Oracle® Fusion Middleware

Quick Installation Guide for Oracle Forms and Reports

11*g* Release 1 (11.1.1)

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This guide describes how to install and configure Oracle Forms and Reports.

The following topics are covered:

- Section 1, "Installation Overview"
- Section 2, "Planning Your Installation"
- Section 3, "Installation Types"
- Section 4, "Installing Oracle Forms and Reports"
- Section 5, "Patching Your Oracle Forms and Reports Installation"
- Section 6, "Configuring Oracle Forms and Reports"
- Section 7, "Verifying the Installation"
- Section 8, "Deinstalling Oracle Forms and Reports"
- Section 9, "Additional Resources"
- Section 10, "Documentation Accessibility"

1 Installation Overview

This guide contains instructions for installing and configuring Oracle Forms and Reports on a single host using all the default values. Oracle HTTP Server and Forms and Reports Builder will also be installed. Figure 1 illustrates the topology that will be created on your system at the conclusion of this procedure. It also describes the order in which you need to perform certain tasks:
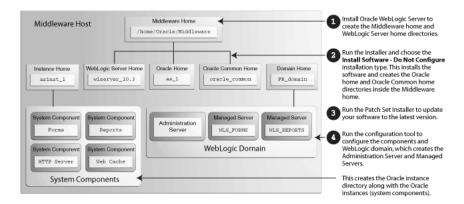
> **Note:**   Although the installation media contains Oracle Portal, Forms, Reports and Discoverer, this document describes how to install and configure Oracle Forms and Reports only.
>
> For information about installing Oracle Portal and Discoverer, refer to *Oracle Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer*.

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Figure 1 Installation Topology and Order of Tasks

2 Planning Your Installation

This section contains important information you should read prior to installing Oracle Forms and Reports. The following topics are covered:

- Section 2.1, "Verifying Your System Environment"

- Section 2.2, "Installing Oracle WebLogic Server and Creating the Middleware Home"

- Section 2.3, "Installing and Configuring Java Access Bridge (Windows Only)"

- Section 2.4, "Installing on DHCP Host"

- Section 2.5, "Installing on a Non-Networked Computer"

- Section 2.6, "Installing on a Multihomed Computer"

2.1 Verifying Your System Environment

This section contains information to help you verify that your system environment meets the minimum requirements for installation:

- Section 2.1.1, "Verifying System Requirements, Certification, Interoperability and Compatibility"

- Section 2.1.2, "Installing 32-bit Software on 32-bit Operating Systems"

- Section 2.1.3, "Oracle Fusion Middleware Support of 64-bit JDK"

2.1.1 Verifying System Requirements, Certification, Interoperability and Compatibility

Review the following documentation before you begin the installation:

- Oracle Fusion Middleware System Requirements and Specifications:

  ```
  http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-r
  equirements-100147.html
  ```

  This document contains information related to hardware and software requirements, minimum disk space and memory requirements, database schema requirements, and required system libraries, packages, or patches.

- Oracle Fusion Middleware Supported System Configurations

  ```
  http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-c
  ertification-100350.html
  ```

This page contains various certification documents for current and previous product releases. The *System Requirements and Supported Platforms for Oracle Fusion Middleware 11gR1* document contains certification information related to supported 32-bit and 64-bit operating systems, databases, web servers, LDAP servers, adapters, IPv6, JDKs, and third-party products.

■ *Oracle Fusion Middleware Interoperability and Compatibility Guide*

This document covers the compatibility and interoperability issues that may arise when installing or upgrading Oracle Fusion Middleware 11g products.

2.1.2 Installing 32-bit Software on 32-bit Operating Systems

If you are installing the 32-bit version of the product, the system on which you are installing must also be a supported 32-bit system, unless specified otherwise in the *System Requirements and Supported Platforms for Oracle Fusion Middleware 11gR1* document, available on the Oracle Fusion Middleware Supported System Configurations page:

```
http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certi
fication-100350.html
```

2.1.3 Oracle Fusion Middleware Support of 64-bit JDK

If you are using a 64-bit JVM in your environment, ensure that all your Oracle Fusion Middleware components are using the 64-bit JVM. You cannot mix components using a 32-bit JVM with those using a 64-bit JVM.

For more information, refer to the *System Requirements and Supported Platforms for Oracle Fusion Middleware 11gR1* document, available on the Oracle Fusion Middleware Supported System Configurations page:

```
http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certi
fication-100350.html
```

If your Oracle Fusion Middleware components are running in a 64-bit JVM environment, ensure that WebLogic Server is installed with the 64-bit JDK. For 32-bit JVM support, refer to the *Oracle Fusion Middleware Release Notes* for information on how to configure your environment for 32-bit JVM support for your platform.

2.2 Installing Oracle WebLogic Server and Creating the Middleware Home

Oracle Forms and Oracle Reports requires an Oracle WebLogic Server that is up and running on your system. If you do not already have one, follow the instructions in this section to download and install Oracle WebLogic Server.

For more information about installing WebLogic Server, refer to *Oracle Fusion Middleware Installation Guide for Oracle WebLogic Server*.

2.2.1 Downloading the WebLogic Server Installer

Download the latest version of the Oracle WebLogic Server installer from Oracle Technology Network:

1. Go to "Oracle WebLogic Server Downloads" page on Oracle Technology Network:

   ```
   http://www.oracle.com/technetwork/middleware/ias/downloads/wls-main
   -097127.html
   ```

2. Click **OTN License Agreement** and read the license agreement.

3. Select the **Accept License Agreement** option. You must accept the license agreement before you can download the installer.

4. Follow the on-screen instructions to access the list of available installers for the current release and download the appropriate installer for your operating system.

The 32-bit executable files are bundled with the appropriate JDK version. If you use the 64-bit installer, you will need to invoke the installer with a supported JDK for your platform. This JDK must be installed on your system before you install Oracle WebLogic Server.

Refer to the *System Requirements and Supported Platforms for Oracle Fusion Middleware 11gR1* document on the Oracle Fusion Middleware Supported System Configurations page for a list of supported JDKs for your platform:

```
http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certi
fication-100350.html
```

2.2.2 Starting the WebLogic Server Installer

Run the installer you just downloaded. Some notes for running the installer:

- Before running the installer, set the `DISPLAY` environment variable on your system.

- Replace *JAVA_HOME* with the installation location of the supported JDK you installed for your platform.

- If you are installing a 64-bit Oracle WebLogic Server on a 64-bit platform, use the `-d64` flag when using 32/64-bit hybrid JDKs (such as the HP JDK for HP-UX and SUN JDK for Solaris SPARC).

  Execute *JAVA_HOME*`/bin/java -version` (or *JAVA_HOME*`/bin/java -d64 -version` on 32/64-bit hybrid JDKs) to ensure that your `JAVA_HOME` refers to a 64-bit JDK.

To run the installer on a 32-bit Linux operating system:

```
./wls_1034_linux32.bin
```

To run the installer on 32-bit Windows operating systems:

```
wls_1034_win32.exe
```

To run the installer on 64-bit UNIX operating systems:

```
JAVA_HOME/bin/java -jar wls_1034_generic.jar
```

or

```
JAVA_HOME/bin/java -d64 -jar wls_1034_generic.jar
```

To run the installer on 64-bit Windows operating systems:

```
JAVA_HOME\bin\java -jar wls_1034_generic.jar
```

2.2.3 WebLogic Server Installation Screens and Instructions

Follow the instructions below to install WebLogic Server:

1. Welcome Screen

   Click **Next**.

2. Choose Middleware Home Directory Screen

Select **Create a new Middleware Home**.

Specify the desired location of your new Middleware home directory. If this directory already exists on your system, it must be an empty directory. If this directory does not already exist, then it will be created for you.

> **Note:** You must remember or make a note this location; you will be asked for it later when you are installing the software.

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

Click **Next**.

3. Register for Security Updates Screen

   Select whether or not you want to receive the latest product and security updates. If you choose not to receive anything, you will be asked to verify your selection before continuing.

   Click **Next**.

4. Choose Install Type Screen

   Select **Typical**.

   Click **Next**.

5. Choose Product Installation Directories Screen

   Specify the desired location for your WebLogic Server home directory.

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

   Click **Next**.

6. Choose Shortcut Location (Windows only)

   If you are installing on a Windows system, you will be asked to specify a location where you would like Windows to create a shortcut to Oracle products.

   Click **Next**.

7. Installation Summary Screen

   Click **Next**.

8. Installation Progress Screen

   No action is required on this screen; the installer will automatically advance to the next screen when installation is complete.

9. Installation Complete Screen

   De-select **Run Quickstart**.

   Click **Done**.

2.3 Installing and Configuring Java Access Bridge (Windows Only)

If you are installing on a Windows machine, you have the option of installing and configuring Java Access Bridge for Section 508 Accessibility. This is only necessary if you require Section 508 Accessibility features:

1. Download Java Access Bridge from the following URL:

   `http://java.sun.com/javase/technologies/accessibility/accessbridge/`

2. Install Java Access Bridge.

3. Copy the `access-bridge.jar` and `jaccess-1_4.jar` from your installation location to the `jre\lib\ext` directory.

4. Copy the `WindowsAccessBridge.dll`, `JavaAccessBridge.dll`, and `JAWTAccessBridge.dll` files from your installation location to the `jre\bin` directory.

5. Copy the `accessibility.properties` file to the `jre\lib` directory.

For more information about Java Access Bridge, refer to "Install and Configure Java Access Bridge (Windows Only)" in *Oracle Fusion Middleware Administrator's Guide*.

2.4 Installing on DHCP Host

If you are installing Oracle Portal, Forms, Reports and Discoverer on a DHCP host, you must follow the configuration steps in this section for your platform.

2.4.1 For Linux x86 Platforms

On Linux x86 operating systems, configure the host to resolve host names 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
```

2.4.2 For Windows x86 Platforms

On Windows operating systems, install a loopback adapter on the DHCP server (see Section 2.4.3, "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.

2.4.3 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 "Add Hardware Wizard" 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.

2.4.4 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**.

2.5 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 2.4, "Installing on DHCP Host" to install a loopback adapter and modify the hosts file on your system.

2.6 Installing on a Multihomed Computer

You can install Oracle Portal, Forms, Reports and Discoverer 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 hostname; 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 operating systems) or %SYSTEMROOT%\system32\drivers\etc\hosts (on Windows operating systems) file. So if your file looks like the following:

```
127.0.0.1 localhost.localdomain localhost
10.222.333.444 examplehost1.example.com examplehost1
20.222.333.444 examplehost2.example.com examplehost2
```

examplehost1.example.com would be picked for configuration.

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

3 Installation Types

The installer will present you with two types of installation:

■ Install and Configure

■ Install Software - Do Not Configure

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.

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 the bin directory inside your Oracle home 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 about Oracle home and Oracle instance directories, refer to "Oracle Fusion Middleware Directory Structure" in *Oracle Fusion Middleware Installation Planning Guide*.

4 Installing Oracle Forms and Reports

The instructions in this section describe how to install Oracle Forms and Reports on a single host by choosing the **Install Software - Do Not Configure** installation type.

4.1 Obtaining the Software

Table 1 describes the Oracle Web sites where you can download the latest Oracle Fusion Middleware software.

Table 1   Where to Download Oracle Fusion Middleware Software

Oracle Website	Purpose and Location
Oracle Technology Network	If you are a developer, go to the Oracle Technology Network (OTN) to download Oracle software under the terms of the OTN Developer License:
	`http://www.oracle.com/technetwork/middleware/fusion-middleware/overview/index.html`
	For more information, refer to the *Download and Certification Frequently Asked Questions* document, which is available by clicking the FAQ icon on the main Middleware download page.
	Note: Oracle Technology Network requires free registration.
My Oracle Support	If you are a customer with a valid support agreement with Oracle and you want to download software updates and fixes, then go to My Oracle Support:
	`http://support.oracle.com/`
	To obtain the specific patch set numbers for your installation, as well as additional information about maintaining your software, refer to My Oracle Support document ID 1073776.1.
Oracle E-Delivery	If you have purchased an Oracle software license and you want to download software under the terms of that license, or if you want to download Oracle software under the terms of the Oracle Electronic Delivery Trial License then go to Oracle E-Delivery:
	`http://edelivery.oracle.com/`

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

4.2 Starting the Installer

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

On UNIX operating systems:

```
cd unpacked_archive_directory/Disk1
./runInstaller
```

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

On Windows operating systems:

```
cd unpacked_archive_directory\Disk1
setup.exe
```

In some cases (for example, if you are installing on an HP-UX system with a PA-RISC processor), the installer requires the full path to the location of a Java Runtime Environment (JRE) on your system. In such cases, the installer will prompt you for the location of a JRE, as shown in the following example on a UNIX operating system:

```
Starting Oracle Universal Installer...

Checking if CPU speed is above 300 MHz.    Actual 2999 MHz    Passed
Checking Temp space: must be greater than 150 MB.    Actual 62101 MB    Passed
Checking swap space: must be greater than 500 MB.    Actual 4047 MB    Passed
Checking monitor: must be configured to display at least 256 colors.    Actual 256
Passed
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2010-04-02_
04-38-18PM. Please wait ...
Please specify JRE/JDK location ( Ex. /home/jre ), <location>/bin/java should
exist :
```

When you installed Oracle WebLogic Server (Section 2.2, "Installing Oracle WebLogic Server and Creating the Middleware Home"), a JRE was installed on your system. You can use this location (the location of the `jre` directory) to start the installer. The default location for the JRE is *MW_HOME*/`jdk160_21/jre` (on UNIX operating systems) or *MW_HOME*\`jdk160_21\jre` (on Windows operating systems), where *MW_HOME* is the Middleware home directory.

4.3 Installation Screens and Instructions

Follow the instructions below to install Oracle Forms and Reports:

1. Welcome Screen

   Click **Next**.

2. Select Installation Type Screen

   Select **Install Software - Do Not Configure**.

   Click **Next**.

3. Prerequisite Checks Screen

   Click **Next**.

4. Specify Installation Location Screen

   Specify the following location information:

   - **Oracle Middleware Home Location:** The absolute path to the directory where WebLogic Server was installed.

   - **Oracle Home Directory:** The directory where you want to install your software:

     – You can specify a pre-existing directory that you want to use as the Oracle home; this must be an empty directory.

– You can specify the name of a new directory that will be created for you inside the Middleware home.

For more information about the Middleware home and Oracle home directories, refer to "Oracle Fusion Middleware Directory Structure" in *Oracle Fusion Middleware Installation Planning Guide*.

Click **Next**.

5. Specify Security Updates Screen

Enter your email 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 security updates, leave all the fields on this screen blank.

Click **Next**.

6. Installation Summary Screen

Click **Install**.

7. Installation Progress Screen

When the installation is 100% complete, click **Next**.

8. Installation Complete Screen

Click **Save** to save the summary information on this screen. You will be prompted to specify a name and location for your summary file.

Click **Finish**.

5 Patching Your Oracle Forms and Reports Installation

The next step is to run the Patch Set Installer for Oracle Forms and Reports to patch your software to the latest version.

5.1 Download the Patch Set Installer

See Section 4.1, "Obtaining the Software" for information on where you can download the latest software. Download the Patch Set Installer for Oracle Portal, Forms, Reports and Discoverer.

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

5.2 Patch Set Installer Screens and Instructions

Follow the instructions below to patch your software:

1. Insert the CD-ROM.

2. Start the Patch Set Installer.

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

On UNIX operating systems:

```
./runInstaller
```

On Windows operating systems:

```
setup.exe
```

3. Welcome Screen

   Click **Next**.

4. Prerequisite Checks Screen

   Click **Next**.

5. Specify Installation Location Screen

   - **Oracle Middleware Home:** Specify your existing Middleware home directory.

   - **Oracle Home Directory:** Specify your existing *ORACLE_HOME* directory.

   Click **Next**.

6. Specify Security Updates 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 asked to confirm that you do not wish to receive updates for your configuration. Click **Yes** to confirm your selection.

   Click **Next**.

7. Installation Summary Screen

   Click **Install**.

8. Installation Progress Screen

   After the installation is 100% complete, click **Next**.

9. Installation Complete Screen

   Click **Finish**.

6 Configuring Oracle Forms and Reports

The instructions in this section describe how to configure Oracle Forms and Reports that you have just installed and patched.

6.1 Starting the Configuration Tool

The configuration tool is located in the bin directory inside your Oracle home.

On UNIX operating systems:

```
cd ORACLE_HOME/bin
./config.sh
```

On Windows operating systems:

```
cd ORACLE_HOME\bin
config.bat
```

> **Note:** Make sure the Oracle Forms and Reports installer is not
> running; running the installer and configuration tool concurrently is
> not supported.

6.2 Configuration Tool Screens and Instructions

Follow the instructions below to configure Oracle Forms and Reports:

1. Welcome Screen

    Click **Next**.

2. Prerequisite Checks Screen

    Click **Next**.

3. Select Domain Screen

    By default, the **Create Domain** option is selected. Specify the following
    information to create a new domain:

    - **User Name:** Specify the user name. The default user name is `weblogic`.

    - **User 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.

    - **Confirm Password:** Enter the same user password again.

    - **Domain Name:** Specify the name of the domain you want to create. Domain
      names may only contain alphanumeric characters, or the underscore (_) or
      hyphen (-) characters.

    Click **Next**.

4. Specify Security Updates Screen

    Enter your email 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 security updates, leave all the fields on this
    screen blank.

    Click **Next**.

5. Specify Installation Location Screen

    Specify the following location information:

    - **WebLogic Server Directory:** The absolute path to the WebLogic Server
      directory; this directory was automatically created when WebLogic Server was
      installed and is inside the Middleware home directory. The default directory
      name is `wlserver_10.3`.

    - **Oracle Instance 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.

This directory does not have to reside in either the Middleware home or Oracle home directories.

- **Oracle 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.

For more information about Fusion Middleware directory structure and terminology, refer to "Oracle Fusion Middleware Directory Structure" in *Oracle Fusion Middleware Installation Planning Guide*.

Click **Next**.

6. Configure Components Screen

By default, all installed components are selected for configuration.

De-select the **Clustered** checkbox.

Click **Next**.

7. Configure Ports Screen

Select **Auto Port Configuration**.

Click **Next**.

8. Specify Proxy Details Screen

If your computer is located behind a firewall you may need to route outgoing HTTP connections through a proxy server. If you have a direct connection to the Internet or if you do not wish to configure a proxy server at this time, click **Next**.

To configure a proxy server, provide the following information:

- **HTTP Proxy Host:** Enter the host name of your proxy server.

- **HTTP Proxy Port:** Enter the port number of your proxy server.

- **Bypass proxy for address:** Enter addresses for which the proxy server should be bypassed. Use commas (,) to separate multiple entries. Domains may be listed using asterisk (*). For example:

  ```
  *.us.oracle.com,*.in.oracle.com
  ```

9. Specify Application OID Screen

Oracle Portal requires Oracle Internet Directory to be installed and up and running. For this installation scenario, since Oracle Portal is not installed, select the **Use Application Level Identity Store** checkbox.

Click **Next**.

10. Installation Summary Screen

Click **Configure**.

11. Configuration Progress Screen

After the configuration is 100% complete, click **Next**.

12. Installation Complete Screen

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. Saving this information will make it easier for you to access these pages whenever you need to.

Click **Save** to save the summary information on this screen. You will be prompted to specify a name and location for your summary file.

Click **Finish**.

7 Verifying the Installation

After you have successfully run the installer and configuration wizard, you can verify the status of your installation by performing any combination of the following:

- Verifying the Installation Logs
- Verifying the Domain Server Logs
- Verifying OPMN Status
- Checking Browser URLs

7.1 Verifying the Installation Logs

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

7.2 Verifying the Domain Server Logs

Check the domain server logs, which are located in the `servers` directory inside the domain home directory.

On UNIX operating systems:

```
DOMAIN_HOME/domain_name/servers/server_name
```

On Windows operating systems:

```
DOMAIN_HOME\domain_name\servers\server_name
```

7.3 Verifying OPMN Status

Run the `opmnctl status` command from the `INSTANCE_HOME`/bin (on UNIX operating systems) or `INSTANCE_HOME`\bin (on Windows operating systems) directory in your instance home location. The example below shows the output on a UNIX operating system:

```
> ./opmnctl status

Processes in Instance: asinst_1
---------------------------------+--------------------+---------+---------
ias-component                    | process-type       |     pid | status
---------------------------------+--------------------+---------+---------
emagent_asinst_1                 | EMAGENT            |   11849 | Alive
wc1                              | WebCache-admin     |   11333 | Alive
wc1                              | WebCache           |   11332 | Alive
```

```
ohs1                              | OHS               |  11207 | Alive
```

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

You can also run the `opmnctl status -l` command to obtain a list of ports used by the components. The example below shows the output on a UNIX operating system:

```
> ./opmnctl status -l

Processes in Instance: asinst_1
--------------------------------+-------------------+---------+----------+------
------+----------+-----------+------
ias-component                   | process-type      |    pid | status   |
uid | memused |    uptime | ports
--------------------------------+-------------------+---------+----------+------
------+----------+-----------+------
emagent_asinst_1                | EMAGENT           |  11849 | Alive    |
1133259606 |    4204 |   0:09:38 | N/A
wc1                             | WebCache-admin    |  11333 | Alive    |
1133259605 |   43736 |   0:15:35 | http_admin:8091
wc1                             | WebCache          |  11332 | Alive    |
1133259604 |   63940 |   0:15:35 | http_stat:8092,http_invalidation:8093,https_
listen:8094,http_listen:8090
ohs1                            | OHS               |  11207 | Alive    |
1133259603 |   50744 |   0:15:43 | https:8889,https:8890,http:8888
```

7.4 Checking Browser URLs

The Install Completed Screen contains URLs that can be used to access your installed and configured products, as shown in Table 2:

Table 2   Oracle Portal, Forms, Reports, and Discoverer Product URLs

Product or Component	URL
Administration Server Console	`http://host:port/console`
Enterprise Manager Console	`http://host:port/em`
Enterprise Manager Agent	`http://host:port/emd/main`
Oracle Forms	`http://host:port/forms/frmservlet`
Oracle Reports	`http://host:port/reports/rwservlet`

8 Deinstalling Oracle Forms and Reports

Deinstalling Oracle Forms and Reports from your system involves the following:

- Stopping Oracle Fusion Middleware
- Deinstalling Oracle Forms and Reports
- Deinstalling Oracle WebLogic Server
- Deinstalling Oracle JDeveloper
- Removing the Program Groups (Windows Only)
- Rebooting Your System (Windows Only)

You should always use the instructions provided in this section 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 section will ensure that the software is properly removed.

8.1 Stopping Oracle Fusion Middleware

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

1. Stop all system components using the following `opmnctl` command. Make sure the `ORACLE_HOME` environment variable is set to your Oracle home directory.

   ```
   opmnctl stopall
   ```

2. Stop all Java components using WLST:

   ```
   stopApplication(appName)
   ```

   For example, to stop Oracle Directory Integration Platform (DIP):

   ```
   stopApplication("DIP")
   ```

3. Stop the WebLogic Managed Servers.

   On UNIX operating systems:

   ```
   DOMAIN_HOME/bin/stopManagedWeblogic.sh managed_server_nanme administration_
   server_url administration_server_username administration_server_password
   ```

   On Windows operating systems:

   ```
   DOMAIN_HOME\bin\stopManagedWeblogic.cmd managed_server_nanme administration_
   server_url administration_server_username administration_server_password
   ```

   Specify the `administration_server_url` using the following format:

   ```
   http://administration_server_host.administration_server_domain:administration_
   server_port
   ```

4. Stop WebLogic Administration Server.

   > **Note:** If you are removing managed instances (see Section 8.2.2, "Removing the Oracle Instances"), the Administration Server must remain up and running. You can stop the Administration Server after you have removed your managed instances.

   On UNIX operating systems:

   ```
   DOMAIN_HOME/bin/stopWeblogic.sh administration_server_url administration_
   server_username administration_server_password
   ```

   On Windows operating systems:

   ```
   DOMAIN_HOME\bin\stopWeblogic.cmd administration_server_url administration_
   server_username administration_server_password
   ```

   Specify the `admin_url` using the following format:

   ```
   http://administration_server_host.administration_server_domain:administration_
   ```

```
server_port
```

For more information about starting and stopping Oracle Fusion Middleware, refer to "Starting and Stopping Oracle Fusion Middleware" in *Oracle Fusion Middleware Administrator's Guide*.

For more information about starting and stopping servers, see "Starting and Stopping Servers" in *Oracle Fusion Middleware Managing Server Startup and Shutdown for Oracle WebLogic Server*.

8.2 Deinstalling Oracle Forms and Reports

The Oracle Forms and Reports deinstaller gives you the following software removal options:

- Deinstall Oracle Home
- Deinstall ASInstances managed by WebLogic Domain
- Deinstall unmanaged ASInstances

In order to deinstall Oracle Forms and Reports properly, you must perform the following in order:

- Start the Installer (Section 8.2.1, "Starting the Deinstaller").
- Remove managed Oracle Instances (Section 8.2.2, "Removing the Oracle Instances").
- Remove the Oracle home (Section 8.2.3, "Removing the Oracle Home").

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

8.2.1 Starting the Deinstaller

To start the deinstaller, navigate to the *ORACLE_HOME*/oui/bin (on UNIX operating systems) or *ORACLE_HOME*\oui\bin (on Windows operating systems) directory and start the deinstaller.

On UNIX operating systems:

```
./runInstaller -deinstall
```

On Windows operating systems:

```
setup.exe -deinstall
```

On Windows operating systems, you can also start the deinstaller from the Start menu by selecting **Programs > Oracle Forms 11g - Home1 > Uninstall**.

8.2.2 Removing the Oracle Instances

All Oracle instances must be removed before the Oracle home is removed.

After you have started the deinstaller (Section 8.2.1, "Starting the Deinstaller"), follow the instructions below to remove the Oracle instances that were created during installation and configuration (Section 4, "Installing Oracle Forms and Reports"):

1. Welcome Screen

   Click **Next**.

2. Select Deinstallation Type Screen

Select **Deinstall ASInstances managed by WebLogic Domain**.

Click **Next**.

3. Specify WebLogic Domain Detail Screen

   Specify the credentials to connect to your WebLogic Domain.

   Click **Next** to continue.

4. Select Instance or Home Screen

   Select the managed Oracle instance you want to remove.

   Click **Next** to continue.

5. Deinstallation Summary Screen

   Verify the information on this screen is correct.

   Click **Deinstall** to continue.

6. Deinstallation Progress Screen

   This screen shows the progress and status of the deinstallation. No action is required; the deinstaller will automatically advance to the next screen when deinstallation is complete.

7. Deinstall Complete Screen

   Click **Finish**.

8.2.3 Removing the Oracle Home

This section describes how to remove the Oracle home. The deinstaller will attempt to remove the Oracle home from which it was started. Before you choose to remove your Oracle home, make sure that it is not in use by an existing domain, and also make sure you stop all running processes that use this Oracle home.

Start the deinstaller (Section 8.2.1, "Starting the Deinstaller"), then follow the instructions below to remove the Oracle home:

1. Welcome Screen

   Click **Next**.

2. Select Deinstallation Type Screen

   Select **Deinstall Oracle Home**.

   Click **Next**.

3. Deinstall Oracle Home Screen

   Verify the Oracle home you are about to deinstall.

   Click **Deinstall** to continue.

   A warning dialog box will appear. Click **Yes** to confirm that you want to proceed with the deinstallation and remove the Oracle home directory.

4. Deinstall Progress Screen

   This screen shows the progress and status of the deinstallation.

   Click **Finish**.

5. Deinstall Complete Screen

Click **Finish**.

6. On Windows operating systems, manually remove the Oracle home directory (even if you answer **Yes** in the warning dialog box).

   For example, if your Oracle home directory is `C:\Oracle\Middleware\Home1`, then you should navigate to the `C:\Oracle\Middleware` directory, right-click on the `Home1` folder, and select **Delete**.

   This procedure should also be repeated to manually remove the Oracle Common home directory on Windows operating systems after you have run the deinstaller to remove the Oracle Common home.

8.2.4 Removing the Oracle Common Home

This section describes how to remove the `oracle_common` directory. This directory contains its own deinstaller in `oui/bin` (on UNIX operating systems) or `oui\bin` (on Windows operating systems), just like any other Oracle home directory.

Before you begin, you must:

1. Stop all processes that use the `oracle_common` directory.

2. Remove all Oracle Instances (see Section 8.2.2, "Removing the Oracle Instances").

3. Remove the Oracle home directory (see Section 8.2.3, "Removing the Oracle Home").

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

To start the deinstaller on UNIX operating systems:

```
./runInstaller -deinstall
```

To start the deinstaller on Windows operating systems:

```
setup.exe -deinstall
```

After the deinstaller is started, follow the instructions in Section 8.2.3, "Removing the Oracle Home" to remove the Oracle Common home.

8.3 Deinstalling Oracle WebLogic Server

This section describes how to remove Oracle WebLogic Server from your system.

8.3.1 Starting the WebLogic Server Deinstaller

Start the deinstaller from the `uninstall` directory in your WebLogic home. You specified the location of the WebLogic home directory on the Choose Product Installation Directories Screen in Section 2.2, "Installing Oracle WebLogic Server and Creating the Middleware Home".

On UNIX operating systems:

```
cd WebLogic_Home/uninstall
./uninstall.sh
```

On Windows operating systems:

```
cd WebLogic_Home\uninstall
uninstall.cmd
```

On Windows operating systems, you can also start the deinstaller from the Start menu by selecting **Programs > Oracle WebLogic > Uninstall Oracle WebLogic**.

8.3.2 WebLogic Server Deinstallation Screens and Instructions

Follow the instructions below to deinstall Oracle WebLogic Server:

1. Welcome Screen

   Click **Next**.

2. Choose Components Screen

   By default, all components are selected.

   Click **Next**.

3. Uninstalling WebLogic Platform Screen

   Click **Done**.

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

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

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

8.4 Deinstalling Oracle JDeveloper

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

8.5 Removing the Program Groups (Windows Only)

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

- Oracle Fusion Middleware 11.1.1.4.0
- Oracle Forms 11*g* - Home1
- Oracle WebLogic

8.6 Rebooting Your System (Windows Only)

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

9 Additional Resources

For additional information, refer to the *Oracle Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer*, which is available on the Oracle Fusion Middleware 11 g Release 1 (11.1.1) Documentation page at `http://www.oracle.com/technetwork/middleware/docs/middleware-093 940.html`.

Printed documentation is available for sale through your Oracle representative or in the Oracle Store at `http://oraclestore.oracle.com`.

To download free release notes, installation documentation, white papers, or other collateral, visit Oracle Technology Network (OTN). You must register online before using OTN; registration is free and can be done at `http://www.oracle.com/technology/membership/`.

If you already have a username and password for OTN, then you can go directly to the documentation section of OTN at `http://www.oracle.com/technetwork/indexes/documentation/`.

9.1 Oracle Support Services

If you purchased Oracle Product Support, you can call Oracle Support Services for assistance. Oracle Support Services include phone assistance, version updates and access to our service offerings. You have access to phone support 24 hours a day, 7 days a week. In the U.S.A., you can call Product Support at 1-800-223-1711.

Make sure you have your CSI (CPU Support Identifier) number ready when you call. Keep the CSI number for your records, because it is your key to Oracle Support Services. The Oracle Store sends the CSI number to you in an e-mail alert when it processes your order. If you do not have your CSI number and you are in the U.S.A., you can look up your CSI number by accessing our online Order Tracker which provides detailed order information. Go to the Oracle Store and click on Order Tracker located above the top navigation bar.

For Oracle Support Services locations outside the U.S.A., call your local support center for information on how to access support. To find the local support center in your country, visit the Support Web Center at `http://www.oracle.com/support`.

At the Support Web Center you will find information on Oracle Support Services, such as:

- Contact Information

- Instructions for Accessing Electronic Services

- Helpful Web Sites

- Support Resources

- Oracle Support Portfolio

- Oracle Support Services news

With Oracle Product Support, you have round-the-clock access to My Oracle Support (formerly Oracle*MetaLink*), Oracle Support Services premier Web support offering. My Oracle Support offers you access to installation assistance, product documentation, and a technical solution knowledge base.

It has technical forums, where you can post questions about your Oracle products and receive answers from Oracle Technical Support Analysts and other Oracle users. The questions and answers remain posted for the benefit of all users.

My Oracle Support options include:

- Technical Assistance Request (TAR) access

- Patch Downloads

- Bug Database Query Access

- Product Life-Cycle Information

You can access My Oracle Support at `http://support.oracle.com`.

9.2 Version Updates

If you do not have a currently supported license, you can purchase the most recent version of an Oracle product from the Oracle Store at `http://oraclestore.oracle.com`.

If you do have a currently supported license, you can place non-urgent requests for version update shipments through the iTAR feature on My Oracle Support. You will need to log the iTAR type as a U.S. Client Relations/Non-Technical Request.

You can also request Version Update shipments in the U.S.A. by calling Client Relations. When requesting a Version Update, provide the following information to the Client Relations Analyst:

- CSI Number

- Contact Information

- Platform

- Product Name

- Shipping Address

- Product Version Number

Outside the U.S.A., call your local Oracle Support Center.

9.3 Premium Services

For information on our Premium Services, including onsite support, OracleGOLD, remote services, and upgrade packages, visit the Support Web Center at `http://www.oracle.com/support`.

You can also call your Support Sales Representative in the U.S.A at 1-800-833-3536.

9.4 Quick Reference

For quick access to additional information, refer to Table 3:

Table 3   Links to Additional Information and Resources

I want to...	Contact Information or Web Site
Purchase additional products, full-use licenses, version updates, and documentation in the U.S.A.	`http://oraclestore.oracle.com`
Access technical resources for developers.	`http://www.oracle.com/technology`
Access installation documentation.	`http://www.oracle.com/technology/documentation`
Access information about technical support.	`http://www.oracle.com/support`
Locate local Oracle Support Centers outside the U.S.A.	`http://www.oracle.com/support`
Locate local Oracle offices outside the U.S.A.	`http://www.oracle.com/global`
Call Client Relations in the U.S.A.	1-800-223-1711
Speak with your sales representative in the U.S.A.	1-800-ORACLE-1
Locate TTY Access to technical support in the U.S.A.	1-800-446-2398

10 Documentation Accessibility

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Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle

technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at `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`.