.2.3, "Installing a Loopback Adapter (Windows Only)"). This assigns a local IP address to your computer.

After installing the adapter, add a line to the `%SYSTEMROOT%\system32\drivers\etc\hosts` file with the following format, immediately after the `localhost` line:

```
IP_address hostname.domainname hostname
```

Replace `IP_address` with the local IP address of the loopback adapter.

### 2.2.3 Installing a Loopback Adapter (Windows Only)

To install a loopback adapter on Windows 2003 or Windows XP:

1. Open the Windows Control Panel.  
Windows 2003: Select **Start > Control Panel > Add Hardware**.  
Windows XP: Select **Start > Control Panel**, then double-click **Add Hardware**.
2. In the "Welcome" window, click **Next**.
3. In the "Is the hardware connected?" window, select **Yes, I have already connected the hardware**, then click **Next**.
4. In the "The following hardware is already installed on your computer" window, in the list of installed hardware, select **Add a new hardware device**, then click **Next**.
5. In the "The wizard can help you install other hardware" window, select **Install the hardware that I manually select from a list**, then click **Next**.
6. In the "From the list of hardware types, select the type of hardware you are installing" window, select **Network adapters**, then click **Next**.
7. In the "Select Network Adapter" window, make the following selections:
  - Manufacturer: Microsoft
  - Network Adapter: Microsoft Loopback Adapter
8. Click **Next**.
9. In the "The wizard is ready to install your hardware" window, click **Next**.



10. In the "Completing the Add Hardware Wizard" window, click **Finish**.
11. If you are using Windows 2003, restart your computer.
12. Right-click **My Network Places** on the desktop and choose **Properties**. This displays the Network Connections Control Panel.
13. Right-click the connection that was just created. This is usually named "Local Area Connection 2". Choose **Properties**.
14. On the "General" tab, select **Internet Protocol (TCP/IP)**, then click **Properties**.
15. In the "Properties" dialog box, click **Use the following IP address** and do the following:
  - a. IP Address: Enter a non-routable IP for the loopback adapter. Oracle recommends the following non-routable addresses:  
192.168.x.x (x is any value between 1 and 255)  
10.10.10.10
  - b. Subnet mask: Enter 255.255.255.0.
  - c. Record the values you entered, which you will need later in this procedure.
  - d. Leave all other fields empty.
  - e. Click **OK**.
16. In the "Local Area Connection 2 Properties" dialog, click **OK**.
17. Close Network Connections.
18. Restart the computer.

### 2.2.4 Removing a Loopback Adapter (Windows Only)

To remove a loopback adapter on Windows 2003 or Windows XP:

1. Start the System Control panel.  
Windows 2003: Select **Start > Control Panel > System**.  
Windows XP: Select **Start > Control Panel**, then double-click **System**.
2. In the "Hardware" tab, click **Device Manager**.
3. In the "Device Manager" window, expand **Network adapters**. You should see **Microsoft Loopback Adapter**.
4. Right-click **Microsoft Loopback Adapter** and select **Uninstall**.
5. Click **OK**.

## 2.3 Installing on a Non-Networked Computer

You can install Oracle Portal, Forms, Reports and Discoverer on a non-networked computer, such as a laptop. Because a non-networked computer has no access to other computers, you have to install all the components that you need on the computer.

In addition, you must follow the instructions in Section 2.2, "Installing on DHCP Hosts" to install a loopback adapter and modify the `hosts` file on your system.

## 2.4 Installing on a Multihomed Computer

You can install Oracle Web Tier on a multihomed computer. A multihomed computer is associated with multiple IP addresses. This is typically achieved by having multiple network cards on the computer. Each IP address is associated with a host name; additionally, you can set up aliases for each hostname.

The installer picks up the fully qualified domain name from the first entry in `/etc/hosts` (on UNIX) or `%SYSTEMROOT%\system32\drivers\etc\hosts` (on Windows) file. So if your file looks like the following:

```
127.0.0.1 localhost.localdomain localhost
10.222.333.444 myhost1.mycompany.com myhost1
20.222.333.444 devhost2.mycompany.com devhost2
```

`myhost1.mycompany.com` would be picked for configuration.

For specific network configuration of a system component, refer to the individual component's configuration documentation.

## 2.5 Installation Instructions

This section contains information and instructions for installing Oracle Web Tier. The following topics are covered:

- Section 2.5.1, "Installation Types"
- Section 2.5.2, "Installation Log Files"
- Section 2.5.3, "Starting the Installer"
- Section 2.5.4, "Inventory Screens (UNIX Only)"
- Section 2.5.5, "Installation Instructions for the "Install and Configure" Installation Type"
- Section 2.5.6, "Installation Instructions for the "Install Only" Installation Type"

### 2.5.1 Installation Types

The Oracle Web Tier installer provides two installation options:

- Installation Instructions for the "Install and Configure" Installation Type
- Installation Instructions for the "Install Only" Installation Type

The **Install and Configure** option will install the product binaries in an Oracle Home directory and create and configure a working instance in an Oracle Instance directory. After this is complete, you should be able to begin configuring and managing your products using the Administration Console or Enterprise Manager.

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**Note:** For more information about Oracle Home and Oracle Instance directories, refer to "Installation Overview" in *Oracle Fusion Middleware Installation Planning Guide*.

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For more information, refer to Section 2.5.5, "Installation Instructions for the "Install and Configure" Installation Type"

The **Install Software - Do Not Configure** option only installs the software binaries in an Oracle Home directory. You must then manually run the Configuration Tool from your `Web_Tier_ORACLE_HOME/bin` (for UNIX) or `Web_Tier_ORACLE_HOME\bin`

(for Windows) directory to configure your products before you can use them. This option can be used to quickly create multiple instances of the software that share a common disk.

For more information, refer to Section 2.5.6, "Installation Instructions for the "Install Only" Installation Type"

## 2.5.2 Installation Log Files

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

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

- *installdate-time-stamp.log*
- *installdate-time-stamp.out*
- *installActionsdate-time-stamp.log*
- *installProfiledate-time-stamp.log*
- *oraInstalldate-time-stamp.err*
- *oraInstalldate-time-stamp.log*

If you start the installer with the *-printtime* parameter, the *timeTakedate-time-stamp.log* file is created in the same directory.

## 2.5.3 Starting the Installer

To start the installer, insert the CD-ROM and run the following command:

On UNIX:

```
% ./runInstaller
```

On Windows:

```
G:\ setup.exe
```

## 2.5.4 Inventory Screens (UNIX Only)

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

Follow the instructions in Table 2-1 to configure the inventory directory information. For more help, click on the screen name in the table below, or click the **Help** button in the GUI.

**Table 2–1 Inventory Directory and Group Screens**

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

## 2.5.5 Installation Instructions for the "Install and Configure" Installation Type

Follow the instructions in Table 2–2 to install and configure Oracle Web Tier.

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

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

**Table 2–2 Install and Configure Flow**

No.	Screen	When Does This Screen Appear?	Description and Action Required
1	Welcome Screen	Always	Click <b>Next</b> to continue.
2	Select Installation Type Screen	Always	Select <b>Install and Configure</b> . Click <b>Next</b> to continue.
3	Prerequisite Checks Screen	Always	Click <b>Next</b> to continue.
4	Specify Installation Location Screen	Always	Specify the Oracle Home directory. Click <b>Next</b> to continue.
5	Configure Components Screen	Always	Select the component(s) you want to configure. Click <b>Next</b> to continue.
6	Specify WebLogic Domain Screen	Only if <b>Associate Selected Components with WebLogic Domain</b> is selected on the Configure Components Screen.	Specify the credentials for your existing WebLogic domain. Click <b>Next</b> to continue.
7	Specify Component Details Screen	Always	Specify the Oracle Instance location and names for your components. Click <b>Next</b> to continue.
8	Web Cache Administrator Password Screen	If you selected <b>Oracle Web Cache</b> on the Configure Components Screen	Specify the password for your Oracle Web Cache administrator. Click <b>Next</b> to continue.

**Table 2–2 (Cont.) Install and Configure Flow**

No.	Screen	When Does This Screen Appear?	Description and Action Required
9	Configure Ports Screen	Always	Select whether you want automatic or manual port configuration.  <b>NOTE</b> - If you choose to use the <code>staticports.ini</code> (or any custom port file), port numbers less than 1024 will not be validated by the installer. You will, however, be able to proceed with the installation.  See "Port Numbers" in <i>Oracle Fusion Middleware Administrator's Guide</i> for more information.  Click <b>Next</b> to continue.
10	Specify Oracle Configuration Manager Details Screen	Always	If you choose to configure Oracle Configuration Manager, provide your Email address to be informed of the latest product issues.  Click <b>Next</b> to continue.
11	Installation Summary Screen	Always	Verify the information on this screen.  Click <b>Install</b> to begin the installation.
12	Installation Progress Screen	Always	None.
13	Configuration Progress Screen	Always	None.
14	Install Completed Screen	Always	Click <b>Save</b> to save your configuration information to a file. This information includes port numbers, installation directories, URLs, and component names which you may need to access at a later time.  After saving your configuration information, click <b>Finish</b> to dismiss the installer.

## 2.5.6 Installation Instructions for the "Install Only" Installation Type

Follow the instructions in Table 2–3 to install Oracle Web Tier.

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

**Table 2–3 Installation Flow for Install Only Option**

No.	Screen	Description and Action Required
1	Welcome Screen	Click <b>Next</b> to continue.
2	Select Installation Type Screen	Select <b>Install Software - Do Not Configure</b> .  Click <b>Next</b> to continue.
3	Prerequisite Checks Screen	Click <b>Next</b> to continue.
4	Specify Installation Location Screen	Specify the Oracle Home location. The Oracle Home location must be inside the Middleware Home directory.  Click <b>Next</b> to continue.
5	Specify Oracle Configuration Manager Details Screen	If you choose to configure Oracle Configuration Manager, provide your email address to be informed of the latest product issues.  Click <b>Next</b> to continue.

**Table 2–3 (Cont.) Installation Flow for Install Only Option**

No.	Screen	Description and Action Required
6	Installation Summary Screen	Verify the information on this screen. Click <b>Install</b> to begin the installation.
7	Installation Progress Screen	Click <b>Finish</b> when the installation is completed to go to the next screen.
8	Install Completed Screen	Click <b>Finish</b> to dismiss the installer.

After the installation is complete, you must configure the components. This is done by running a separate configuration tool.

On UNIX systems:

```
Web_Tier_ORACLE_HOME/bin/config.sh
```

On Windows systems:

```
Web_Tier_ORACLE_HOME\bin\config.bat
```

---



---

**Note:** Make sure the Oracle Web Tier installer is not running; running the installer and Configuration Tool concurrently is not supported.

---



---

After you have started the Configuration Tool, follow the instructions in Table 2–4.

**Table 2–4 Configuration Flow**

No.	Screen	When Does This Screen Appear?	Description and Action Required
1	Welcome Screen	Always	Click <b>Next</b> to continue.
2	Configure Components Screen	Always	Select the component(s) you want to configure. Click <b>Next</b> to continue.
3	Specify WebLogic Domain Screen	Only if <b>Associate Selected Components with WebLogic Domain</b> is selected on the Configure Components Screen.	Select whether you want to create a new domain or join an existing domain. Click <b>Next</b> to continue.
4	Specify Component Details Screen	Always	Specify the Oracle Instance location and names for your components. Click <b>Next</b> to continue.
5	Web Cache Administrator Password Screen	If you selected <b>Oracle Web Cache</b> on the Configure Components Screen	Specify the password for your Oracle Web Cache administrator. Click <b>Next</b> to continue.

Table 2–4 (Cont.) Configuration Flow

No.	Screen	When Does This Screen Appear?	Description and Action Required
6	Configure Ports Screen	Always	Select whether you want automatic or manual port configuration.  <b>NOTE</b> - If you choose to use the <code>staticports.ini</code> (or any custom port file), port numbers less than 1024 will not be validated by the installer. You will, however, be able to proceed with the installation.  See "Port Numbers" in <i>Oracle Fusion Middleware Administrator's Guide</i> for more information.  Click <b>Next</b> to continue.
7	Specify Oracle Configuration Manager Details Screen	Always	If you choose to configure Oracle Configuration Manager, provide your email address to be informed of the latest product issues.  Click <b>Next</b> to continue.
8	Installation Summary Screen	Always	Verify the information on this screen.  Click <b>Install</b> to begin the installation.
9	Configuration Progress Screen	Always	None.
10	Install Completed Screen	Always	Click <b>Save</b> to save your configuration information to a file. This information includes port numbers, installation directories, URLs, and component names which you may need to access at a later time.  After saving your configuration information, click <b>Finish</b> to dismiss the installer.

## 2.6 Post-Installation Tasks

After installation and configuration are complete, there may be some post-installation tasks you need to perform, depending on your specific topology and configuration. The following topics are covered in this section:

- Configuring Routing Between Oracle HTTP Server and Oracle WebLogic Server
- Using Oracle Web Cache with Oracle BAM

### 2.6.1 Configuring Routing Between Oracle HTTP Server and Oracle WebLogic Server

By default, routing between Oracle HTTP Server and Oracle WebLogic Server is not configured. In order to allow requests to be proxied from Oracle HTTP Server to Oracle WebLogic Server, you must configure a plug-in.

For instructions on how to do this, see "mod\_wl\_ohs" in the *Oracle Fusion Middleware Administrator's Guide for Oracle HTTP Server*.

### 2.6.2 Using Oracle Web Cache with Oracle BAM

If you are using Oracle Web Cache with Oracle BAM, you must perform the configuration steps detailed in "Basic Tasks for Configuring and Monitoring Caching Rules" in *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache*.

Use the following Oracle BAM settings:

Expression Type : Regular Expression  
URL Expression : oracle.bam.web (or Event=viewReport, for the second rule)

```

HTTP Methods : Select all
Leave URL and POST Body Parameters empty.
POST Body Expression : .*
Caching Policy : Don't Cache
Leave Comment as it is.
Compression : Off
Enabled : yes
    
```

## 2.7 Verifying the Installation

You can perform any combination of the following tasks to verify that your installation was successful:

- Verify the Installation Logs
- Verifying the Domain Server Logs
- Verifying OPMN Status
- Check Browser URLs

### 2.7.1 Verify the Installation Logs

Check for the presence of installation log files in `logs` directory inside your Oracle Inventory directory. On UNIX systems, if you do not know the location of your Oracle Inventory directory, you can find it in the `WebTier_ORACLE_HOME/oraInst.loc` file. On Windows systems, the default location for the inventory directory is `C:\Program Files\Oracle\Inventory\logs`.

### 2.7.2 Verifying the Domain Server Logs

Check the domain server logs, which are located in the `servers` directory inside the domain home directory. For example, on UNIX systems:

```
Web_Tier_ORACLE_HOME/user_projects/domains/domain_name/servers/server_name
```

On Windows systems:

```
Web_Tier_ORACLE_HOME\user_projects\domains\domain_name\servers\server_name
```

### 2.7.3 Verifying OPMN Status

Run the `opmnctl status` command from the `INSTANCE_HOME/bin` (for UNIX) or `INSTANCE_HOME\bin` (for Windows) directory in your instance home location. For example:

```
> ./opmnctl status
```

```
Processes in Instance: instance2
```

ias-component	process-type	pid	status
webcache1	WebCache-admin	24057	Alive
webcache1	WebCache	24056	Alive
ohs1	OHS	23890	Alive

This information shows the components configured for this installation. The status "Alive" means the component is up and running.



## 2.7.4 Check Browser URLs

Run the `opmnctl status -l` command from the `INSTANCE_HOME/bin` (for UNIX) or `INSTANCE_HOME\bin` (for Windows) directory in your instance home location to obtain a list of ports used by the components. For example:

```
> ./opmnctl status -l
```

```
-----+-----+-----+-----+
-----+-----+-----+-----
ias-component          | process-type      |   pid | status |
uid | memused |   uptime | ports
-----+-----+-----+-----
webcache1              | WebCache-admin   | 24057 | Alive  |
1067146469 |    43712 | 14:43:29 | http_admin:7799
webcache1              | WebCache         | 24056 | Alive  |
1067146468 |    64072 | 14:43:29 | http_stat:7800,http_invalidation:7801,https_
listen:7802,http_listen:7798
ohs1                   | OHS              | 23890 | Alive  |
1067146467 |    50260 | 14:43:39 | https:9999,https:4447,http:7777
```

Use the port numbers in this display to point your browser to the appropriate pages. Use the format:

```
http://system_name:port_number
```

Based on the information above, you would use the URLs in Table 2–5 to access the various pages from this configuration:

**Table 2–5 Sample Web Tier URLs**

Page	Sample URL
Oracle HTTP Server	<code>http://system_name:7777</code>
Oracle HTTP Server SSL	<code>https://system_name:4447</code>
Oracle Web Cache	<code>http://system_name:7798</code>
Oracle Web Cache SSL	<code>https://system_name:7802</code>
Oracle Web Cache Administration	<code>https://system_name:7799</code>



---

---

## Deinstalling Oracle Web Tier

This chapter describes how to remove Oracle Web Tier from your system.

You should always use the instructions provided in this chapter for removing the software. If you try to remove the software manually, you may experience problems when you try to reinstall the software again at a later time. Following the procedures in this chapter will ensure that the software is properly removed. See Section 3.3, "Reinstallation" for more information.

- Section 3.1, "Deinstallation Options"
- Section 3.2, "Deinstallation Instructions"
- Section 3.3, "Reinstallation"

### 3.1 Deinstallation Options

The Oracle Web Tier deinstaller gives you the following software removal options:

- **Deinstall Oracle Home**  
This option removes everything under the Oracle Home from which the deinstaller is started. Be sure that no system components are using the Oracle Home you want to remove.
- **Deinstall ASInstances managed by WebLogic Domain**  
This options removes instances of your system components that are managed by a WebLogic domain. This happens if you select **Associate Selected Components with WebLogic Domain** on the Configure Components Screen. You will need to specify credentials to access your WebLogic domain.
- **Deinstall Unmanaged ASInstances**  
This option removes instances of your system components not associated with a WebLogic domain. Instances not associated with a WebLogic domain are created when you do not select **Associate Selected Components with WebLogic Domain** on the Configure Components Screen.

### 3.2 Deinstallation Instructions

Follow the instructions in this section to remove Oracle Web Tier.

#### 3.2.1 Starting the Deinstaller

Go to the *Web\_Tier\_ORACLE\_HOME/oui/bin* (for UNIX) or *Web\_Tier\_ORACLE\_HOME\oui\bin* (for Windows) directory and start the deinstaller.

On UNIX:

```
./runInstaller -deinstall
```

On Windows:

```
runInstaller.bat -deinstall
```

## 3.2.2 Deinstallation Instructions

Follow the instructions in Table 3–1 to deinstall Oracle Web Tier:

**Table 3–1 Deinstallation Flow**

No.	Screen	Description and Action Required
1	Welcome Screen	Click <b>Next</b> to continue.
2	Select Deinstallation Type Screen	Select the type of deinstallation you want to perform. <ul style="list-style-type: none"> <li>■ If you select <b>Deinstall Oracle Home</b>, go to Step 3 in the Deinstall Oracle Home section of this table.</li> <li>■ If you select <b>Deinstall AS Instances managed by WebLogic Domain</b>, go to Step 3 in the Deinstall AS Instances managed by WebLogic Domain section of this table.</li> <li>■ If you select <b>Deinstall unmanaged AS Instances</b>, go to Step 3 in the Deinstall unmanaged AS Instances section of this table.</li> </ul>
<b>Deinstall Oracle Home</b>		
3	Deinstall Oracle Home Screen	Verify the Oracle Home directory that is about to be deinstalled. Click <b>Next</b> to continue.
4	Deinstall Progress Screen	This screen shows the progress and status of the deinstallation.
5	Deinstall Complete Screen	Click <b>Finish</b> to dismiss the screen.
<b>Deinstall AS Instances managed by WebLogic Domain</b>		
3	Specify WebLogic Domain Detail Screen	Specify the credentials of your WebLogic Domain. Click <b>Next</b> to continue.
4	Select Instance or Home Screen	Select the Oracle Home or Oracle Instance you want to deinstall. Click <b>Next</b> to continue.
5	Deinstall Summary Screen (Managed Instance)	Verify the information on this screen. Click <b>Deinstall</b> to continue.
6	Deinstall Progress Screen	This screen shows the progress and status of the deinstallation.
7	Deinstall Complete Screen	Click <b>Finish</b> to dismiss the screen.
<b>Deinstall unmanaged AS Instances</b>		
3	Specify AS Instance Location Screen	Specify the location of your unmanaged Oracle Instance. Click <b>Next</b> to continue.
4	Deinstall Summary Screen (Unmanaged Instance)	Verify the information on this screen. Click <b>Deinstall</b> to continue.
5	Deinstall Progress Screen	This screen shows the progress and status of the deinstallation.
6	Deinstall Complete Screen	Click <b>Finish</b> to dismiss the screen.

### 3.3 Reinstallation

The installer does not allow reinstallation of Oracle Web Tier in a directory that already contains an Oracle instance. To reinstall Web Tier in the same directory as before, you must follow the instructions in this chapter to deinstall the software, then follow the instructions in Chapter 2, "Installing Oracle Web Tier" to reinstall the software.



---

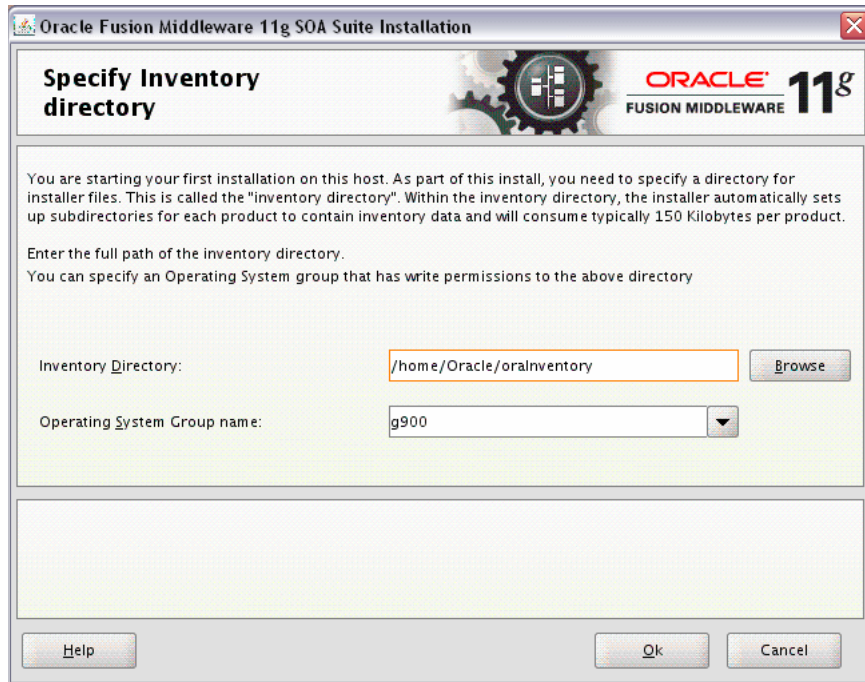
---

## Oracle Web Tier Installation Screens

This appendix contains screenshots and descriptions for all of the Oracle Web Tier installation screens:

- Welcome Screen
- Select Installation Type Screen
- Prerequisite Checks Screen
- Specify Installation Location Screen
- Configure Components Screen
- Specify WebLogic Domain Screen
- Specify Component Details Screen
- Web Cache Administrator Password Screen
- Configure Ports Screen
- Specify Oracle Configuration Manager Details Screen
- Installation Summary Screen
- Installation Progress Screen
- Configuration Progress Screen
- Install Completed Screen

## A.1 Specify Inventory Directory Screen (UNIX Only)



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

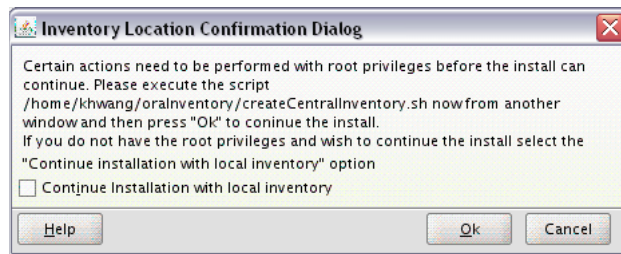
The default inventory location is *USER\_HOME/oraInventory*.

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

Click **OK** to continue.



## A.2 Inventory Location Confirmation Screen (UNIX Only)

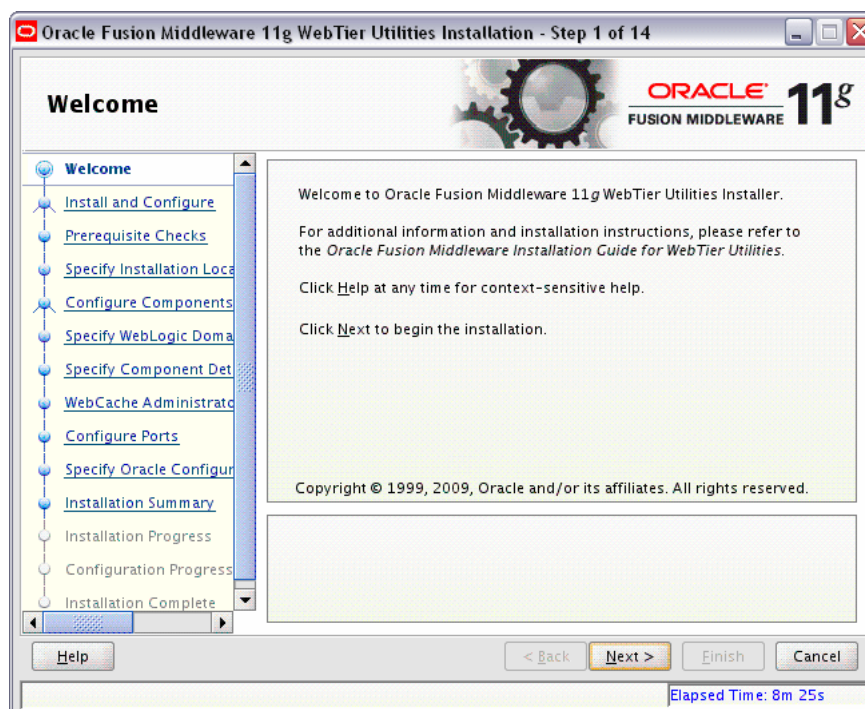


This screen appears for UNIX systems only; you are asked to run the `inventory_directory/createCentralInventory.sh` script as root.

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

Click **OK** to continue.

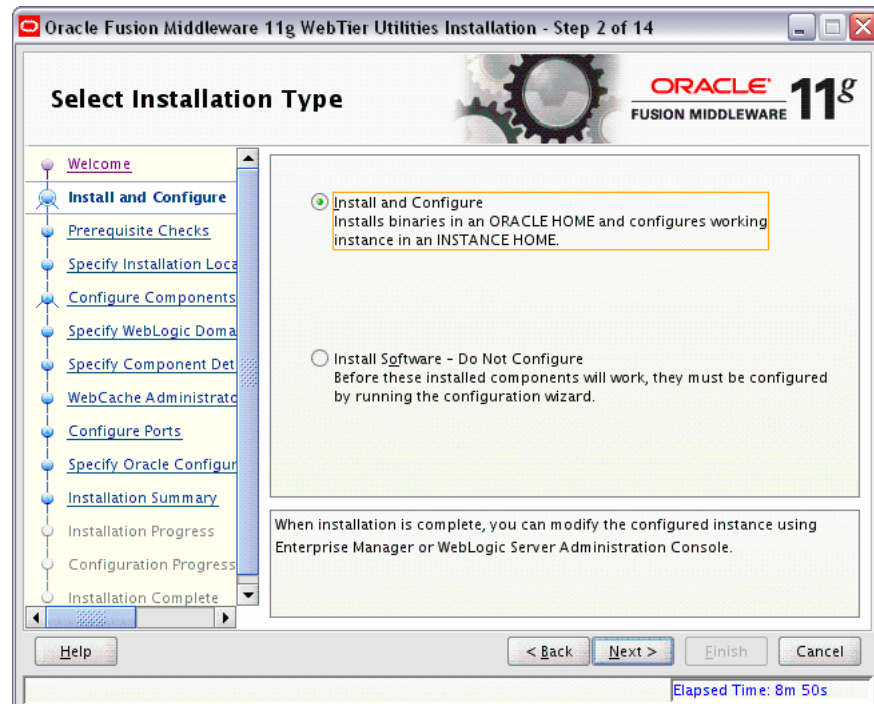
## A.3 Welcome Screen



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

Click **Next** to continue.

## A.4 Select Installation Type Screen



Select the type of installation you want to perform.

- **Install and Configure**

This option will install the product binaries in an Oracle Home directory and create and configure a working instance in an Oracle Instance directory. After this is complete, you should be able to begin configuring and managing your products using the Administration Console or Enterprise Manager.

---

**Note:** For more information about Oracle Home and Oracle Instance directories, refer to "Installation Overview" in *Oracle Fusion Middleware Installation Planning Guide*.

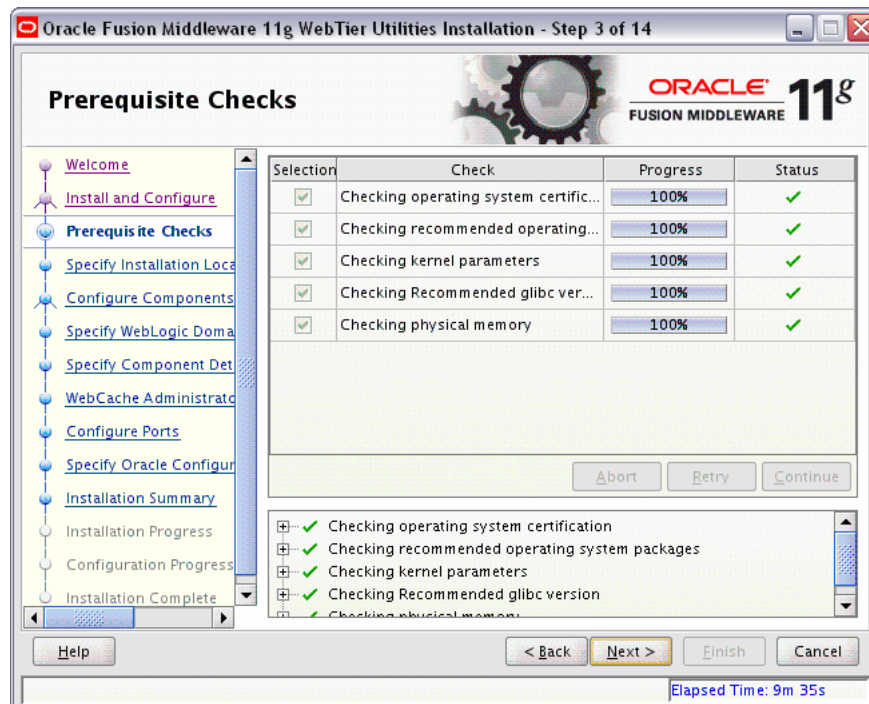
---

- **Install Software - Do Not Configure**

This option only installs the software binaries in an Oracle Home directory. You must then manually run the Configuration Tool from your `Web_Tier_ORACLE_HOME/bin` (for UNIX) or `Web_Tier_ORACLE_HOME\bin` (for Windows) directory to configure your products before you can use them. This option can be used to quickly create multiple instances of the software that share a common disk.

Click **Next** to continue.

## A.5 Prerequisite Checks Screen



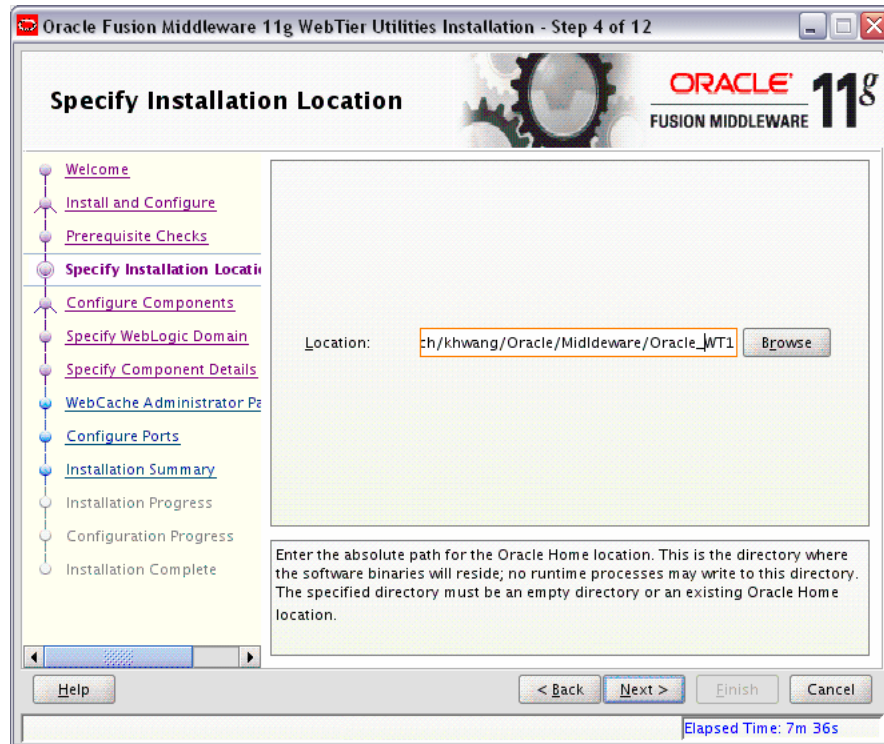
If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error and click **Retry** to try again.

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

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

When you are finished, click **Next** to continue.

## A.6 Specify Installation Location Screen



Specify the directory where you want to install your products.

---

**Note:** This installation directory will be referred to as *Web\_Tier\_ORACLE\_HOME* throughout the remainder of this document.

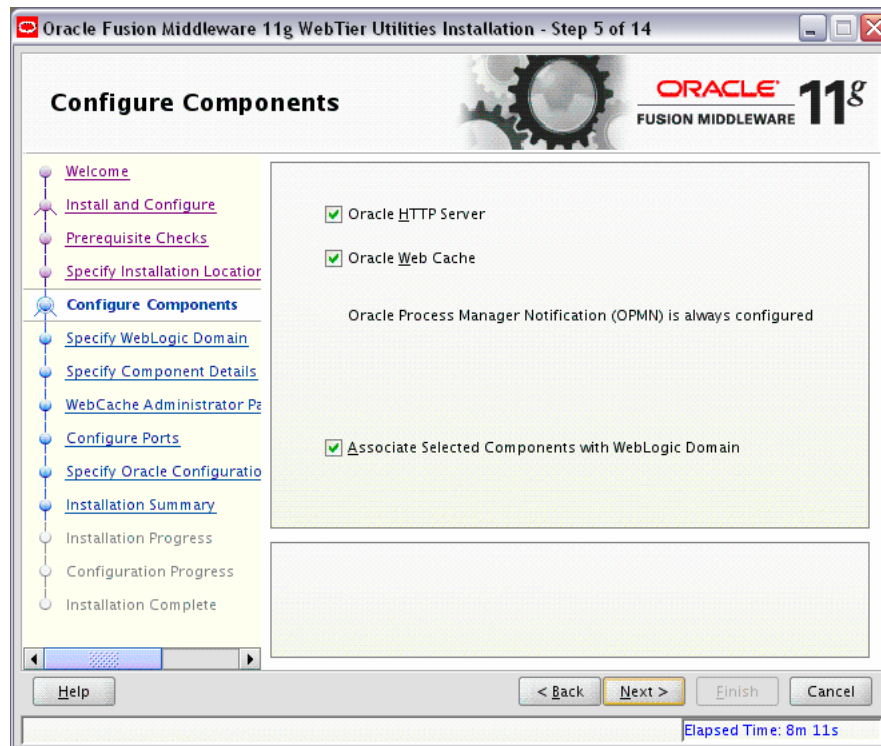
---

The Oracle Home directory is where your products will be installed. All software binaries will reside in this directory, and no runtime process can write to this directory.

For more information about the Oracle Home directory, refer to "Oracle Home Directory" in *Oracle Fusion Middleware Installation Planning Guide*.

Click **Next** to continue.

## A.7 Configure Components Screen

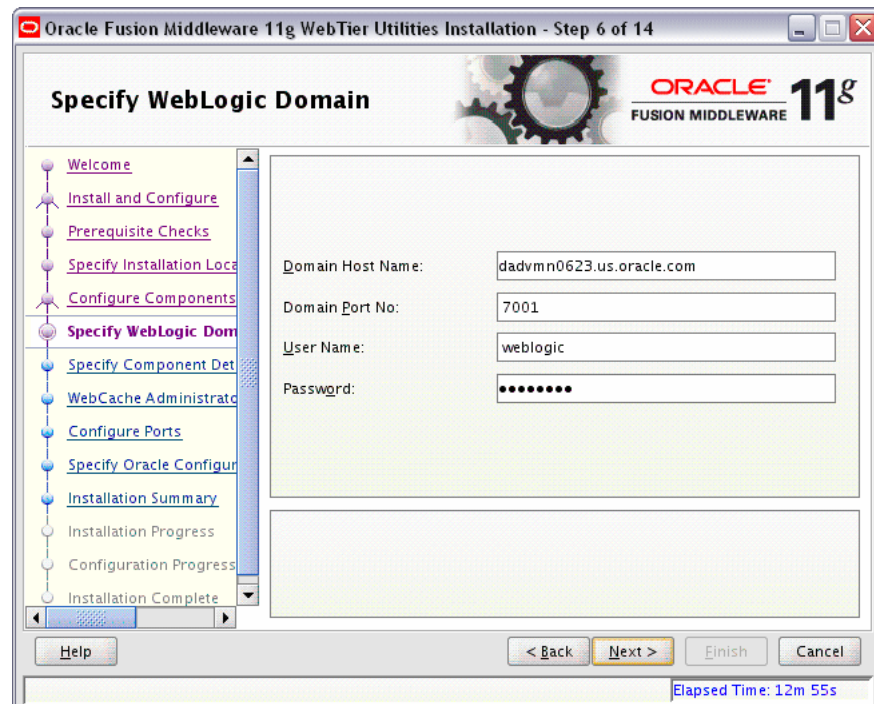


This screen shows the products and components that are available for installation and configuration. Select the component(s) you want to configure. Oracle Process Manager Notification (OPMN) is configured by default.

Select **Associate Selected Components with WebLogic Domain** if you want to make these components available for use by your applications in an existing WebLogic domain. By doing so, you will be able to manage them using Enterprise Manager (EM).

Click **Next** to continue.

## A.8 Specify WebLogic Domain Screen



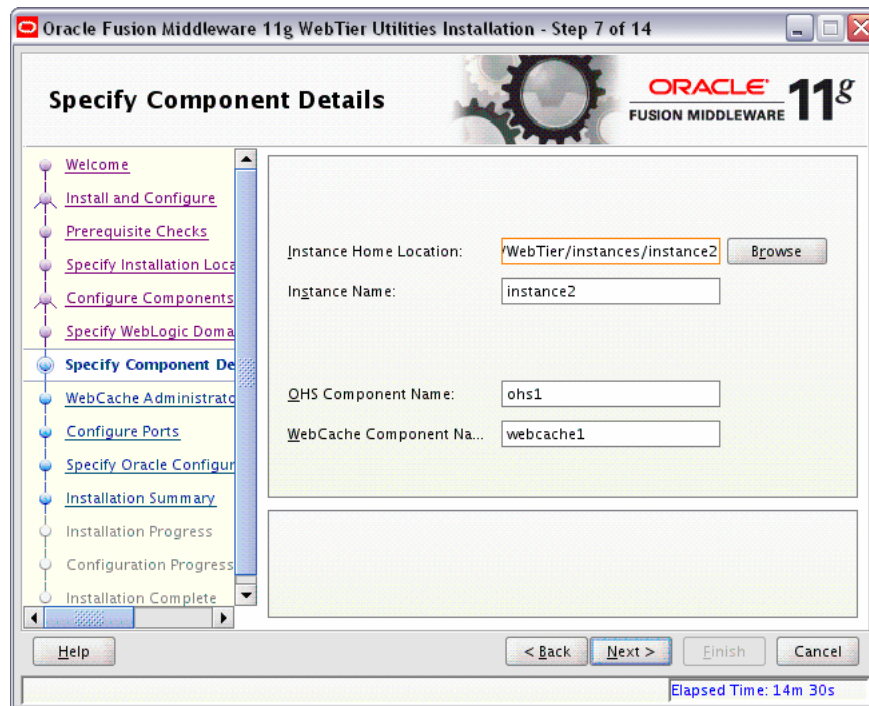
This screen only appears if you selected **Associate Selected Components with WebLogic Domain** on the Configure Components Screen.

Specify the following WebLogic Domain credentials:

- Domain Host Name  
Specify the WebLogic Domain host name. The default name is `localhost` (same system as the one where you are installing Oracle Web Tier).
- Domain Port No  
Specify the WebLogic Domain port number. The default port number is 7001.
- User Name  
Specify the user name. The default user name is `weblogic`.
- Password  
Specify the user password. Valid passwords are 5 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (`_`), dollar (`$`) or pound (`#`) characters and include at least one number.

Click **Next** to continue.

## A.9 Specify Component Details Screen



Specify the following component details:

- Instance Home Location
 

The absolute path to the directory where your Oracle Instance will reside. This is where application configuration files reside and where the application process runs from. Runtime components write only to this location.
- Instance Name
 

Specify the unique name of your Oracle Instance. The Oracle Instance name may only contain alphanumeric and underscore (\_) characters, it must begin with an alphabetic (a-z or A-Z) character, and must be 4 to 30 characters in length.
- OHS Component Name
 

Specify the name for your Oracle HTTP Server (OHS) component. This name may only contain alphanumeric and the hyphen (-) and underscore (\_) characters, and must be 4 to 30 characters in length.
- Web Cache Component Name
 

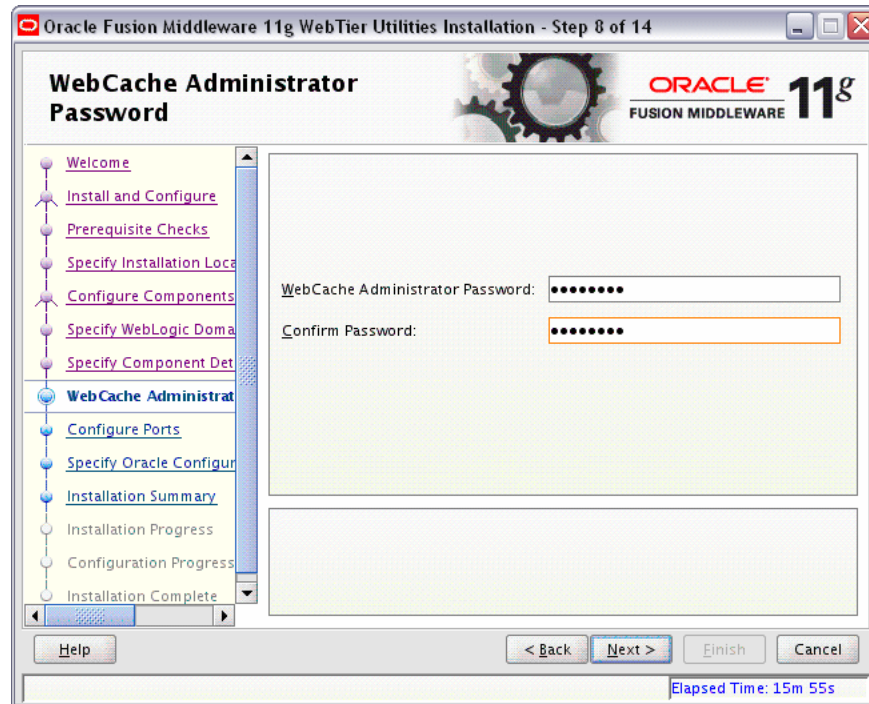
Specify the unique name of your Web Cache component. This name may only contain alphanumeric and underscore (\_) characters, it must begin with an alphabetic (a-z or A-Z) character, and must be 4 to 30 characters in length.

For more information, see "Oracle Fusion Middleware Concepts for All Users" in *Oracle Fusion Middleware Installation Planning Guide*.

Click **Next** to continue.



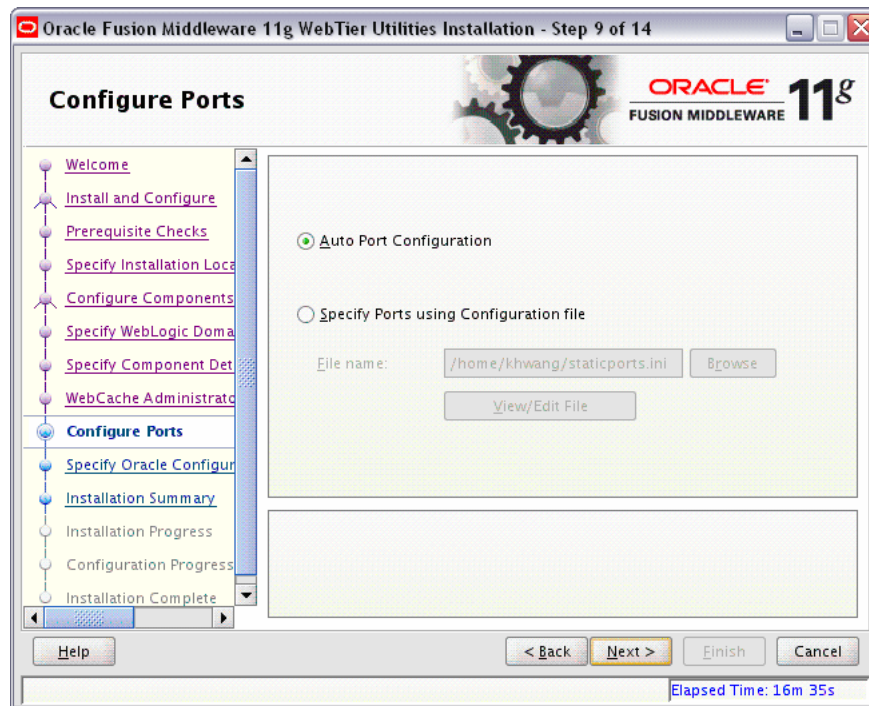
## A.10 Web Cache Administrator Password Screen



Specify the password for your Web Cache administrator. Valid passwords are 5 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (\_), dollar (\$) or pound (#) characters and include at least one number.

Click **Next** to continue.

## A.11 Configure Ports Screen



Select **Auto Port Configuration** if you want the installer to automatically assign the default ports to the components. For a list of default port numbers, refer to *Oracle Fusion Middleware Administrator's Guide*.

Select **Specify Ports Using File** if you have already created a port configuration file that specifies the port numbers that you want to use for each component. Enter the full path and filename of this file in the **Filename** field, or click **Browse** to locate an existing file on your system.

A default file called `staticports.ini` is provided in the `Disk1/stage/Response` (on UNIX) or `Disk1\stage\Response` (on Windows) directory on the CD-ROM. You can use this file as a template to create your own custom ports file.

---

**Note:** If you choose to use the `staticports.ini` (or any custom port file), port numbers less than 1024 will not be validated by the installer. You will, however, be able to proceed with the installation.

See "Port Numbers" in *Oracle Fusion Middleware Administrator's Guide* for more information.

---



---

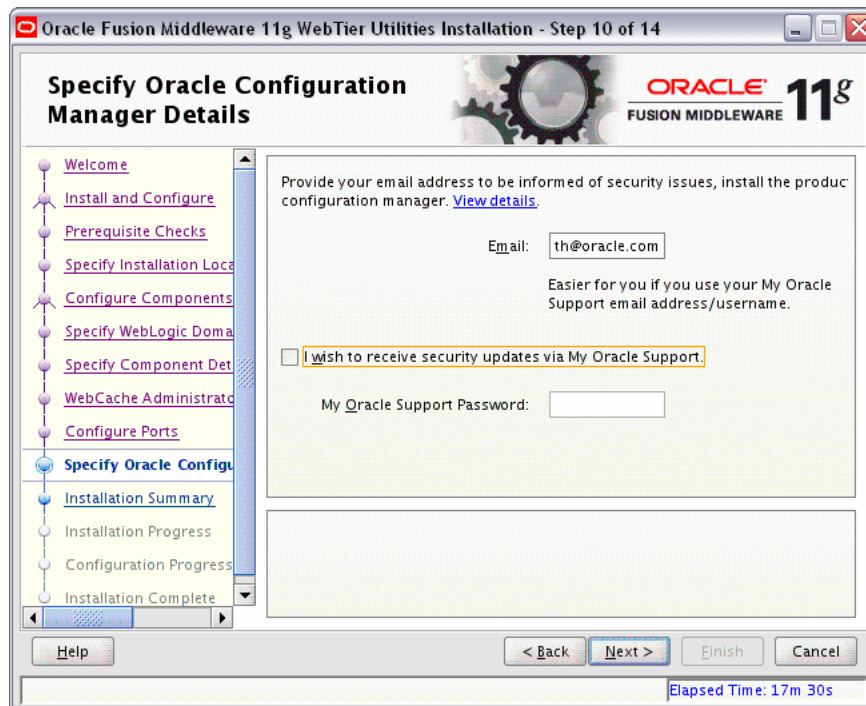
**Note:** If you choose to use the `staticports.ini` (or any custom port file), the `[OPMN]`, `[OHS]`, and `[Webcache]` sections are required for Oracle Web Tier and cannot be removed.

---

After providing the location and name of a valid file, click **View/Edit File** to view or edit the contents of the file.

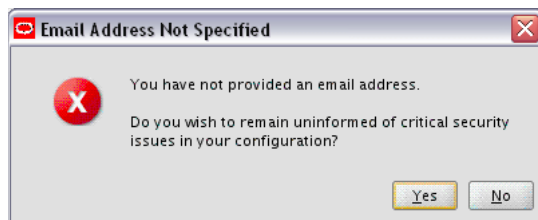
Click **Next** to continue.

## A.12 Specify Oracle Configuration Manager Details Screen



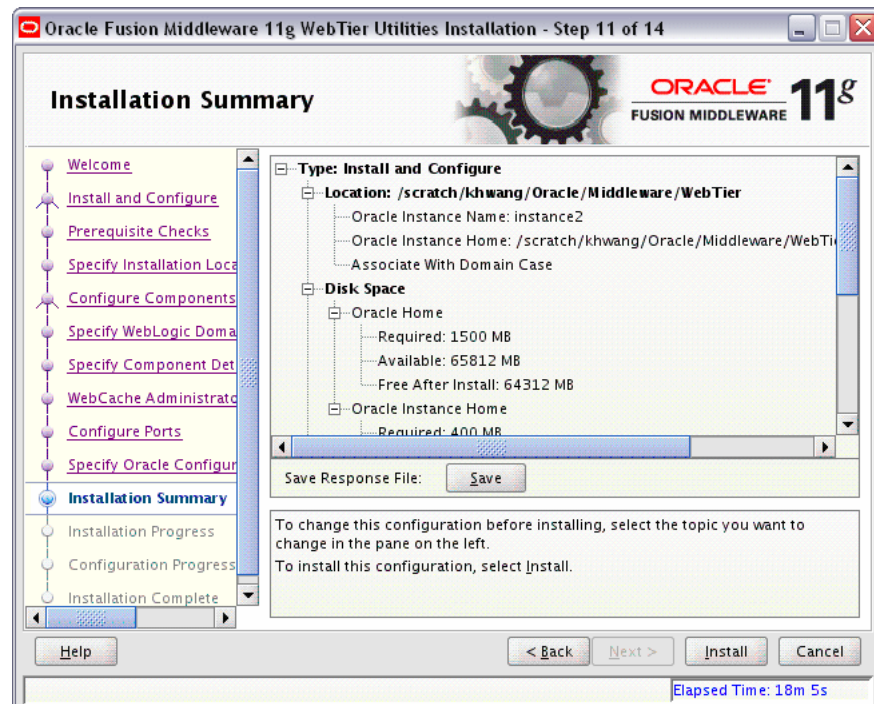
Enter your E-mail address if you want to receive the latest product information and security updates. If you have a My Oracle account and wish to receive updates via this mechanism, select **I wish to receive security updates via My Oracle Support**, then enter your account password.

If you do not wish to register for Oracle Configuration Manager, leave all the fields on this screen blank. You will be prompted to confirm your selection with the following screen:



Click **Yes** to confirm that you do not want to install Oracle Configuration Manager. When you are finished, click **Next** to continue.

## A.13 Installation Summary Screen

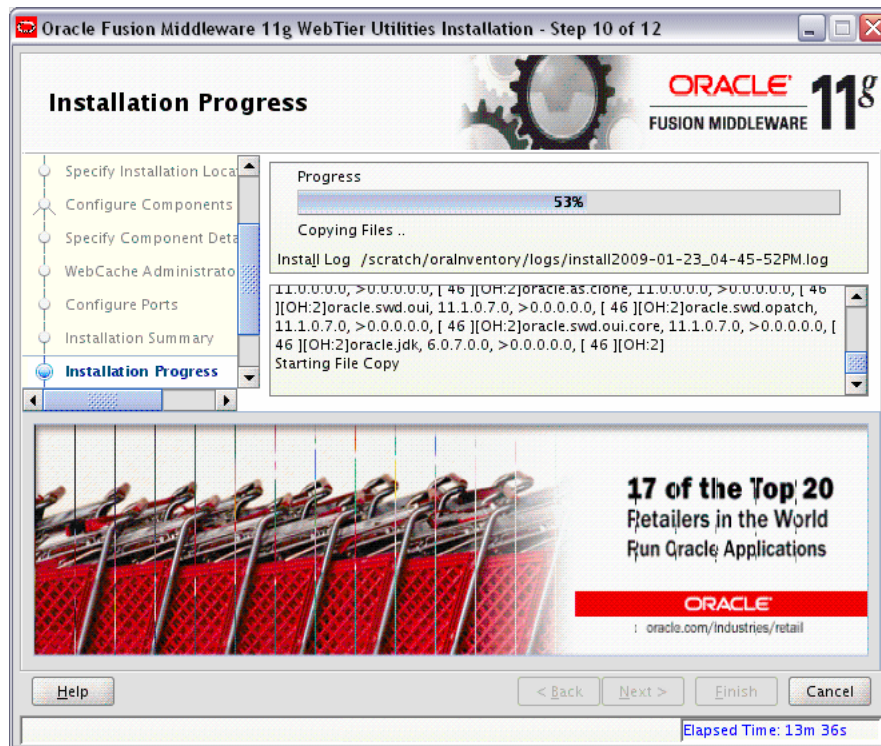


Review the information on this screen, and click **Install** to begin the installation. The operations summarized on this page will be performed when you click **Install**.

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

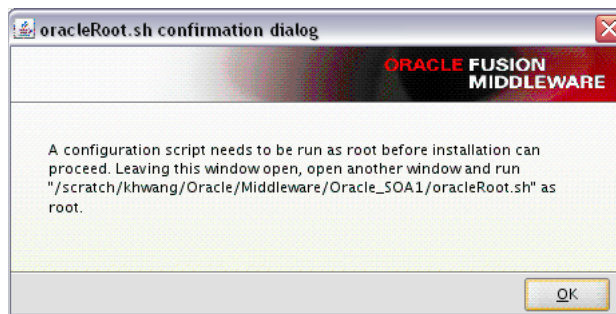
If you want to save this configuration to a text file (called a response file), click **Save**. You will be prompted for the location of name of the file you want to create (for example, `silent_install.rsp`). This file can be used later if you choose to perform the same installation from the command line. Some sample response files are provided on the CD-ROM in the `Disk1/stage/Response` (on UNIX) or `Disk1\stage\ Response` (on Windows) directory. See Appendix C, "Silent Installation" for more information.

## A.14 Installation Progress Screen



This screen shows you the progress of the installation.

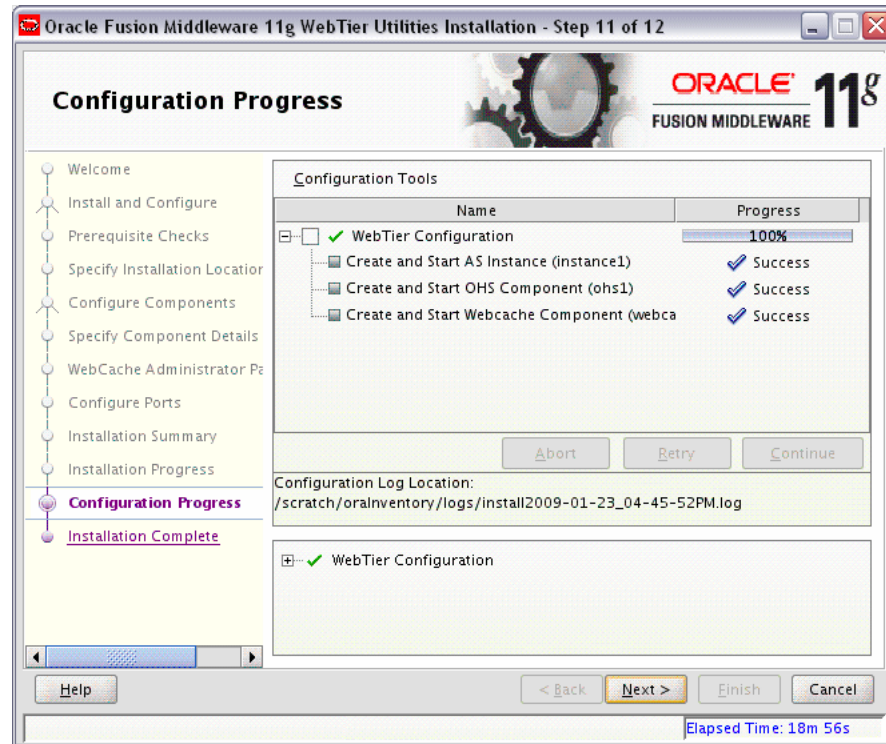
If you are installing on a UNIX system, you may be asked to run the `Web_Tier_ORACLE_HOME/oracleRoot.sh` script as root user before the installation is completed:



This script sets up the proper permissions for the files and directories being installed.

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

## A.15 Configuration Progress Screen



This screen shows you the progress of the component configuration.

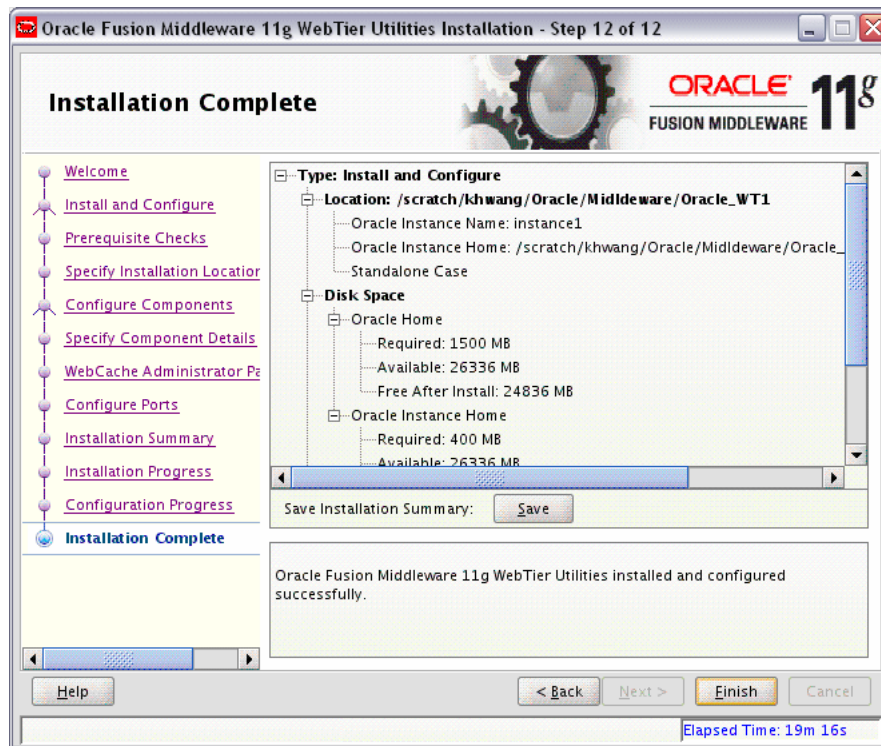
If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error and click **Retry** to try again.

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

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

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

## A.16 Install Completed Screen



This screen summarizes the installation that was just completed.

At the end of the summary information, there is a section called Accessible URLs which give you the links needed to access the configured Oracle HTTP Server and Oracle Web Cache. You should make a note of these URLs so you can access these pages when you need to.

---

**Note:** This summary information does not appear on the Installation Complete screen if you chose **Install Software - Do Not Configure** on the Select Installation Type Screen.

---

You can also save this summary information to a file for future reference by clicking **Save**. You will be prompted to specify a name and location for your summary file.

Click **Finish** to dismiss the screen.



---

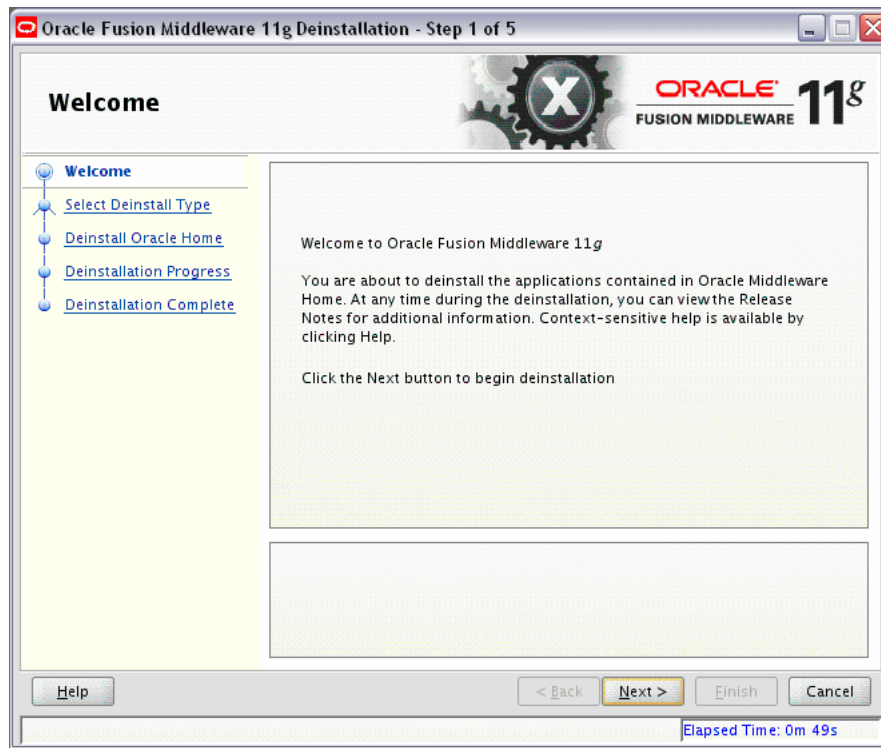
---

## Oracle Web Tier Deinstallation Screens

This appendix contains screenshots and descriptions for all of the Oracle Web Tier deinstallation screens:

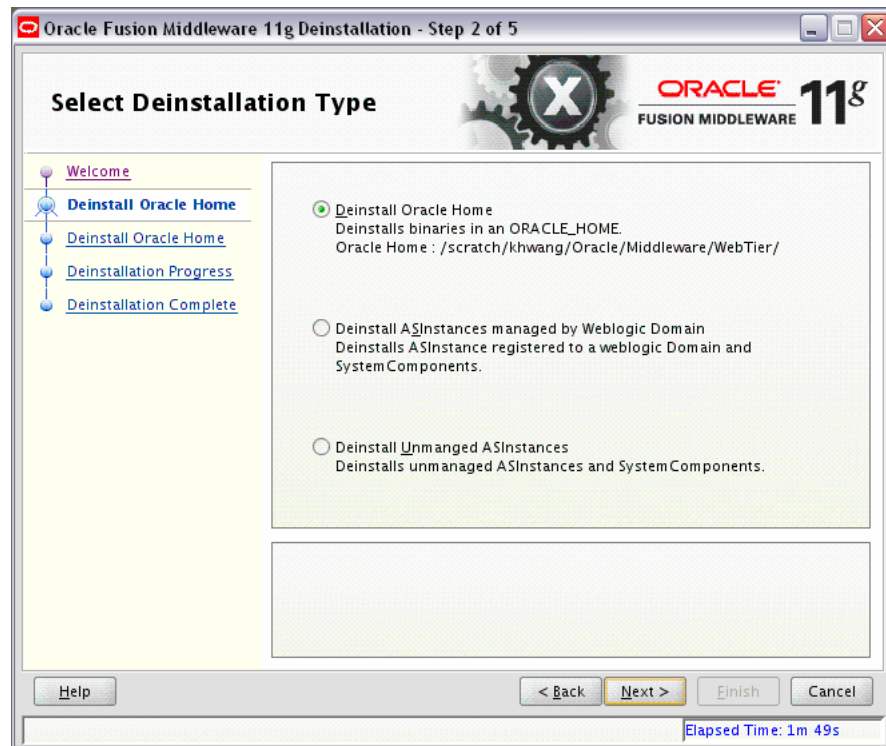
- [Welcome Screen](#)
- [Select Deinstallation Type Screen](#)
- [Deinstall Oracle Home Screen](#)
- [Specify WebLogic Domain Detail Screen](#)
- [Select Instance or Home Screen](#)
- [Specify AS Instance Location Screen](#)
- [Deinstall Summary Screen \(Unmanaged Instance\)](#)
- [Deinstall Summary Screen \(Managed Instance\)](#)
- [Deinstall Progress Screen](#)
- [Deinstall Complete Screen](#)

## B.1 Welcome Screen



The Welcome screen is the first screen that appears when you start the deinstaller. Click **Next** to continue.

## B.2 Select Deinstallation Type Screen

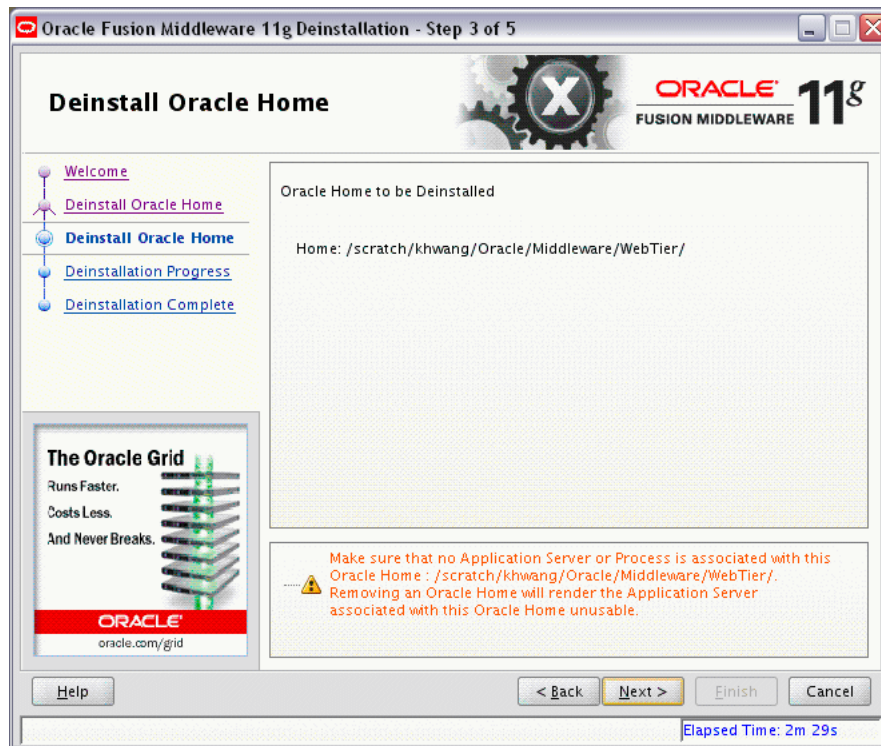


Select the type of deinstallation you want to perform:

- **Deinstall Oracle Home**  
Select this option to deinstall all binaries in the specified Oracle Home directory (the directory from which you started the deinstaller).
- **Deinstall ASInstances managed by WebLogic Domain**  
Select this option to deinstall a specific Oracle Instance and its system components that are registered to a WebLogic Domain.
- **Deinstall Unmanaged ASInstances**  
Select this option to deinstall all unmanaged Oracle Instances and their system components.

Click **Next** to continue.

## B.3 Deinstall Oracle Home Screen

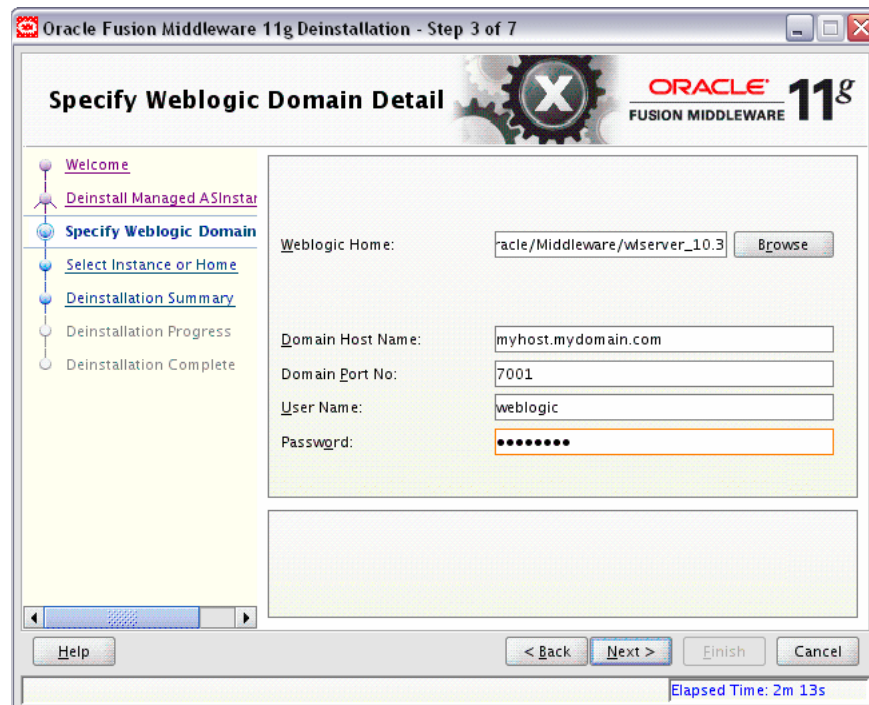


This screen only appears if you selected **Deinstall Oracle Home** on the [Select Deinstallation Type Screen](#).

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

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

## B.4 Specify WebLogic Domain Detail Screen



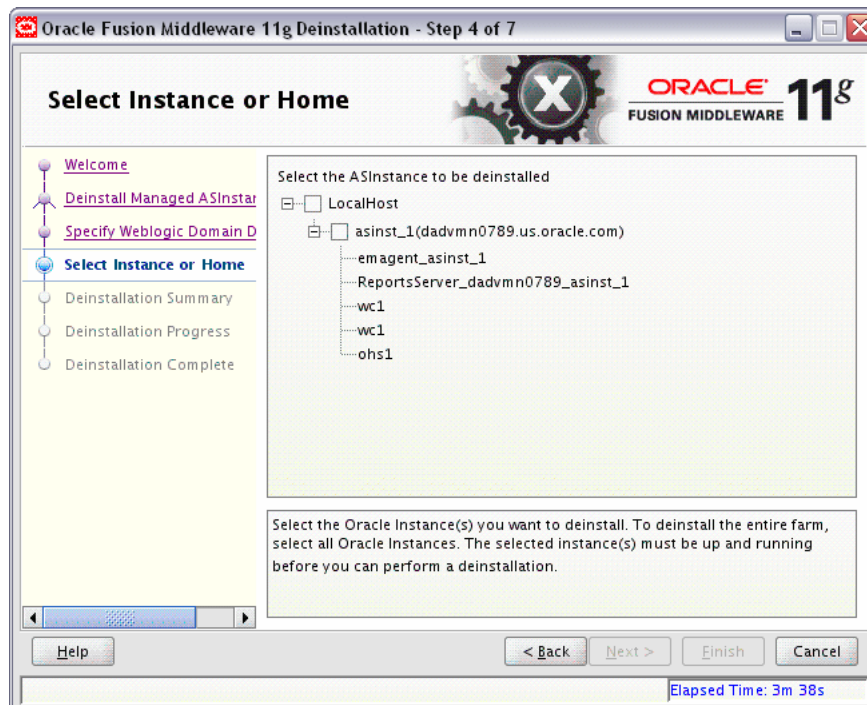
This screen only appears if you selected **Deinstall ASInstances managed by WebLogic Domain** on the [Select Deinstallation Type Screen](#).

Specify the WebLogic Domain credentials:

- **WebLogic Home**  
The absolute path to your WebLogic Home directory. If you are unsure where this directory is located, click **Browse** to find the directory on your system.
- **Domain Host Name**  
The name of the system on which the WebLogic Domain is running.
- **Domain Port No**  
Listen port number of the domain. The default port number is 7001.
- **User Name**  
The WebLogic Domain user name.
- **Password**  
The password of the WebLogic Domain user.

Click **Next** to continue.

## B.5 Select Instance or Home Screen



This screen only appears if you selected **Deinstall ASInstances managed by WebLogic Domain** on the [Select Deinstallation Type Screen](#).

Select the managed instance you want to deinstall.

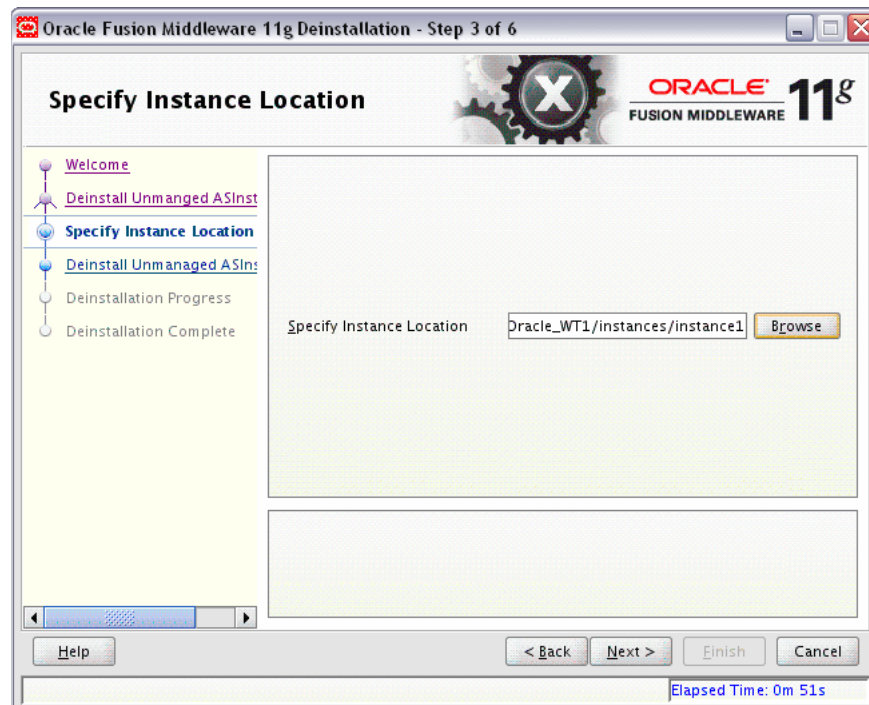
---

**Note:** The instance or instances selected for deinstallation must be up and running.

---

Click **Next** to continue.

## B.6 Specify AS Instance Location Screen

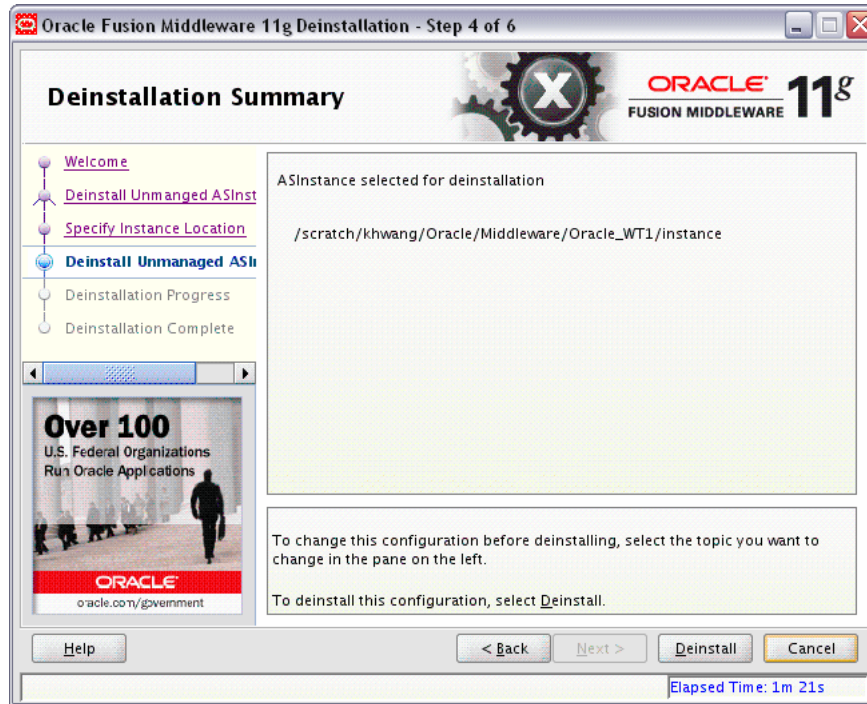


This screen only appears if you selected **Deinstall Unmanaged ASInstances** on the [Select Deinstallation Type Screen](#).

Specify the full path to your Oracle Instance directory. If you are unsure, click **Browse** to find this directory on your system.

Click **Next** to continue.

## B.7 Deinstall Summary Screen (Unmanaged Instance)



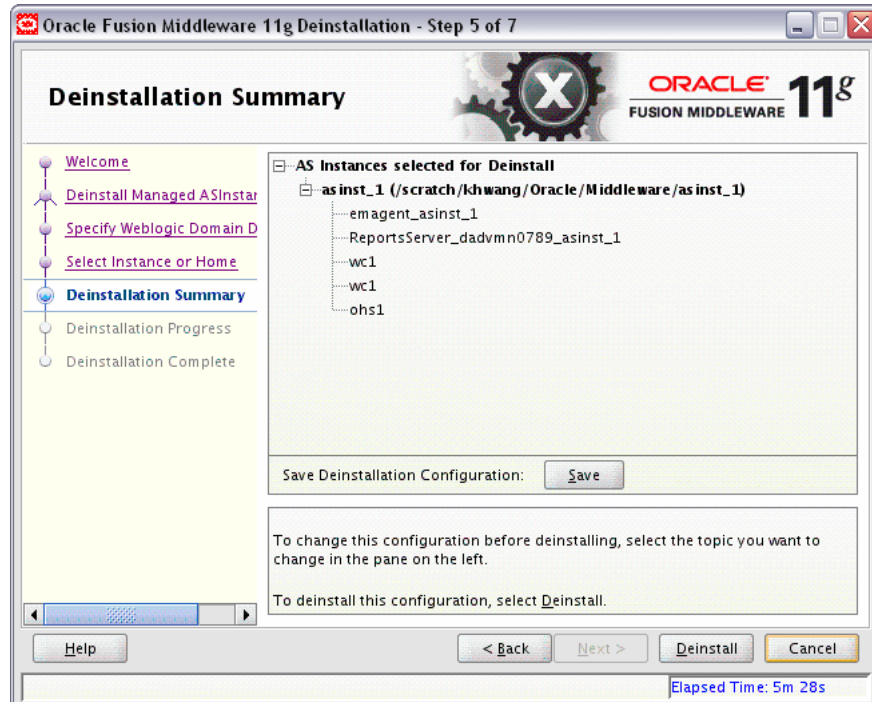
This screen only appears if you selected **Deinstall Unmanaged ASInstances** on the [Select Deinstallation Type Screen](#).

Verify that the specified instance is the one you want to deinstall.

Click **Deinstall** to begin the deinstallation.



## B.8 Deinstall Summary Screen (Managed Instance)

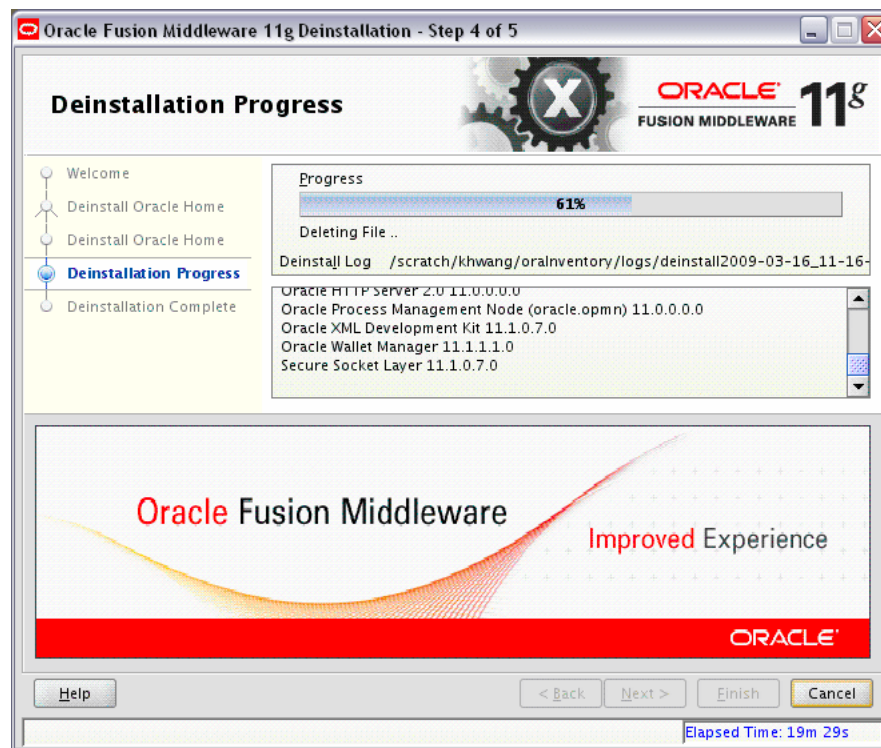


This screen only appears if you selected **Deinstall ASInstances managed by WebLogic Domain** on the [Select Deinstallation Type Screen](#).

Verify that the specified instance is the one you want to deinstall.

Click **Deinstall** to begin the deinstallation.

## B.9 Deinstall Progress Screen



This screen shows you the progress of the deinstallation.

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

## B.10 Deinstall Complete Screen



This screen summarizes the deinstallation that was just completed.

Click **Finish** to dismiss the screen.



---

---

## Silent Installation

This appendix describes how to install Oracle Web Tier from the command line in silent mode. This appendix contains the following topics:

- [Section C.1, "What is a Silent Installation?"](#)
- [Section C.2, "Creating Response Files"](#)
- [Section C.3, "Pre-Installation Tasks"](#)
- [Section C.4, "Silent Installation Instructions"](#)

### C.1 What is a Silent Installation?

Silent installation eliminates the need to monitor the Oracle Web Tier installation because no graphical output is displayed and no input by the user is required.

Silent installation of Oracle Web Tier is accomplished by supplying the installer with a response file and using the `-silent` flag on the command line. The response file is a text file containing variables and parameter values which provide answers to the installer prompts.

---

---

**Note:** For UNIX users, if this is a first time installation of Oracle Web Tier you must create the `oraInst.loc` file before starting. Please refer to [Section C.3.1, "UNIX Users: Creating the oraInst.loc File"](#) for more information.

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

---

---

---

---

**Note:** For Windows users, if this is a first time installation of Oracle Web Tier, you must create the registry keys before starting. Registry key creation is described in [Section C.3.2, "Windows Users: Creating the Registry Key"](#)

---

---

### C.2 Creating Response Files

Before doing a silent installation, you must provide information specific to your installation in a response file. 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

**Table C-1** lists the response files provided in the `Disk1/stage/Response` (on UNIX) or `Disk1\stage\Response` (on Windows) directory on the installation CD-ROM:

**Table C-1 Oracle Web Tier Installation and Configuration Response File Templates**

Template	Description
<code>WebTierConfigureOnly.rsp</code>	<p>This is the template response file that should be used if you have already installed the Oracle Web Tier software but have not yet run the Configuration Tool.</p> <p>The equivalent using the GUI would be running the <code>config.sh</code> (for UNIX) or <code>config.bat</code> (for Windows) script after you have already installed the software using the <b>Install Software - Do Not Configure</b> option on the <a href="#">Select Installation Type Screen</a>.</p> <p>See <a href="#">Section C.2.1, "Contents of the Web TierConfigureOnly.rsp File"</a> to view the contents of this file.</p>
<code>WebTierInstallAndConfigure.rsp</code>	<p>This is the template response file that should be used if you want to install and configure Oracle Web Tier products in one step.</p> <p>The equivalent using the GUI would be selecting <b>Install and Configure</b> option on the <a href="#">Select Installation Type Screen</a>.</p> <p>See <a href="#">Section C.2.2, "Contents of the Web TierInstallAndConfigure.rsp File"</a> to view the contents of this file.</p>
<code>WebTierSoftwareOnly.rsp</code>	<p>This is the template response file that should be used if you only want to install the software on your system. You must run the Configuration Tool (either from the command line or the GUI) later before you can begin to manage these products.</p> <p>The equivalent using the GUI would be selecting <b>Install Software - Do Not Configure</b> option on the <a href="#">Select Installation Type Screen</a>.</p> <p>See <a href="#">Section C.2.3, "Contents of the Web TierSoftwareOnly.rsp File"</a> to view the contents of this file.</p>

In addition to these pre-existing response files, you can create your own response file by running the install GUI, then clicking **Save** on the [Installation Summary Screen](#). You will be prompted for a name and location where you want to create this response file. After it is created, you can use it exactly as-is to replicate the installation on other systems, or modify it as needed.

### C.2.1 Contents of the `Web TierConfigureOnly.rsp` File

This section shows the contents of the `Disk1/stage/Response/WebTierConfigureOnly.rsp` response file on a UNIX system:

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#The name of the Oracle Instance. Instance name must begin with an alphabetic
character, may only contain alphanumeric characters, or the underscore (_) or
hyphen (-) characters and are 4 to 30 characters long.
INSTANCE_HOME=/oracle/product/11.1.1/as_1/instances/instance1

#Provide the Oracle Instance location. The Oracle Instance directory name may only
contain alphanumeric , hyphen (-) , dot (.) and underscore (_) characters, and it
```

must begin with an alphanumeric character. The total length has to be less than or equal to 128 characters. The location has to be an empty or non existing directory.

```
INSTANCE_NAME=instance1
```

```
#If set to true, installer will auto assign ports
AUTOMATIC_PORT_DETECT=true
```

```
#This is required if "AUTOMATIC_PORT_DETECT" variable is set to false, absolute
path of a staticports file location need to be provided with values for
ports.\n\nThe template for staticports.ini can be found from Disk1/staget/Response
directory of the shiphome.
```

```
STATICPORT_INI_FILE_LOCATION=
```

```
[SYSTEM]
```

```
#Set true to create a new instance and configure Oracle Process Management
Notification, else skip the configuration
CONFIGURE_OPMN=true
```

```
#Set true to configure Oracle HTTP Server, else skip Oracle HTTP Server
configuration
CONFIGURE_OHS=true
```

```
#Set true to configure Oracle Web Cache, else skip Oracle Web Cache configuration
CONFIGURE_WEBCACHE=true
```

```
#The Oracle HTTP Server (OHS) component name (required only if CONFIGURE_OHS is
set to true). OHS component name must begin with an alphabetic character, may only
contain alphanumeric characters, or the underscore (_) or hyphen (-) characters
and are 4 to 30 characters long.
```

```
OHS_COMPONENT_NAME=ohs1
```

```
#The Web Cache component name (required only if CONFIGURE_WEBCACHE is set to
true). Web Cache component name must begin with an alphabetic character, may only
contain alphanumeric characters, or the underscore (_) or hyphen (-) characters
and are 4 to 30 characters long.
```

```
WEBCACHE_COMPONENT_NAME=webcache1
```

```
#Valid passwords are 5 to 30 characters long, must begin with an alphabetic
character, use only alphanumeric, underscore (_), dollar ($) or pound (#)
characters and include at least one number.
```

```
WEBCACHE_ADMINISTRATOR_PASSWORD=<SECURE VALUE>
```

```
#The confirmation password for Web Cache administrator.
```

```
WEBCACHE_ADMINISTRATOR_PASSWORD_CONFIRM=<SECURE VALUE>
```

```
[APPLICATIONS]
```

```
[RELATIONSHIPS]
```

```
#If set to true, the instance and components will be registered with an existing
weblogic server
```

```
ASSOCIATE_WEBTIER_WITH_DOMAIN=true
```

```
#Provide the exiting Middleware Home location. This is required only if ASSOCIATE_
WEBTIER_WITH_DOMAIN is set to true.
```

```

MIDDLEWARE_HOME=/Oracle/Middleware

#Provide an existing domain host name. Required only if ASSOCIATE_WEBTIER_WITH_
DOMAIN is set to true
DOMAIN_HOST_NAME=machinename.machinedomain

#Provide the existing domain port number. Required only if ASSOCIATE_WEBTIER_WITH_
DOMAIN is set to true
DOMAIN_PORT_NO=7001

#Provide the domain user name. Required only if ASSOCIATE_WEBTIER_WITH_DOMAIN is
set to true
DOMAIN_USER_NAME=weblogic

#The domain user password. Required only if ASSOCIATE_WEBTIER_WITH_DOMAIN is set
to true
DOMAIN_USER_PASSWORD=<SECURE VALUE>

```

## C.2.2 Contents of the Web TierInstallAndConfigure.rsp File

This section shows the contents of the Disk1/stage/Response/Web TierInstallAndConfigure.rsp response file on a UNIX system:

```

[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#Set this to true if installation and configuration need to be done, all other
required variables need to be provided. Variable "INSTALL AND CONFIGURE LATER
TYPE" must be set to false if this is set to true as the variables are mutually
exclusive
INSTALL AND CONFIGURE TYPE=true

#Set this to true if only Software only installation need to be done. If this is
set to true then variable "INSTALL AND CONFIGURE TYPE" must be set to false, since
the variables are mutually exclusive.
INSTALL AND CONFIGURE LATER TYPE=false

#Provide the Oracle Home location. The Oracle Home directory name may only contain
alphanumeric , hyphen (-) , dot (.) and underscore (_) characters, and it must
begin with an alphanumeric character. The total length has to be less than or
equal to 128 characters. The location has to be an empty directory or a valid Web
Tier Oracle Home.
ORACLE_HOME=/oracle/product/11.1.1/as_1

#The name of the Oracle Instance. Instance name must begin with an alphabetic
character, may only contain alphanumeric characters, or the underscore (_) or
hyphen (-) characters and are 4 to 30 characters long.
INSTANCE_HOME=/oracle/product/11.1.1/as_1/instances/instance1

#Provide the Oracle Instance location. The Oracle Instance directory name may only
contain alphanumeric , hyphen (-) , dot (.) and underscore (_) characters, and it
must begin with an alphanumeric character. The total length has to be less than or
equal to 128 characters. The location has to be an empty or non existing
directory.
INSTANCE_NAME=instance1

```



```
#If set to true, installer will auto assign ports
AUTOMATIC_PORT_DETECT=true

#This is required if "AUTOMATIC_PORT_DETECT" variable is set to false, absolute
path of a staticports file location need to be provided with values for
ports.\n\nThe template for staticports.ini can be found from Disk1/staget/Response
directory of the shiphome.
STATICPORT_INI_FILE_LOCATION=

[SYSTEM]

#Set true to create a new instance and configure Oracle Process Management
Notification, else skip the configuration
CONFIGURE_OPMN=true

#Set true to configure Oracle HTTP Server, else skip Oracle HTTP Server
configuration
CONFIGURE_OHS=true

#Set true to configure Oracle Web Cache, else skip Oracle Web Cache configuration
CONFIGURE_WEBCACHE=true

#The Oracle HTTP Server (OHS) component name (required only if CONFIGURE_OHS is
set to true). OHS component name must begin with an alphabetic character, may only
contain alphanumeric characters, or the underscore (_) or hyphen (-) characters
and are 4 to 30 characters long.
OHS_COMPONENT_NAME=ohs1

#The Web Cache component name (required only if CONFIGURE_WEBCACHE is set to
true). Web Cache component name must begin with an alphabetic character, may only
contain alphanumeric characters, or the underscore (_) or hyphen (-) characters
and are 4 to 30 characters long.
WEBCACHE_COMPONENT_NAME=webcache1

#Valid passwords are 5 to 30 characters long, must begin with an alphabetic
character, use only alphanumeric, underscore (_), dollar ($) or pound (#)
characters and include at least one number.
WEBCACHE_ADMINISTRATOR_PASSWORD=<SECURE VALUE>

#The confirmation password for Web Cache administrator.
WEBCACHE_ADMINISTRATOR_PASSWORD_CONFIRM=<SECURE VALUE>

[APPLICATIONS]

[RELATIONSHIPS]

#If set to true, the instance and components will be registered with an existing
weblogic server
ASSOCIATE_WEBTIER_WITH_DOMAIN=true

#Provide the exiting Middleware Home location. This is required only if ASSOCIATE_
WEBTIER_WITH_DOMAIN is set to true.
MIDDLEWARE_HOME=/Oracle/Middleware

#Provide an existing domain host name. Required only if ASSOCIATE_WEBTIER_WITH_
DOMAIN is set to true
DOMAIN_HOST_NAME=machinename.machinedomain
```

```
#Provide the existing domain port number. Required only if ASSOCIATE_WEBTIER_WITH_
DOMAIN is set to true
DOMAIN_PORT_NO=7001

#Provide the domain user name. Required only if ASSOCIATE_WEBTIER_WITH_DOMAIN is
set to true
DOMAIN_USER_NAME=weblogic

#The domain user password. Required only if ASSOCIATE_WEBTIER_WITH_DOMAIN is set
to true
DOMAIN_USER_PASSWORD=<SECURE VALUE>
```

### C.2.3 Contents of the Web TierSoftwareOnly.rsp File

This section shows the contents of the Disk1/stage/Response/Web TierSoftwareOnly.rsp response file on a UNIX system:

```
[ENGINE]

#DO NOT CHANGE THIS.
Response File Version=1.0.0.0.0

[GENERIC]

#Set this to true if installation and configuration need to be done, all other
required variables need to be provided. Variable "INSTALL AND CONFIGURE LATER
TYPE" must be set to false if this is set to true as the variables are mutually
exclusive
INSTALL AND CONFIGURE TYPE=false

#Set this to true if only Software only installation need to be done. If this is
set to true then variable "INSTALL AND CONFIGURE TYPE" must be set to false, since
the variables are mutually exclusive.
INSTALL AND CONFIGURE LATER TYPE=true

#Provide the Oracle Home location. The Oracle Home directory name may only contain
alphanumeric , hyphen (-) , dot (.) and underscore (_) characters, and it must
begin with an alphanumeric character. The total length has to be less than or
equal to 128 characters. The location has to be an empty directory or a valid Web
Tier Oracle Home.
ORACLE_HOME=/oracle/product/11.1.1/as_1

[SYSTEM]

[APPLICATIONS]

[RELATIONSHIPS]
```

### C.2.4 Securing Your Silent Installation

Your response files contain certain passwords required by the installer. To find the places in the response file where passwords are required, search for the <SECURE VALUE> string and replace this value with the actual password. These passwords are stored in the response file clear text format. 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.

## C.3 Pre-Installation Tasks

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

The following topics are covered:

- [Section C.3.1, "UNIX Users: Creating the oraInst.loc File"](#)
- [Section C.3.2, "Windows Users: Creating the Registry Key"](#)

### C.3.1 UNIX Users: Creating the oraInst.loc File

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

1. Log in as the root user.

```
prompt> su
```

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

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

Replace `oui_inventory_directory` with the full path to the directory where you want the installer to create the inventory directory. Then, replace `oui_install_group` with the name of the group whose members have write permissions to this directory.

3. Exit from the root user.

```
# exit
```

### C.3.2 Windows Users: Creating the Registry Key

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

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

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

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

## C.4 Silent Installation Instructions

The syntax for running the installer from the command line on UNIX systems is shown below:

```
runInstaller [-mode] [-options] [(<CommandLinevariable=Value>)*]
```

On Windows systems:

```
setup.exe [-mode] [-options] [(<CommandLinevariable=Value>)*]
```

**Table C-2 Installer Command Line Parameters**

Parameter	Description
<b>Installation Modes - Only One Mode Can be Specified</b>	
-i -install	Launches the installer in GUI mode. This is the default mode and is used if no mode is specified on the command line.
-silent	Install in silent mode. The installer must be passed either a response file or command line variable value pairs.
-d -deinstall	Launches the installer in GUI mode for deinstallation.
-p -prerequisite	Launches the installer in GUI mode but only checks the prerequisites. No software is installed.
-v -validate	Launches the installer in GUI mode and performs all prerequisite and validation checking, but does not install any software.
-sv -silentvalidate	Performs all prerequisite and validation checking in silent mode. You must pass the installer either a response file or a series of command line variable value pairs.
<b>Installation Options</b>	
-help --help --usage	Displays the usage parameters for the <code>runInstaller</code> command.
-invPtrLoc <i>file</i>	Pointer to the inventory location file. Replace <i>file</i> with the full path and name of the <code>oraInst.loc</code> file.
-response <i>file</i> -responseFile <i>file</i>	Pointer to the response file. Replace <i>file</i> with the full path and name of the response file.
-jreLoc <i>location</i>	Pointer to the location where Java Runtime Environment (JRE) is installed. Replace <i>location</i> with the full path to the <code>jre</code> directory where your JRE is installed.
-logLevel <i>level</i>	Specify the level of logging performed by the installer; all messages with a lower priority than the specified <i>level</i> will be recorded. Valid levels are: <ul style="list-style-type: none"> <li>■ severe</li> <li>■ warning</li> <li>■ info</li> <li>■ config</li> <li>■ fine</li> <li>■ finer</li> <li>■ finest</li> </ul>
-debug	Obtain debug information from the installer.
-force	Allow the silent installation to proceed in a non-empty directory.
-printdiskusage	Log debugging information pertaining to disk usage.
-printmemory	Log debugging information pertaining to memory usage.

**Table C-2 (Cont.) Installer Command Line Parameters**

Parameter	Description
-printtime	Log debugging information pertaining to time usage. This command causes the <code>timeTakenTimestamp.log</code> file to be created.
-waitforcompletion	Windows only - the installer will wait for completion instead of spawning the Java engine and exiting.
-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 <i>file</i>	Specify the full path to the <code>oraparam.ini</code> file. This file is the initialization file for the installer. The default location of this file is <code>Disk1/install/platform</code> .
-novalidation	Disables all validation checking performed by the installer.
-nodefaultinput	For the GUI install, several screens have information or default values pre-populated. Specifying this option disables this behavior so that no information or values are pre-populated.
<b>Command Line Variables</b>	
Installer Variables	Installer variables are specified using <code>varName=value</code> . For example, on a UNIX system: <code>ORACLE_HOME=/home/Oracle/Middleware/as_1</code> On a Windows system: <code>ORACLE_HOME=C:\products\Oracle\Middleware\as_1</code>
Session Variables	Session variables are specified using <code>session:varName=value</code> .
Component Variables	Component variables are specified using <code>session:compInternalName:[Version:]varName=value</code> .

### C.4.1 Sample Commands

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

```
./runInstaller -silent -response file -invPtrLoc file
```

On a Windows system:

```
setup.exe -silent -response file -invPtrLoc file
```

Below is a full example of this command on a UNIX system:

```
./runInstaller -silent -response /home/Oracle/response/Web  
TierInstallAndConfigure.rsp -invPtrLoc /home/Oracle/oraInst.loc
```

On a Windows system:

```
setup.exe -silent -response C:\products\Oracle\response\Web  
TierInstallAndConfigure.rsp -invPtrLoc C:\products\Oracle\oraInst.loc
```

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

```
./runInstaller -silent -response file
```

On a Windows system:

```
setup.exe -silent -response file
```

Below is a full example of this command on a UNIX system:

```
./runInstaller -silent -response /home/Oracle/response/WebTierInstallAndConfigure.rsp
```

On a Windows system:

```
setup.exe -silent -response C:\products\Oracle\response\WebTierInstallAndConfigure.rsp
```

## C.4.2 Sample Output

Below is a sample output on a UNIX system from a silent install using the `WebTierSoftwareOnly.rsp` template:

```
Platform is Linux X86 32 bit
Starting Oracle Universal Installer...

Checking Temp space: must be greater than 80 MB.   Actual 65464 MB   Passed
Checking swap space: must be greater than 150 MB.   Actual 1590 MB   Passed
Preparing to launch Oracle Universal Installer from /tmp/OraInstall12009-03-26_01-50-03PM. Please wait ...[khwang@dadvmn0789 Disk1]$ Log:
/scratch/khwang/oraInventory/logs/install12009-03-26_01-50-03PM.log
Copyright © 1999, 2009, Oracle and/or its affiliates. All rights reserved.
Reading response file..
Expected result: One of
enterprise-4,enterprise-5,redhat-4,redhat-5,SuSE-10,asianux-2,asianux-3
Actual Result: redhat-4
Check complete. The overall result of this check is: Passed
CertifiedVersions Check: Success.
Checking for gcc-3.4.3-22.1; found gcc-3.4.6-10.0.1-i386.           Passed
Checking for gcc-c++-3.4.3-22.1; found gcc-c++-3.4.6-10.0.1-i386.       Passed
Checking for openmotif21-2.1.30-11.RHEL4.4 ; found
openmotif21-2.1.30-11.0.1.RHEL4.6-i386.           Passed
Checking for setarch-1.6-1; found setarch-1.6-1-i386.           Passed
Checking for pdksh-5.2.14-30; found pdksh-5.2.14-30.6-i386.       Passed
Checking for sysstat-5.0.5-1; found sysstat-5.0.5-19.el4-i386.   Passed
Checking for gnome-libs-1:1.4.1.2.90-44.1; found
gnome-libs-1:1.4.1.2.90-44.2-i386.           Passed
Checking for libstdc++-3.4.3-22.1 ; found libstdc++-3.4.6-10.0.1-i386.   Passed
Checking for libstdc++-devel-3.4.3-22.1; found libstdc++-devel-3.4.6-10.0.1-i386.
Passed
Checking for compat-libstdc++-296-2.96-132.7.2; found
compat-libstdc++-296-2.96-132.7.2-i386.   Passed
Checking for compat-db-4.1.25-9; found compat-db-4.1.25-9-i386.   Passed
Checking for control-center-2.8.0-12; found
control-center-1:2.8.0-12.rhel4.5-i386.   Passed
Checking for glibc-common-2.3.4-2.9; found glibc-common-2.3.4-2.41-i386.
Passed
Checking for binutils-2.15.92.0.2-13; found binutils-2.15.92.0.2-25-i386.
Passed
Checking for make-1:3.80-5; found make-1:3.80-7.EL4-i386.         Passed
Checking for xscreensaver-4.18-5.rhel4.2; found
xscreensaver-1:4.18-5.rhel4.14.0.1-i386.           Passed
```

```

Check complete. The overall result of this check is: Passed
Packages Check: Success.
Checking for VERSION=2.6.9; found VERSION=2.6.9-78.0.0.0.1.ELxenU.      Passed
Checking for hardnofiles=4096; found hardnofiles=4096.  Passed
Checking for softnofiles=4096; found softnofiles=4096.  Passed
Check complete. The overall result of this check is: Passed
Kernel Check: Success.
Expected result: ATLEAST=2.3.4-2.19
Actual Result: 2.3.4-2.41
Check complete. The overall result of this check is: Passed
GLIBC Check: Success.
Expected result: 922MB
Actual Result: 4000MB
Check complete. The overall result of this check is: Passed
TotalMemory Check: Success.
Verifying data.....
Copying Files...
-----20%-----40%-----60%-----80%-----100%

```

The installation of Oracle Web Tier 11g completed successfully.





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# Troubleshooting

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

- Section D.1, "General Troubleshooting Tips"
- Section D.2, "Troubleshooting Oracle Fusion Middleware Installation"
- Section D.3, "Configuring Java Required Files (JRF)"
- Section D.4, "Need More Help?"

## D.1 General Troubleshooting Tips

If you encounter an error during installation:

- Read the *Oracle Fusion Middleware Release Notes* for the latest updates. The most current version of the release notes is available on Oracle Technology Network (<http://www.oracle.com/technology/documentation>).
- Verify that your computer meets the requirements specified in Section 2.1, "System Requirements and Certification".
- If you entered incorrect information on one of the installation screens, return to that screen by clicking **Back** until you see the screen.
- If an error occurred while the installer is copying or linking files:
  1. Note the error and review the installation log files.
  2. Remove the failed installation by following the steps in Chapter 3, "Deinstalling Oracle Web Tier".
  3. Correct the issue that caused the error.
  4. Restart the installation.

## D.2 Troubleshooting Oracle Fusion Middleware Installation

This section contains solutions to common problems that you might encounter when installing Oracle Fusion Middleware. The following topics are covered:

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

## D.2.1 Installation Log Files

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

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

- *installdate-time-stamp.log*
- *installdate-time-stamp.out*
- *installActionsdate-time-stamp.log*
- *installProfiledate-time-stamp.log*
- *oraInstalldate-time-stamp.err*
- *oraInstalldate-time-stamp.log*

If you start the installer with the *-printtime* parameter, the *timeTakedate-time-stamp.log* file is created in the same directory.

## D.2.2 Configuration Log Files

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

On UNIX:

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

On Windows:

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

If you specify an absolute path with your *log\_filename* then your log file will be created there. If you only specify a file name with no path, then the log files are created in the *Web\_Tier\_ORACLE\_HOME/common/bin* (for UNIX) or *Web\_Tier\_ORACLE\_HOME\common\bin* (for Windows) directory.

## D.3 Configuring Java Required Files (JRF)

Java Required Files (JRF) bits are included with an Oracle Web Tier installation because they are required by some Oracle Web Tier components. These bits should not be used to configure JRF in a WebLogic domain.

To configure JRF in a WebLogic domain, you should the JRF included with some other Oracle Fusion Middleware products, such as Oracle SOA Suite or Enterprise Manager. Configuring JRF from the Web Tier Oracle Home directory is not supported.

## D.4 Need More Help?

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

- *Oracle Fusion Middleware Release Notes*, available on the Oracle Technology Network (<http://www.oracle.com/technology/documentation>)
- My Oracle Support (formerly *OracleMetaLink*: <http://metalink.oracle.com>)

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



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