

Oracle[®] Enterprise Manager

Oracle Management Pack for Oracle Applications Installation

Release 2.2 for Windows and Solaris Platforms

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Oracle Management Pack for Oracle Applications Installation, Release 2.2 for Windows and Solaris Platforms

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Preface

This guide is your primary source of information for installing the Oracle Management Pack for Oracle Applications.

The specific topics discussed in this guide include:

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

Important: Before installing, please review the *Oracle Management Pack for Oracle Applications Readme*. The *Readme* is located at the top level directory of the Oracle Management Pack for Oracle Applications CD-ROM.

Related Publications

Once you have installed the Management Pack for Oracle Applications, you should review the *Getting Started with the Oracle Management Pack for Oracle Applications* for post-installation configuration information.

The following table lists the documents that are currently available for the Oracle Enterprise Manager and the Management Pack for Oracle Applications.

Note: The Oracle Enterprise Manager Pack Readmes are located in the ORACLE_HOME/relnotes/EM directory.

If you need information on...	See...
Oracle Enterprise Manager Console	<p>Oracle Enterprise Manager Documentation Set includes:</p> <p><i>Oracle Enterprise Manager Readme</i></p> <p><i>Oracle Enterprise Manager Administrator's Guide</i></p> <p><i>Oracle Enterprise Manager Messages Manual</i></p> <p><i>Oracle Enterprise Manager Configuration Guide</i></p> <p><i>Oracle Enterprise Manager Concepts Guide</i></p> <p><i>Oracle Intelligent Agent User's Guide</i></p> <p>Once installed, these documents can be found by navigating from the Start menu: Start=>Programs=><ORACLE_HOME>=>Enterprise Manager=>Documentation</p> <p>Note: The Oracle Enterprise Manager base documentation is installed when you perform a Custom install and choose the Enterprise Manager Documentation component. This documentation is also available from the Oracle Documentation CD-ROM.</p>
Oracle Management Pack for Oracle Applications	<p>Oracle Management Pack for Oracle Applications Documentation Set includes:</p> <p><i>Oracle Management Pack for Oracle Applications Readme</i></p> <p><i>Getting Started with the Oracle Management Pack for Oracle Applications</i></p> <p>The <i>Oracle Management Pack for Oracle Applications Readme</i> can be found by navigating from the Start menu: Start=>Programs=><ORACLE_HOME>=>Release Notes=>Oracle Management Pack for Oracle Applications Readme</p> <p>The <i>Getting Started with the Oracle Management Pack for Oracle Applications</i> can be found by navigating from the Start menu: Start=>Programs=><ORACLE_HOME>=>Management Pack for Oracle Applications=>Documentation</p>

Before You Begin

Before you begin installing the Oracle Management Pack for Oracle Applications (hereafter referred to as the Management Pack for Oracle Applications), 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 the installation.

Important: The Management Pack for Oracle Applications is a separately licensed component. Be sure to obtain a license from Oracle Corporation before installing the Management Pack for Oracle Applications. 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

The 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:

- Consoles (GUI-based management applications)
- 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 or 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—what ever 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 for Oracle Applications. You can run Oracle Enterprise manager components in any configuration depending on your management environment. [Table 1–1](#) shows the basic requirements.

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

Requirement	Management Pack for Oracle Applications and Enterprise Manager Client	Management Pack for Oracle Applications, Enterprise Manager Client, and Management Server	Agent Extensions ¹
Operating System ²	Windows NT 4.0, Windows 95, Windows 98, Windows 2000, Solaris 2.6 ³	Windows NT 4.0, Windows 2000, and Solaris 2.6 ^{3 4}	Solaris 2.5.1
Windows NT 4.0 Service Pack	Service Pack 4.0 or above	Service Pack 4.0 or above	Not Applicable
Recommended Processor	Pentium 266 or SPARC 20	Pentium II 400 or SPARC Ultra 1	Not Applicable
RAM	64 MB	128 MB	Not Applicable
Hard Disk	160 MB	200 MB (on NTFS) ⁵	15 MB

¹ Agent Extensions are only for the Solaris 2.5.1 platform

² Running the Enterprise Manager Console from a web browser requires 128 MB RAM.

³ Of the Management Pack for Oracle Applications components, only the Oracle Applications Advanced Events are available on Solaris.

⁴ Windows NT 4.0, Windows 2000, or Solaris are required for the Management Server.

⁵ FAT can consume as much as four times as much disk space as NTFS.

Note: The requirements previously outlined 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.

Requirements for Installing the Oracle Intelligent Agent on the Concurrent Manager Node

The Management Pack for Oracle Applications release 2.2 requires an Oracle Intelligent Agent, along with its Data Gathering Service, to be running on the Concurrent Manager node. [Table 1-2](#) lists the platforms and versions of the Intelligent Agent supported for the Management Pack for Oracle Applications.

Table 1-2 Platforms and Versions of the Intelligent Agent

Platform	Version of Intelligent Agent	Agent Extensions Patch Required?	Where to Obtain Agent Extensions
Windows NT 4.0	8.1.5	Yes	V2.0.4 Pack CD
	8.1.6	No ¹	Not Applicable (N/A)
	8.1.7	No ¹	N/A
Solaris 2.6	8.1.5	Yes	V2.0.4 Pack CD ²
	8.1.6	Yes	V2.1 Pack CD
	8.1.7	No ¹	N/A
Solaris 2.5.1	8.0.6	Yes	V2.2 Pack CD
Intel Solaris V4	8.1.6	Yes	Order patch to bug 1146501
	8.1.7	No ¹	N/A
HP-UX 11 32 bit	8.1.6	Yes	Order patch to bug 1146536
	8.1.7	No ¹	N/A
IBM AIX 4	8.1.6	Yes	Order patch to bug 1146526
	8.1.7	No ¹	N/A

Table 1–2 Platforms and Versions of the Intelligent Agent (Cont.)

Platform	Version of Intelligent Agent	Agent Extensions Patch Required?	Where to Obtain Agent Extensions
Compaq Tru64	8.1.6	Yes	Order patch to bug 1146551
	8.1.7	No ¹	N/A

¹ The Agent Extensions for Oracle Applications are part of the standard Intelligent Agent installation on the Oracle database installation media.

² Please obtain the Agent Extensions for Oracle Applications v2.0.4.0.1 patch from Oracle Worldwide Support.

See ["Installing the Oracle Intelligent Agent on the Concurrent Manager Node"](#) on page 2-6 for instructions on the installation procedure.

Other Requirements

[Table 1–3](#) lists additional requirements and options.

Table 1–3 Additional Requirements and Options

Requirement/Option	Explanation
Oracle Applications	Supported Versions: 10.7, 11.0, and 11i
Web Browser for Oracle Enterprise Manager Console (Optional)	Microsoft Internet Explorer 4.x, or Netscape 4.0.4 or above
Web Server for Oracle Enterprise Manager Console (Optional)	Oracle Application Server 4.0.7 or above, Xitami 2.3 or above, or IIS 4.0
Java Runtime Environment	<p>The Oracle Enterprise Manager Console and some components of the Management Pack for Oracle Applications require Java Runtime Environment (JRE), which is automatically installed with this CD-ROM installation.</p> <p>Note: The tools released on this CD-ROM are only certified against the version of the Java Runtime Environment (JRE) included on this CD-ROM. Do not use another version of the JRE with this software!</p>

Table 1–3 Additional Requirements and Options (Cont.)

Requirement/Option	Explanation
Number of processes	Make sure that the database storing the Enterprise Manager Repository has the maximum number of processes set to at least 200 in one of the following database settings files: For NT and Windows 2000: \$Oracle_Home\Database\init<SID>.ora For Solaris: \$Oracle_Home/dbs/init <SID>.ora After making the necessary adjustments (that is, processes = 200), shut down the database and then start it up again.

Installable Components

Table 1–4 lists the major components of Oracle Enterprise Manager that are available from this CD-ROM. For a complete list of installable components, refer to the **Summary** screen that displays when you install the product.

For information about which components are installed based on your installation selection, see "[Selecting Top-Level Components to Install](#)" on page 2-3.

Table 1–4 Major Components Available on CD-ROM

Component	Version
Oracle Enterprise Manager Client	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 include:	2.2.0.0.0
Oracle Parallel Server Manager	2.2.0.0.0
Oracle <i>interMedia</i> Text Manager	2.2.0.0.0

Table 1–4 Major Components Available on CD-ROM (Cont.)

Component	Version
Oracle Replication 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 include:	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
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
Oracle Management Server	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	1.1.7.30o
Net8 Client	8.1.7.0.0
■ Net8 Assistant	8.1.7.0.0
■ Net8 Configuration Assistant	8.1.7.0.0
Oracle Universal Installer (OUI)	1.7.1.5.0
Oracle Enterprise Manager Web Site ¹	2.2.0.0.0
Oracle Management Pack for Oracle Applications ²	2.2.0.0.0
■ Oracle Applications Advanced Event Tests	2.2.0.0.0
■ Oracle Capacity Planner	2.2.0.0.0
■ Concurrent Processing Tuning Assistant	2.2.0.0.0

Table 1–4 Major Components Available on CD-ROM (Cont.)

Component	Version
■ Oracle Performance Manager	2.2.0.0.0
■ Oracle Management Pack for Oracle Applications Documentation	2.2.0.0.0
Agent Extensions for Oracle Applications (Solaris 2.5.1 only)	2.2.0.0.0

¹ 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.

² **Important:** The Management Pack for Oracle Applications is sold separately and requires an individual license.

Installing the Oracle Management Pack for Oracle Applications

This chapter provides an overview of how to install the Management Pack for Oracle Applications and its components.

Specific topics discussed are:

- [What is Oracle Universal Installer?](#)
- [Using the 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](#)
- [Installing the Oracle Intelligent Agent on the Concurrent Manager Node](#)
- [Installing the Oracle Applications Agent Extensions on Solaris 2.5.1](#)

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
- Web-based 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.

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

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. [Table 2-1](#) 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, 8.1.6 or earlier Oracle home.

Table 2-1 *Typical Installation Location Options*

If you are installing...	Your installation options are...
Oracle Enterprise Manager and the Management Pack for Oracle Applications	<ul style="list-style-type: none"> ■ Install into an existing release 8.1.7 Oracle home ■ Install into a new Oracle home assuming no other Oracle home already has Enterprise Manager release 2.2 installed
Management Pack for Oracle Applications ¹	<ul style="list-style-type: none"> ■ Install into an existing 8.1.7 Oracle home that contains Oracle Enterprise Manager release 2.2 ■ Install into a new Oracle home assuming no other Oracle home already has Enterprise Manager release 2.2 installed

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.

Note: If you have an existing 7.x, 8.0.x, 8.1.6 or earlier Oracle home, you must create a new Oracle home for Oracle Enterprise Manager release 2.2. Oracle Universal Installer prevents you from installing into any unsupported Oracle homes.

Selecting Top-Level Components to Install

The Oracle Universal Installer allows you to install all or some of the components contained on the Oracle Management Pack for Oracle Applications CD-ROM. The **Available Products** screen provides the following Top-Level component options:

- Oracle Management Pack for Oracle Applications and Infrastructure 2.2.0.0.0
- Oracle Management Pack for Oracle Applications Client 2.2.0.0.0

["Installable Components"](#) on page 1-6 lists the major components that are available from this CD-ROM. This section identifies which components are installed based on

the installation choices you make. The top-level component options allow you to select either a Typical or Custom installation from the **Installation Types** screen. [Table 2–2](#) lists the top-level component options and their installation types.

Table 2–2 Top-Level Component Options and Their Installation Types

This top-level component...	Consists of these installation types...
Oracle Management Pack for Oracle Applications and Infrastructure 2.2.0.0.0	Typical Installs the Oracle Management Server along with the extensions for managing Oracle Applications. Also installs the Oracle Management Pack for Oracle Applications and the Oracle Enterprise Manager Client.
	Custom Allows you to select which components to install.
Oracle Management Pack for Oracle Applications Client 2.2.0.0.0	Typical Installs the Oracle Management Pack for Oracle Applications and the Oracle Enterprise Manager Client. Select this Top-Level Component if you will be using an existing Oracle Management Server.
	Custom Allows you to select which components to install.

Selecting an Oracle Management Server Repository

If you selected Oracle Applications Pack 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. [Table 2–3](#) describes each option.

Table 2–3 Repository Options

Type	In this situation...
existing repository (release 2.1)	Refer to the <i>Oracle Enterprise Manager Configuration Guide</i> for information about upgrading a release 2.1 repository to a release 2.2 repository.
existing repository (release 2.2)	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.

Table 2–3 Repository Options (Cont.)

Type	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 Applications Pack 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 your installation options, the Oracle Universal Installer shows you a summary 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 entry to your Oracle Applications instance. Alternatively, you can manually edit the local tnsnames.ora file as described in *Getting Started with the Oracle Management Pack for Oracle Applications*. If you do not wish to configure your tnsnames.ora file at this time, you can click **Cancel** to close the wizard.

Post Installation Configuration

After the installation has completed, you will have additional configuration tasks to perform before using the Management Pack for Oracle Applications. For post-installation configuration information, see the *Getting Started with the Oracle Management Pack for Oracle Applications* manual.

Installing the Oracle Intelligent Agent on the Concurrent Manager Node

The Management Pack for Oracle Applications installation media does not contain the 8.1.7 Intelligent Agent. You must install the Intelligent Agent from the Oracle 8i database installation media. The following are instructions for installing only the Intelligent Agent from the database media:

1. Launch the Oracle Universal Installer from the Oracle8i database installation media.
2. Select a new Oracle home for the Intelligent Agent. (Oracle highly recommends that you install the Intelligent Agent in its own Oracle home. This allows you to take advantage of updates to the Intelligent Agent without disrupting other Oracle products on your machine.)
3. Select **Oracle8i Enterprise Edition** from the list of available products.
4. Select **Custom** for the installation type.
5. Deselect all components. (You must deselect Oracle Product Options 8.1.7 before you can deselect Oracle 8i Server 8.1.7.) Under **Product Options** locate **Oracle Enterprise Manager Products 8.1.7** and select it. Select **Oracle Intelligent Agent 8.1.7** and continue with the installation.
6. As indicated in [Table 1-2](#), obtain and apply the Agent Extensions for Oracle Applications Management as needed.

With certain limitations, it is possible to monitor and manage Concurrent Managers on platforms other than the ones listed in [Table 1-2](#). See "[Monitoring Concurrent Managers on Platforms Where a Supported Intelligent Agent Does Not Exist](#)" on page 2-7 for more information.

Installing the Oracle Applications Agent Extensions on Solaris 2.5.1

The Management Pack for Oracle Applications installation media contains the Oracle Applications Agent Extensions for the 8.0.6 Intelligent Agent on Solaris 2.5.1. Before installing the Agent Extensions, you must install the 8.0.6 Intelligent Agent from the Oracle 8.0.6 database installation media. Once the Intelligent Agent is in place, you can install the extensions into the same Oracle Home by launching the following from the shell:

```
/cdrom/amp_22/solaris2.5.1/runInstaller.sh
```

Monitoring Concurrent Managers on Platforms Where a Supported Intelligent Agent Does Not Exist

If your Concurrent Manager is running on a platform where a supported Intelligent Agent does not exist, there is a way to monitor the load on that instance. This can be done by installing the Intelligent Agent Data Collection Service on the Enterprise Manager Console machine and pointing this Data Collection Service to your remote Oracle Applications instance.

Note: The use of Concurrent Manager or node-related jobs and/or events is not supported under this configuration.

To install the Data Collection Service and Agent Extensions on the Enterprise Manager Console machine, do the following:

1. Follow the instructions for installing the Oracle Intelligent Agent as previously described and perform the configuration steps as follows:

Configure the `oapps.ora` file as if the Concurrent Manager were running on this node, even though it is not. To do so, you need only add a line of the form:

```
cmanager <apps-db> <ignored> <ignored>
```

to the `oapps.ora` file, for example:

```
cmanager finapps.world fake fake
```

Important: The last two entries, `fake` and `fake` in the example, although not used in this scenario, must be present for discovery to succeed.

Restart the Intelligent Agent after updating the `oapps.ora` file but before discovering or refreshing the node.

2. When you use the Enterprise Manager Console to discover nodes, add this node to the list of nodes to discover, and it will show your Concurrent Manager as if it were running on this node.
3. Enterprise Manager now thinks that there is a Concurrent Manager on the local machine even if there is none. You can now launch Performance Manager or Capacity Planner against this Concurrent Manager instance as if the instance actually resides on your local machine.

Keep in mind, however, that this is not a supported configuration for running Concurrent Manager related jobs and events. While the jobs and events will appear as being available in the Enterprise Manager Console, they will not behave correctly. The Enterprise Manager Job and Event system only works when the Intelligent Agent resides on the same node as the service being managed.

Deinstalling the Oracle Management Pack for Oracle Applications

The best way to deinstall an Oracle product is to use the Oracle Universal Installer 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.

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.

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