Oracle® Fusion Middleware

Quick Installation Guide for Oracle Portal, Forms, Reports and Discoverer

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Oracle Fusion Middleware Quick Installation Guide for Oracle Portal, Forms, Reports and Discoverer 11*g* Release 1 (11.1.1)
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This guide describes how to install Oracle Portal, Forms, Reports, and Discoverer.

The following topics are covered:

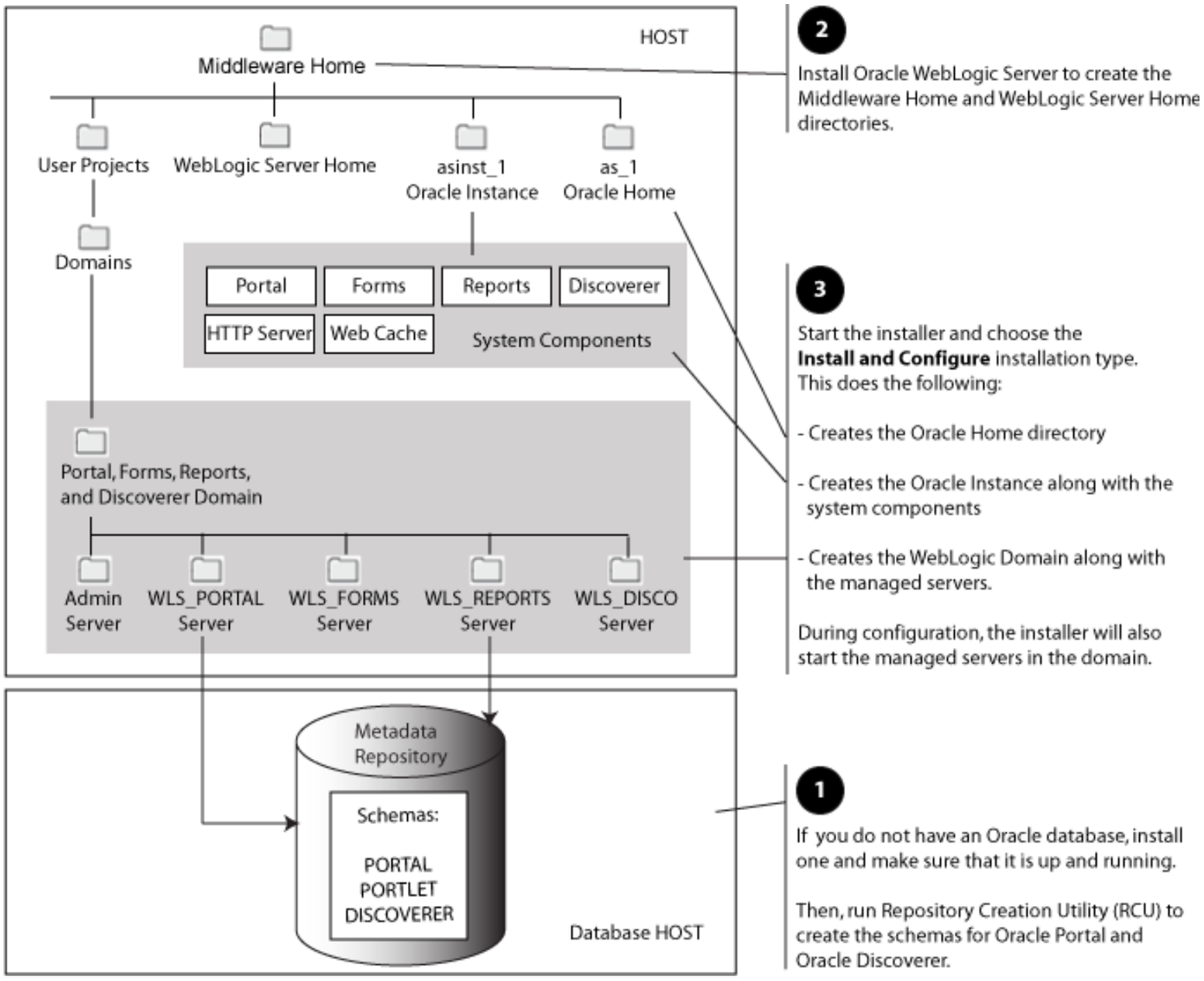
- Section 1, "Installation Overview"
- Section 2, "System Requirements and Certification"
- Section 3, "Pre-Installation Tasks"
- Section 4, "Installation Types"
- Section 5, "Installing and Configuring Oracle Portal, Forms, Reports, and Discoverer"
- Section 6, "Verifying the Installation"
- Section 7, "Deinstalling Oracle Portal, Forms, Reports and Discoverer"
- Section 8, "Additional Resources"
- Section 9, "Documentation Accessibility"

1 Installation Overview

This guide contains instructions for installing and configuring Oracle Portal, Forms, Reports, and Discoverer on a single host.

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:

Figure 1 Installation Topology and Order of Tasks



2 System Requirements and Certification

The information in this section is current at the time of publication. For the most current information, refer to:

- Oracle Fusion Middleware System Requirements, Prerequisites, and Specifications, available on Oracle Technology Network (OTN):

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

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

- Oracle Fusion Middleware Certification

  http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html

This document contains information related to supported installation types, platforms, operating systems, databases, JDKs, and third-party products.

2.1 Memory Requirements

Table 1 lists the minimum memory requirements.

Table 1 Minimum Memory Requirements

Operating System	Minimum Physical Memory	Minimum Available Memory
Linux	2 GB	1 GB
UNIX	2 GB	1 GB
Windows	2 GB	1 GB

2.2 Installer Startup Requirements

When the installer is started, the requirements listed in Table 2 are checked. You will be notified if any of these requirements are not met:

Table 2 Installer Startup Requirements

Category	Minimum or Accepted Value
Platform	UNIX: ■ Solaris 9, Solaris 10 ■ HP-UX 11i (11.23), HP-UX 11i (11.31) ■ Oracle Enterprise Linux 4, Oracle Enterprise Linux 5, Red Hat Linux 4, Red Hat Linux 5, SUSE 10 ■ IBM AIX 5.3, IBM AIX 6.1 Windows: ■ Windows XP SP2 (Win32 platforms only), Windows 2003, Windows 2008, Windows Vista
Temp Space	At least 150MB
Swap Space	At least 512MB
Monitor	At least 256 colors

3 Pre-Installation Tasks

Before installing Oracle Portal, Forms, Reports and Discoverer, you must first check for the following:

- Install Oracle Database

- Create Schemas for Oracle Portal and Oracle Discoverer
- Install Oracle WebLogic Server and Create the Middleware Home
- Install Oracle Internet Directory for Oracle Portal
- Install and Configure Java Access Bridge (Windows Only)
- Installing on DHCP Host
- Installing on a Non-Networked Computer
- Installing on a Multihomed Computer

3.1 Install Oracle Database

Installation of Oracle Portal, Forms, Reports and Discoverer requires the availability of an Oracle database. This database must be up and running, and does not have to be on the same system where you are installing the products. The database must also be compatible with Repository Creation Utility (RCU), which is used to create the schemas necessary for Oracle Portal and Oracle Discoverer.

For the latest information about supported databases, visit the Oracle Fusion Middleware Certification document at following URL:

http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html

At the time of publication, the databases requirements for RCU are listed in Table 3:

Table 3 RCU Database Requirements

Category	Minimum or Accepted Value
Version	Oracle Database 10*g* (10.2.0.4 or later for non-XE database) using the AL32UTF8 character set. Oracle Database 11*g* (11.1.0.7 or later for non-XE database).
Shared Pool Size	147456 KB
SGA Maximum Size	147456 KB
Block Size	8 KB

RCU is available only on Linux and Windows platforms. Either the Linux RCU or Windows RCU may be used to create schemas on any supported database platform.

3.2 Create Schemas for Oracle Portal and Oracle Discoverer

Oracle Portal and Oracle Discoverer require that certain schemas exist in the database prior to installation. You must run Repository Creation Utility (RCU) to create the schemas in the database. Follow these instructions to do so:

1. Insert the RCU CD-ROM and start RCU from the `rcuHome/bin` (on UNIX) or `rcuHome\bin` (on Windows) directory:

   On UNIX:

   ```
   ./rcu
   ```

   On Windows:

   ```
   rcu.bat
   ```

   You can also download a `.zip` file containing RCU from Oracle Technology Network (OTN):

   http://www.oracle.com/technology/

Note: On Windows systems, make sure that you do not unzip the RCU `.zip` file to a directory name containing spaces.

After downloading the `.zip` file, extract the contents to a directory of your choice, and run RCU from the *RCU_HOME*`/bin` (on UNIX) or *RCU_HOME*`\bin` (on Windows) directory with the commands shown above, where *RCU_HOME* is the folder where RCU was unzipped, or the drive or mount point of the CD-ROM.

2. Welcome Screen

   Click **Next**.

3. Create Repository Screen

   Click **Create**.

   Click **Next**.

4. Database Connection Details Screen

   Provide the following credentials to connect to your Oracle database:

- **Host Name:** Specify the name of the machine on which your database resides in the format *host*.*domain*.com.

  For Oracle RAC databases, specify the Virtual IP name or one of the node names as the host name. For example:

  ```
  ora-node1-vip.mycompany.com
  ```

- Port: Specify the database listen port number. The default port number for Oracle databases is 1521.

  If you do not know the listen port number for your database, you can check the portlist.ini file, which is located in the *ORACLE_HOME*/install (for UNIX) or *ORACLE_HOME*\install (for Windows) directory on the machine where the database is located.

- Database Name: Specify the service name for the database. Typically, the service name is the same as the global database name.

  If you are unsure what the service name for your database is, you can obtain it from the SERVICE_NAMES parameter in the database's initialization parameter file. If the initialization parameter file does not contain the SERVICE_NAMES parameter, then the service name is the same as the

global database name, which is specified in the `DB_NAME` and `DB_DOMAIN` parameters.

For Oracle RAC databases, specify the service name of one of the nodes in this field. For example: `sales.mydomain.com`.

- Username: Specify the name of a user with DBA or SYSDBA privileges. The default user name with SYSDBA privileges is `SYS`.
- Password: Specify the password for your database user.
- Role: Select the database user's role from the drop-down list. The `SYS` user requires the SYSDBA role.

Click **Next**. A "Checking Prerequisites" screen will appear. If there are errors, some details about the error will be displayed on the Database Connection Details Screen. Fix the error messages and click **Next** again.

After the checking is complete with no errors, click **OK** to dismiss the screen.

5. Select Components Screen

Near the top of the screen, select **Create a New Prefix**. If you are the only user of the database instance, you may use the

default prefix DEV. If you are sharing the database instance with other Oracle Fusion Middleware users, refer to *Oracle Fusion Middleware Repository Creation Utility User's Guide* for more information about prefixes.

Table 4 lists the required schemas for Oracle Portal and Oracle Discoverer:

Table 4 Required Schemas for Oracle Portal and Oracle Discoverer

Component	Required Schemas
Oracle Portal	*prefix*_PORTAL (Oracle Portal)
Oracle Portlet Producers	*prefix*_PORTLET (Oracle Portlet Producers)
Oracle Discoverer	*prefix*_DISCOVERER (Oracle Discoverer)

Select the necessary schemas for the product(s) you want to install.

Note: You must remember or make a note of these schema names and the prefix value from this screen; you will need them later when you are configuring your products. You will need to provide the schema name in the format *prefix_schemaname*. For example, if you used the default prefix DEV, you will supply the following schema name for the Portal schema:

DEV_PORTAL

Click **Next**. A "Checking Prerequisites" screen will appear. If there are errors, some details about the error will be displayed on the Select Components Screen. Fix the error messages and click **Next** again.

After the checking is complete with no errors, click **OK** to dismiss the screen.

6. Schema Passwords Screen

   Near the top of the screen, select **Use same password for all schemas**.

   In the Password field, enter your password. Enter your password again in the Confirm Password field.

Note: You must remember or make a note of the schema passwords from this screen; you will need them later when you are configuring your products.

Click **Next**.

7. Map Tablespaces Screen

   Click **Next**. A "Creating Tablespaces" screen will appear. If there are errors, some details about the error will be displayed on the Map Tablespaces Screen. Fix the error messages and click **Next** again.

   After the tablespaces are created with no errors, click **OK** to dismiss the screen.

8. Summary Screen

   Click **Create**. A "CREATE" screen will appear. If there are errors, some details about the error will be displayed on the Summary Screen. Fix the error messages and click **Next** again.

   After the schemas are created with no errors, click **OK** to dismiss the screen.

9. Completion Summary Screen

Click **Close**.

3.3 Install Oracle WebLogic Server and Create the Middleware Home

Oracle Portal, Forms, Reports, and Discoverer 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 install and start Oracle WebLogic Server.

1. Insert the Oracle WebLogic Server CD-ROM or download the installer from the following URL:

   http://www.oracle.com/technology/software/products/ias/htdocs/wls_main.html

   You are looking for the following executable files:

   - `wls1031_linux32.bin` (for 32-bit Linux systems)
   - `wls1031_win32.exe` (for 32-bit Windows systems)
   - `wls1031_generic.jar` (for all 64-bit platforms)

   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 Oracle Fusion Middleware certification document for a list of supported JDKs for your platform:

http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html

2. Run your installer file directly from the CD-ROM, or copy the file to your local system and run it locally.

   - Examples on a 32-bit system:

     On Linux:

     ```
     ./wls1031_linux32.bin
     ```

     On Windows:

     ```
     wls1031_win32.exe
     ```

   - Examples on a 64-bit system:

     On UNIX:

     ```
     JAVA_HOME/bin/java -jar wls1031_generic.jar
     ```

     or

JAVA_HOME/bin/java -d64 -jar wls1031_generic.jar

On Windows:

JAVA_HOME\bin\java -jar wls1031_generic.jar

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 JDK's (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.

3. Welcome Screen

   Click **Next**.

4. 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 Oracle Portal, Forms, Reports, and Discoverer.

   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**.

5. 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**.

6. Choose Install Type Screen

   Select **Typical**.

   Click **Next**.

7. 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**.

8. 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**.

9. Installation Summary Screen

   Click **Next**.

10. Installation Progress Screen

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

11. Installation Complete Screen

    De-select **Run Quickstart**.

    Click **Done**.

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

3.4 Install Oracle Internet Directory for Oracle Portal

Oracle Portal requires an existing Oracle Internet Directory (OID) with Oracle Single Sign-On (SSO). If you are also installing Oracle Forms, Reports, or Discoverer, you will have the option to configure those products with an OID, but it is not mandatory for those products.

The following OID/SSO combinations are supported:

- Oracle Internet Directory 10*g* (10.1.4.3) with Oracle Single Sign-On 10*g* (10.1.4.3)

- Oracle Internet Directory 11*g* (11.1.1) with Oracle Single Sign-On 10*g* (10.1.4.3)

If you are not able to use an existing 10*g* Oracle SSO server, follow this sequence of steps to add a new Oracle SSO server:

1. Install either Oracle Internet Directory 10*g* (10.1.4.3) or Oracle Internet Directory 11*g* (11.1.1) on your system.
2. Install Oracle Single Sign-On 10*g* (10.1.4.3) on your system in a different Oracle Home location than your Oracle Internet Directory installation.

   Either during or after you install Oracle Single Sign-On, you must hook up Oracle Single Sign-On with your Oracle Internet Directory installation. For more information, see *Oracle Fusion Middleware Installation Guide for Oracle Identity Management*.

   If you installed Oracle Internet Directory 11*g* (11.1.1), you can also refer to *Oracle Fusion Middleware Quick Installation Guide for Oracle Identity Management*.
3. Test your Oracle Single Sign-On configuration to make sure that it is working properly.

4. Install Oracle Portal, Forms, Reports and Discoverer 11*g* Release 1 (11.1.1). During configuration, you will be able to hook up your installation with Oracle Single Sign-On.

3.5 Install and Configure 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*.

3.6 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.

3.6.1 For UNIX Platforms On UNIX 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
```

3.6.2 For Windows x86 Platforms On Windows systems, install a loopback adapter on the DHCP server (see Section 3.6.3,

"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.

3.6.3 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.

3.6.4 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**.

3.7 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 3.6, "Installing on DHCP Host" to install a loopback adapter and modify the `hosts` file on your system.

3.8 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) 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.

4 Installation Types

The Oracle Portal, Forms, Reports, and Discoverer 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 access the Welcome Page 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 *ORACLE_HOME*`/bin` (on UNIX) or *ORACLE_HOME*`\bin` (on 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.

5 Installing and Configuring Oracle Portal, Forms, Reports, and Discoverer

The instructions in this section describe how to install and configure Oracle Portal, Forms, Reports, and Discoverer on a single host by choosing the **Install and Configure** installation type.

Note: Make sure you are not logged in to the WebLogic Server Administration Console before you install and configure Oracle Portal, Forms, Reports, and Discoverer.

To install and configure Oracle Portal, Forms, Reports, and Discoverer:

1. Insert the CD-ROM.
2. Start the installer.

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

On UNIX systems:

```
./runInstaller
```

On Windows systems:

```
setup.exe
```

3. Welcome Screen

   Click **Next**.

4. Specify Installation Type Screen

   Select **Install and Configure**.

   Click **Next**.

5. Prerequisite Checks Screen

   Click **Next**.

6. Select Domain Screen

   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**.

7. Specify Email for 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 Oracle Configuration Manager, leave all the fields on this screen blank.

   Click **Next**.

8. 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.

  If you specify a directory that already exists, it must be an empty directory and it must be inside the Oracle Middleware Home.

  If you specify a new directory, it will be created inside the Oracle Middleware Home.
- **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 Installation Planning Guide*.

Click **Next**.

9. Configure Components Screen

   By default, all of the System Components and Management Components are selected. Leave the default values as they are.

   De-select the **Clustered** checkbox.

   Click **Next**.

10. Configure Ports Screen

    Select **Auto Port Configuration**.

    Click **Next**.

11. Specify Schema Screen

    In the Database Connect String field, specify the connection credentials to your database in the following format:

    hostname:*port*:*servicename*

    In the table, specify the name and password for the PORTAL schema. The schema name was specified on the Select Components Screen when you ran RCU to create the schema. The schema password was specified on the Schema Passwords Screen.

    Click **Next**.

12. Specify Portlet Schema Screen

    This screen is only visible if your database contains 11*g* Release 1 (11.1.1) schemas. If your database contains schemas from 10*g* Release 2 (10.1.2) or earlier, you will not see this screen.

    In the table, specify the name and password for the PORTLET schema. The schema name was specified on the Select Components Screen when you ran RCU to create the schema. The schema password was specified on the Schema Passwords Screen.

Click **Next**.

13. Specify Application OID Screen

    Specify the credentials to connect to your Oracle Internet Directory server:

    - **Hostname:** Enter the host name of your LDAP server.
    - **Port:** Enter the port number of your LDAP server. If you do not know the port number, you can run the `netstat -an` command from the command line to see the port numbers currently being used.
    - **User Name:** Enter an existing LDAP user name with superuser privileges. The default user name is `cn=orcladmin`.
    - **Password:** Enter the password for the LDAP user.

    Click **Next**.

14. Installation Summary Screen

    Click **Install**.

15. Installation Progress Screen

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

16. Configuration Screen

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

17. Installation Completed 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**.

6 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

6.1 Verifying 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 *ORACLE_HOME*`/oraInst.loc` file. On Windows systems, the default location for the inventory directory is `C:\Program Files\Oracle\Inventory\logs`.

6.2 Verifying the Domain Server Logs

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

On UNIX systems:

ORACLE_HOME`/user_projects/domains/`*domain_name*`/servers/`*server_name*

On Windows systems:

ORACLE_HOME\user_projects\domains*domain_name*\servers*server_name*

6.3 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. The example below shows the output on a UNIX 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 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
```

6.4 Checking Browser URLs

The Install Completed Screen contains URLs that can be used to access your installed and configured products, as shown in Table 5:

Table 5 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 Portal	`http://host:port/portal/pls/portal`
Oracle Forms	`http://host:port/forms/frmservlet`
Oracle Reports	`http://host:port/reports/rwservlet`
Oracle Discoverer Viewer	`http://host:port/discoverer/viewer`

7 Deinstalling Oracle Portal, Forms, Reports and Discoverer

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

- Stopping Oracle Fusion Middleware

- Removing the Oracle Portal and Oracle Discoverer Schemas
- Deinstalling Oracle Portal, Forms, Reports, and Discoverer
- Deinstalling Oracle WebLogic Server
- Deinstalling Oracle JDeveloper
- Removing the Oracle Home and JDeveloper Home Directories

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.

7.1 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:

   MW_HOME/user_projects/domains/*domain_name*/bin/stopManagedWeblogic.sh *managed_server_nanme admin_url username password*

   On Windows:

   MW_HOME\user_projects\domains*domain_name*\bin\stopManagedWeblogic.cmd *managed_server_nanme admin_url username password*

4. Stop WebLogic Administration Server.

   On UNIX:

   MW_HOME/user_projects/domains/*domain_*

name/bin/stopWeblogic.sh *username password admin_url*

On Windows:

MW_HOME\user_projects\domains*domain_name*\bin\stopWeblogic.cmd *username password admin_url*

7.2 Removing the Oracle Portal and Oracle Discoverer Schemas

Run the Repository Creation Utility (RCU) to drop the Oracle Portal and Oracle Discoverer schemas from your database.

7.2.1 Starting RCU Insert the RCU CD-ROM and start RCU from the `rcuHome/bin` (on UNIX) or `rcuHome\bin` (on Windows) directory:

On UNIX:

```
./rcu
```

On Windows:

```
rcu.bat
```

If you download the RCU `.zip` file from OTN, then you can also start RCU as shown above from the `rcuHome/bin` (on UNIX) or `rcuHome\bin` (on Windows) directory on your system.

7.2.2 Instructions for Dropping the Schemas Follow the instructions below to drop the Oracle Portal and Oracle Discoverer schemas:

1. Welcome Screen

   Click **Next**.

2. Create Repository Screen

   Select **Drop**.

   Click **Next**.

3. Database Connection Details Screen

   Provide the following credentials to connect to your Oracle database. These are the same credentials you provided on this screen when you created the schemas. See Section 3.2, "Create Schemas for Oracle Portal and Oracle Discoverer" for more information.

   Click **Next**. A "Checking Prerequisites" screen will appear. If there are errors, some details about the error will be displayed

on the Database Connection Details Screen. Fix the error messages and click **Next** again.

After the checking is complete with no errors, click **OK** to dismiss the screen.

4. Select Components Screen

   Select the prefix and schemas you want to drop from the repository.

   Click **Next**. A "Checking Prerequisites" screen will appear. If there are errors, some details about the error will be displayed on the Select Components Screen. Fix the error messages and click **Next** again.

   After the checking is complete with no errors, click **OK** to dismiss the screen.

5. Summary Screen

   Click **Drop**. A "DROP" screen will appear. If there are errors, some details about the error will be displayed on the Summary Screen. Fix the error messages and click **Next** again.

   After the schemas are dropped with no errors, click **OK** to dismiss the screen.

6. Completion Summary Screen

Click **Close**.

7.3 Deinstalling Oracle Portal, Forms, Reports, and Discoverer

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

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

This section describes how to remove the entire Oracle Home directory. For more information about the other deinstall types, refer to "Deinstalling Oracle Portal, Forms, Reports, and Discoverer" in *Oracle Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer*.

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.

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

7.3.1 Starting the Deinstaller

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

On UNIX systems:

```
./runInstaller -deinstall
```

On Windows systems:

```
setup.exe -deinstall
```

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

7.3.2 Deinstallation Screens and Instructions

Follow the instructions below to remove the installed software.

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 **Next** to continue.

4. Deinstall Progress Screen

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

5. Deinstall Complete Screen

   Click **Finish**.

7.4 Deinstalling Oracle WebLogic Server

To deinstall Oracle WebLogic Server:

1. Start the deinstaller from the *WebLogic_Home*/uninstall (for UNIX) or *WebLogic_Home*\uninstall (for Windows) directory. You specified the location of the WebLogic Home directory on the Choose Product Installation Directories Screen in Section 3.3, "Install Oracle WebLogic Server and Create the Middleware Home".

   On UNIX systems:

```
./uninstall.sh
```

On Windows systems:

```
uninstall.cmd
```

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

2. Welcome Screen

   Click **Next**.

3. Choose Components Screen

   By default, all components are selected.

   Click **Next**.

4. Uninstalling WebLogic Platform Screen

   Click **Done**.

7.5 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.

7.6 Removing the Oracle Home and JDeveloper Home Directories

Manually remove the Oracle Home directory and all sub-directories. For example, if your Oracle Home directory was `/home/Oracle/Middleware/as_1` on a UNIX system:

```
> cd /home/Oracle/Middleware
> rm -rf as_1
```

On a Windows system, if your Oracle Home directory was `C:\Oracle\Middleware\Home1`, use a file manager window and navigate to the `C:\Oracle\Middleware` directory, then right-click on the `Home1` folder and select **Delete**.

Repeat this procedure for your Oracle JDeveloper installation directories, as the deinstaller removes the software but not all of the installation directories. Before doing so, be sure to make copies of the projects you want to save.

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

- Oracle Fusion Middleware 11.1.1.1.0
- Oracle Portal 11g - Home1
- Oracle WebLogic

8 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 Documentation CD-ROM.

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/technology/documentation.

8.1 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://metalink.oracle.com.

8.2 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.

8.3 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.

8.4 Quick Reference

For quick access to additional information, refer to Table 6:

Table 6 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

Table 6 (Cont.) Links to Additional Information and Resources

I want to...	Contact Information or Web Site
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

9 Documentation Accessibility

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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`.