

Oracle[®] Enterprise Manager

Installation Guide for Oracle Enterprise Manager with Change Management, Diagnostics,
and Tuning Packs

Release 2.2 for Windows NT, Windows 95 and Windows 98

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Preface

This guide is your primary source of introduction, installation, post-installation, and configuration information for installing Oracle Enterprise Manager with Change Management, Diagnostics, and Tuning Packs.

The specific topics discussed in this guide include:

- [Oracle Enterprise Manager's Three-Tier Framework](#)
- [Hardware and Software Requirements](#)
- [Installable Components](#)
- [Installing Oracle Enterprise Manager and Management Packs](#)
- [Deinstalling Oracle Enterprise Manager and the Management Packs](#)

IMPORTANT: Before installing, please review the *Readme for Oracle Change Management, Diagnostics, and Tuning Packs*. This readme is located at the top level directory of the Oracle Enterprise Manager with Change Management, Diagnostics, and Tuning Packs CD-ROM.

Related Publications

Once you have installed the products you should review the documentation for each of the installed components for post-installation configuration information. (Note that not all components will require post-installation configuration.) The table below lists the documents that are currently available for the Oracle Enterprise Manager and the management packs. Installed documentation can be found by

navigating to: Start=>Programs=>Oracle=>*ORACLE_ENTERPRISE_MANAGER_HOME_NAME*=> *ORACLE_MANAGEMENT_PACK_NAME*=> Documentation
(where *ORACLE_MANAGEMENT_PACK_NAME* is the name of the particular Oracle Management Pack; Oracle Tuning Pack, for example.)

If you need information on...	See...
Oracle Enterprise Manager Console	Oracle Enterprise Manager Documentation Set (available from the database CD-ROM), includes: <i>Oracle Enterprise Manager Readme</i> <i>Oracle Enterprise Manager Administrator's Guide</i> <i>Oracle Enterprise Manager Messages Manual</i> <i>Oracle Enterprise Manager Configuration Guide</i> <i>Oracle Enterprise Manager Concepts Guide</i> <i>Oracle Intelligent Agent User's Guide</i>
Oracle Change Management Pack	<i>Oracle Enterprise Manager Getting Started with Oracle Change Management Pack</i>
Oracle Diagnostics Pack	Oracle Diagnostics Pack Documentation Set, includes: <i>Getting Started with the Oracle Diagnostics Pack</i> <i>Oracle Enterprise Manager Oracle Trace User's Guide</i>
Oracle Tuning Pack	<i>Oracle Enterprise Manager Database Tuning with the Oracle Tuning Pack</i>

Before You Begin

Before you begin installing any of the components contained on the Oracle Enterprise Manager with Change Management, Diagnostics, and Tuning Packs CD-ROM, be sure to review this chapter. You will learn the basic concepts behind Oracle Enterprise Manager's three-tier architecture, the hardware and software requirements, and the components that are available for each installation.

IMPORTANT: The Oracle Change Management, Oracle Diagnostics, and Oracle Tuning Packs are separately licensable components. Contact your sales representative or visit the online Oracle Store (<http://oraclestore.oracle.com>) for more information on obtaining a license.

Oracle Enterprise Manager's Three-Tier Framework

Oracle Enterprise Manager architecture consists of a three-tier framework. Unlike a two-tier client-server structure, a three-tier architecture provides reliability, scalability, and fault tolerance for enterprise environments. Oracle Enterprise Manager tiers include:

- Console and Management Applications—First Tier

The first tier maintains the graphical user interface management applications such as:

- Enterprise Manager Console (GUI-based management application)
- Administrative tools for all management tasks
- Oracle Management Pack applications

- Oracle Management Server(s)—Second Tier

The second tier processes system management tasks sent by the console. This tier provides centralized intelligence and distributed control between the console (first tier) and the managed nodes (third tier). Specifically, the second tier maintains:

- One or more Oracle Management Servers
- A repository that stores system data, application data, information about the state of the managed nodes, and information about any system management packs

Note: Even if you install more than one Oracle Management Server in the middle tier, you will only need one repository. The Management Servers can share the information from one repository to provide reliability and fault tolerance.

- Managed nodes containing databases and other services—Third Tier

A managed node is any machine on your network that has a database and other services that you want to administer. Specifically a managed node can have:

- Databases
- Services (such as the Oracle Intelligent Agent and data collection service)

The flexibility of a three-tier architecture enables you to install the tiers on the same machine or on separate machines—whatever makes sense for your environment.

Keep in mind, however, that it is important to install the Oracle Management Server (middle tier) on a node that will be stable.

For more information on the Oracle Enterprise Manager three-tier framework, see the *Oracle Enterprise Manager Concepts Guide*.

Hardware and Software Requirements

Review the Hardware and Software Requirements table *before* you begin installing the Oracle Enterprise Manager and Management Pack applications. You can run Oracle Enterprise Manager components in any configuration depending on your management environment. The following table shows the basic requirements.

Table 1–1 System Requirements for the Oracle Enterprise Manager and Management Packs

Requirement	Oracle Enterprise Manager Client and Oracle Management Packs	Management Server	Oracle Enterprise Manager Client, Oracle Management Packs, and Management Server
Operating System ¹	Windows NT 4.0, Windows 95, Windows 98	Windows NT 4.0, Solaris 2.6 and 2.7	Windows NT 4.0, Windows 95, Windows 98 (Windows NT 4.0 or Solaris required for Management Server)
Windows NT 4.0 Service Pack	Service Pack 4.0 or above	Service Pack 4.0 or above	Service Pack 4.0 or above
Recommended Processor	Pentium 266 or SPARC 20	Pentium II 300	Pentium II 400 or SPARC Ultra 1
RAM	128 MB	128 MB	256 MB
Hard Disk	190 MB	150 MB	190 MB (on NTFS) ²

¹ The Oracle Enterprise Manager console can also be installed on a Solaris 2.6 or 2.7 machine. Running the Enterprise Manager Console from a web browser requires 128 MB RAM. Running the web site and Oracle Apache HTTP Server requires 102 MB.

² FAT can consume as much as four times as much disk space as NTFS. 190 MB includes 6-26 MB for configuring the repository.

Note: The requirements outlined above assume a database repository for Oracle Enterprise Manager already exists. If a database has not been installed, you must install one. For recommended system and hardware requirements for an Oracle database, refer to the installation guide provided with your database release.

Installable Components

The table below lists all of the components that are available from this CD-ROM. For information about which components are installed based on your installation selection, see [Selecting Top-Level Components to Install](#) on page 2-3.

Component	Version
Oracle Enterprise Manager, includes three main components:	2.2.0.0.0
1. Oracle Enterprise Manager Client includes:	2.2.0.0.0
■ Oracle Enterprise Manager Console	2.2.0.0.0
■ Oracle DBA Management Pack, includes:	2.2.0.0.0
Oracle DBA Studio	2.2.0.0.0
Oracle Instance Manager	2.2.0.0.0
Oracle Schema Manager	2.2.0.0.0
Oracle Security Manager	2.2.0.0.0
Oracle Storage Manager	2.2.0.0.0
SQL *Plus Worksheet	2.2.0.0.0
■ Oracle Enterprise Manager Integrated Applications, includes:	2.2.0.0.0
Oracle Parallel Server Manager	2.2.0.0.0
Oracle <i>inter</i> Media Text Manager	2.2.0.0.0
Oracle Replication Manager	2.2.0.0.0
Oracle Applications Manager	2.2.0.0.0
Oracle Applications Server Manager	2.2.0.0.0
Oracle Developer Server Forms Manager	2.1.0.0.0
Oracle Spatial Index Advisor	2.2.0.0.0
Oracle Directory Manager	2.1.1.0.0
Oracle Enterprise Security Manager	2.0.0.1.0
■ Oracle Enterprise Manager Quick Tours, includes:	2.2.0.0.0
Oracle Enterprise Manager Quick Tour	2.2.0.0.0
Oracle DBA Management Pack Quick Tour	2.2.0.0.0

Component	Version
Oracle Change Management Pack Quick Tour	2.2.0.0.0
Oracle Diagnostics Pack Quick Tour	2.2.0.0.0
Oracle Tuning Pack Quick Tour	2.2.0.0.0
Oracle Management Pack for Oracle Applications Quick Tour	2.2.0.0.0
Oracle Management Pack for SAP R/3 Quick Tour	2.2.0.0.0
Oracle Standard Management Pack Quick Tour	2.2.0.0.0
2. Oracle Intelligent Agent, includes:	8.1.7.0.0
Paging Service Agent Extensions ¹	8.1.7.0.0
3. Oracle Management Server, includes:	2.2.0.0.0
■ Oracle Enterprise Manager Configuration Assistant	2.2.0.0.0
■ Oracle Enterprise Manager Migration Assistant	2.2.0.0.0
Java Runtime Environment	1.1.7.300
Net8 Client, includes:	8.1.7.0.0
■ Net8 Assistant	8.1.7.0.0
■ Net8 Configuration Assistant	8.1.7.0.0
Oracle Universal Installer (OUI)	1.7.0.19.0
Oracle Enterprise Manager Web Site ²	2.2.0.0.0
*Oracle Change Management Pack, includes ³ :	2.2.0.0.0
Baseline Viewer	2.2.0.0.0
Change Manager	2.2.0.0.0
DB Alter	2.2.0.0.0
Create Baseline	2.2.0.0.0
Compare Database Objects	2.2.0.0.0
DB Propagate	2.2.0.0.0
DB Quick Change	2.2.0.0.0
Find Database Objects	2.2.0.0.0
Plan Editor	2.2.0.0.0

Component	Version
Oracle Change Management Pack Documentation	2.2.0.0.0
*Oracle Diagnostics Pack, includes:	2.2.0.0.0
Oracle Advanced Events	2.2.0.0.0
Oracle Capacity Planner	2.2.0.0.0
Oracle Performance Manager	2.2.0.0.0
Oracle TopSessions	2.2.0.0.0
Oracle Trace Manager	2.2.0.0.0
Oracle Trace Data Viewer	2.2.0.0.0
SQL Server Monitoring Option	2.2.0.0.0
Oracle e-Business Tools ⁴	2.2.0.0.0
Oracle Diagnostics Pack Documentation	2.2.0.0.0
*Oracle Tuning Pack, includes:	2.2.0.0.0
Oracle Expert	2.2.0.0.0
Oracle Index Tuning Wizard	2.2.0.0.0
Oracle SQL Analyze	2.2.0.0.0
Oracle Tablespace Map	2.2.0.0.0
Reorg Wizard	2.2.0.0.0
Oracle Tuning Pack Documentation	2.2.0.0.0

¹ To use Oracle Enterprise Manager's paging functionality, install the Paging Service Agent Extensions in an Oracle Intelligent Agent Release 8.1.7 Oracle Home. Installing these extensions in any other Oracle Home is not supported.

² The Oracle Enterprise Manager Web Site can only be installed from a Custom Installation. The web site enables you to launch the Oracle Enterprise Manager console in a browser. Management Packs are not browser-enabled.

³ IMPORTANT: The Oracle Management Packs marked with an "*" are sold separately and require individual licenses.

⁴ Oracle e-Business Tools require PERL version 5 or higher. The Oracle e-Business Tools support Apache HTTP server version 1.3.9 or higher and Oracle iAS (Internet Application Server).

Installing Oracle Enterprise Manager and Management Packs

This chapter provides an overview of how to install Oracle Enterprise Manager and the Management Pack components.

Specific topics discussed are:

- [What is Oracle Universal Installer?](#)
- [Specifying the Installation Location](#)
- [Selecting Top-Level Components to Install](#)
- [Selecting an Oracle Management Server Repository](#)
- [Reviewing the Installation Summary](#)
- [Post-Installation Configuration](#)

What is Oracle Universal Installer?

Oracle Universal Installer is a Java-based tool that enables you to install Oracle Components from your CD-ROM. Oracle Universal Installer provides the following capabilities:

- Component and suite installations
- National language/globalization support
- Removal of installed components
- Multiple Oracle homes support

The Oracle Universal Installer is essentially an installation wizard that walks you through a series of screens prompting you for specific information. The following sections describe a typical installation using the Oracle Universal Installer.

Using the Oracle Universal Installer

The **Welcome screen** is the first screen that appears when you start Oracle Universal Installer. From the Welcome screen you can:

- Deinstall existing Oracle products by clicking the **Deinstall Products...** button
- Get information about this release of the Oracle Universal Installer by clicking the **About Oracle Universal Installer...** button

From any of the Oracle Universal Installer screens you can:

- Get information on previously installed Oracle products by clicking the **Installed Products...** button
- Quit the installation process by clicking the **Exit** button
- Get help on the specific Oracle Universal Installer screen by clicking the **Help** button
- Move to the Previous screen by clicking the **Previous** button
- Move to the Next screen by clicking the **Next** button

Specifying the Installation Location

The **File Locations** screen of the Oracle Universal Installer prompts you to enter the name and destination of the Oracle Home you will be using as an installation location. You have several installation options based on your existing system setup. The table below lists the typical installation location options:

Note: Using the old Oracle Installer (the pre-Oracle Universal Installer shipped with releases 7.x and 8.0.x) to install components into a release 8.1 Oracle home directory is not supported. Likewise, you cannot install release 8.1.7 components into a release 7.x, 8.0.x, 8.1.3, or 8.1.4 Oracle home.

If you are installing...	Your installation options are...
Oracle Enterprise Manager and the Management Packs	<ul style="list-style-type: none"> ■ Install into an existing release 8.1.7 Oracle home ■ Install into a new Oracle home
One or more of the management packs ¹	<ul style="list-style-type: none"> ■ Install into an existing release 8.1.7 Oracle home that contains Oracle Enterprise Manager release 2.2 ■ Install into a new Oracle home
Oracle Enterprise Manager only	<ul style="list-style-type: none"> ■ Install into an existing release 8.1.7 Oracle home ■ Install into a new Oracle home

¹ Oracle Enterprise Manager release 2.2 (the base console) is automatically installed if an existing release 2.2 is not detected in the specified Oracle home.

Important: You can have only 1 installation of Enterprise Manager release 2.2 on a machine. If you already have an installation of Enterprise Manager release 2.2, make sure to install any Management Packs into the existing Oracle home. If you have multiple installations of Oracle8i or 8.1.7, make sure you deinstall all unnecessary copies of Enterprise Manager before installing any of the Management Packs.

Selecting Top-Level Components to Install

The Oracle Universal Installer allows you to install all or some of the components contained on the Oracle Enterprise Manager with Change Management, Diagnostics, and Tuning Packs CD-ROM. The **Available Products** screen provides two Top-Level component options:

- Oracle Enterprise Manager Packs and Management Infrastructure 2.2.0.0.0
- Oracle Enterprise Manager Packs 2.2.0.0.0

Chapter 1 discussed all of the components that are available from this CD-ROM. This chapter will identify which components get installed based on the installation choices you make. Both of the top-level component options allow you to select either a Typical or Custom installation from the **Installation Types** screen. The following table lists the two top-level component options and their installation types.

This Top-Level Component...	Consists of these installation types...
Oracle Enterprise Manager Packs and Management Infrastructure 2.2.0.0.0	Typical¹ Installs Oracle Enterprise Manager, DBA Management Pack, Diagnostics Pack, Tuning Pack, Change Management Pack, and Oracle Management Server.
	Custom Allows you to select which components to install. Select this option if you wish to install the Oracle Enterprise Manager Web Site. The web site can be used to launch the Oracle Enterprise Manager console. (Management Packs are not browser-enabled.)
Oracle Enterprise Manager Packs 2.2.0.0.0	Typical Installs Oracle Enterprise Manager, DBA Management Pack, Diagnostics Pack, Tuning Pack, and Change Management Pack. Select this Top-Level Component if you will be using an existing Oracle Management Server.
	Custom Allows you to select which components to install.

¹ For detailed information on all of the components that are associated with each of the management packs, see ["Installable Components"](#) on page 1-4

Selecting an Oracle Management Server Repository

If you selected Oracle Enterprise Manager Packs and Management Infrastructure 2.2.0.0.0 as your top-level component for installation, the Oracle Universal Installer will prompt you to specify whether the Oracle Management Server should use an existing repository or create a new one. The table below describes each option:

Select...	In this situation...
existing repository	You have already installed another Oracle Management Server and created a repository, and you want this Oracle Management Server to manage the same computers; therefore you want to share the repository.

Select...	In this situation...
new repository	You have <i>not</i> installed another Oracle Management Server or repository, or you want a completely separate management setup.

Note: If you selected Oracle Enterprise Manager Packs and Management Infrastructure 2.2.0.0.0 as your top-level component for installation, the Oracle Enterprise Manager Configuration Assistant will start automatically at the end of the installation. See the *Oracle Enterprise Manager Configuration Guide* for more information.

Reviewing the Installation Summary

Once you have set all of your installation options, the Oracle Universal Installer shows you a **Summary** screen of all of the products to be installed. This summary enables you to verify that all of the components you want to install are included. Once you have verified that the summary includes all of the components you wish to install, click the **Install** button to begin the installation.

Note: At the end of every installation the Net8 Configuration Assistant is launched. You can use this wizard to configure a tnsnames.ora file to set up direct database connections without using an Oracle Management Server. If you do not wish to configure your tnsnames.ora file at this time or if you will be using an Oracle Management Server for your connections, you can click Cancel to close the wizard.

Post-Installation Configuration

After the installation has completed, you may still have some additional configuration tasks to perform before using the management pack applications. For post-installation configuration information, see the documentation associated with each of the packs you have installed. (Note that some components do not require any additional configuration tasks.)

See [Related Publications](#) on page vii for information about the documents available for these management packs.

Deinstalling Oracle Enterprise Manager and the Management Packs

The best way to deinstall an Oracle product is to use the Oracle Universal Installer's deinstall option. The Oracle Universal Installer warns you of any product dependencies that might cause problems if particular products are removed, and prompts you to confirm the deinstallation.

Using Oracle Universal Installer to Remove Components

To remove Oracle products, do the following:

1. Start the Oracle Universal Installer from the Start Menu.

The Oracle Universal Installer **Welcome Screen** appears.

2. Click the **Deinstall Products** button.

The **Inventory Screen** appears.

3. Select the product(s) you want to remove and click the **Remove** button.

Another screen appears asking if you want to remove the product(s) and their dependent component(s).

4. Click the **Yes** button.

Note: The Java Runtime Environment (JRE) should only be deinstalled when the last product that depends on it is deinstalled.
