

Oracle8i

Installation Guide

Enterprise Edition Release 3 (8.1.7) for Windows NT

November 2000

Part No. A85302-01

ORACLE[®]

Oracle8i Installation Guide, Release 3 (8.1.7) for Windows NT

Part No. A85302-01

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Send Us Your Comments

Oracle8i Installation Guide, Release 3 (8.1.7) for Windows NT

Part No. A85302-01

This document describes how to contact Oracle Corporation if you have issues with the documentation or software. It also provides a list of useful resources for Oracle partners and developers.

Read the section...	If you...
"How to Contact Oracle Technical Publications" on page x	Have issues with Documentation
"How to Contact Oracle Support Services" on page xi	Have issues with Software
"Resources for Oracle Partners and Developers" on page xiv	Want to join an Oracle partner or application developer program

How to Contact Oracle Technical Publications

Oracle Corporation welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this guide?
- Do you have suggestions for improvement? Please indicate the chapter, section, and page number (if available).

You can send comments regarding documentation in the following ways:

- Electronic mail - *ntdoc@us.oracle.com*
- FAX - (650) 506-7370 Attn: Oracle Windows NT Server Documentation
- Postal service:
Oracle Corporation
Windows Server Documentation Manager
500 Oracle Parkway, MS
Redwood Shores, CA 94065
USA

If you would like a reply, please provide your name, address, and telephone number.

How to Contact Oracle Support Services

Please copy this form and distribute within your organization as necessary.

Oracle Support Services can be reached at the following telephone numbers. The hours of business are detailed in your support contract and the *Oracle Customer Support Guide* in your kit.

Oracle Support Services In...	Call...
United States of America	+ (650) 506-1500 for customers with support contracts + (650) 506-5577 to obtain a support contract
Europe	+44 1344 860 160 or the local support center in your country.
All other locations	The telephone number for your country listed at the following Web site: http://www.oracle.com/support/ Oracle Support Services telephone numbers are also listed in the <i>Oracle Customer Support Guide</i> in your kit.

Please complete the following checklist before you call. If you have this information ready, your call can be processed much quicker.

- Your CPU Support Identification Number (CSI Number) if applicable.

- The hardware name on which your application is running.

- The operating system name and release number on which your application is running.

- The release numbers of the Oracle Server and associated products involved in the current problem. For example, Oracle8i Enterprise Edition release 8.1.7.0.0 and Oracle Enterprise Manager release 2.2.0.0.0.

- The third-party software version you are using.

- The exact error codes and messages. Please write these down as they occur. They are critical in helping Oracle Support Services to quickly resolve your problem.

- A description of the issue, including:
 - **What happened?** For example, the command used and its result.

- **When did it happen?** For example, during peak system load, or after a certain command, or after an operating system upgrade.

- **Where did it happen?** For example, on a particular system, or within a certain procedure or table.

- **What is the extent of the problem?** For example, production system unavailable, or moderate impact but increasing with time, or minimal impact and stable.

- Keep copies of any trace files, core dumps, and redo log files recorded at or near the time of the incident. Oracle Support Services may need these to further investigate your problem.

Resources for Oracle Partners and Developers

This section provides information on partner programs and resources for Oracle database administrators and application developers.

Information Source	Description
Oracle Corporation Home Page http://www.oracle.com	This Web site is the starting point for general information on Oracle Corporation.
Alliance Online http://alliance.oracle.com	Oracle provides leading-edge technology, education, and technical support that enables you to effectively integrate Oracle into your business. By joining the Oracle Partner Program, you demonstrate to customers that you are committed to delivering innovative Oracle-based solutions and services. The greater your commitment to Oracle, the more we can help you grow your business. It's that simple. The value you derive is associated directly with your level of commitment.
Oracle Education http://education.oracle.com/	Customers come to Oracle Education with a variety of needs. You may require a complete curriculum based on your job role to enable you to implement new technology. Or you may seek an understanding of technology related to your key area of responsibility to help you meet technical challenges. You may be looking for self-paced training that can be used as an ongoing resource for reference and hands-on practice. Or, you may be interested in an overview of a new product upgrade. Whatever your training need, Oracle Education has the solution.
Oracle Technology Network http://technet.oracle.com/	The Oracle Technology Network is your definitive source for Oracle technical information for developing for the Internet platform. You will be part of an online community with access to free software, Oracle Technology Network-sponsored Internet developer conferences, and discussion groups on up-to-date Oracle technology. Membership is free.
Oracle Store http://oraclestore.oracle.com/	This is Oracle's online shopping center. Visit this site to find special deals on Oracle software, documentation, publications, computer-based training products, and much more.
Oracle Support Services' Support Web Center http://www.oracle.com/support/	Oracle Support Services offers a range of programs so you can select the support services you need and access them in the way you prefer: by telephone, electronically, or face to face. These award-winning programs help you maintain your investment in Oracle technology and expertise.

Preface

This guide is your primary source of introduction, preinstallation, installation, and post-installation information for Oracle8i for Windows NT.

Specific topics discussed:

- [Audience](#)
- [Organization](#)
- [Conventions](#)

Audience

This guide assumes that you are familiar with the following:

- Windows NT, and have installed and tested it on your computer system
- Object-relational database management concepts

This guide is necessary for anyone installing or configuring the Oracle8i Enterprise Edition, Oracle8i, and Oracle8i Personal Edition database types. Note that the term Oracle8i for Windows NT is used in this guide to describe all these types.

This guide describes *only* the features of Oracle8i for Windows NT software that apply to the Windows NT, Windows 95, Windows 98, and Windows 2000 operating systems. For information about Oracle8i for Windows NT that is applicable to *all* operating systems, see the other documentation included in your package, listed in "[Online Documentation Set](#)" on page F-4.

Organization

This guide is organized as follows:

Chapter 1, "Introducing Oracle8i for Windows NT"

Introduces you to Oracle8i for Windows NT, the supported operating systems, new features on Oracle8i for Windows NT since release 8.1.6, and getting started with your Oracle documentation

Chapter 2, "Installation Overview"

Provides an overview of how to install Oracle components

Chapter 3, "Installation Requirements"

Describes requirements for Oracle8i for Windows NT installation types and individual components

Chapter 4, "Selecting Database Creation and Net8 Configuration Methods"

Describes the Oracle8i database creation and Net8 client/server network configuration methods available during installation

Chapter 5, "Installing Oracle Components and Documentation"

Describes how to install Oracle components

Chapter 6, "Reviewing Your Installed Starter Database Contents"

Describes the contents of your installed starter database

Chapter 7, "Post-installation Configuration Tasks"

Describes post-installation configuration tasks

Chapter 8, "Deinstalling Oracle Components and Services"

Describes how to remove Oracle components and services

Appendix A, "Individual Components Available for Installation"

Describes the individual components available with each installation type of the three top-level components

Appendix B, "Individual Component Descriptions"

Provides descriptions and release numbers of the individual components available with each installation type of the three top-level components

Appendix C, "Advanced Installation Topics"

Describes advanced installation topics not covered in Chapter 5.

Appendix D, "National Language Support"

Describes National Language Support (NLS)

Appendix E, "Installing and Removing Legato Components"

Describes how to install and remove Legato components

Appendix F, "Getting Started with Your Documentation"

Provides a complete introduction to the Oracle documentation set

Conventions

The following conventions are used in this guide:

Convention	Example	Meaning
All uppercase plain	C:\ORACLE\ORA81	Indicates command names, SQL reserved words, and keywords, as in ALTER DATABASE. All uppercase plain is also used for directory names and file names.
Italic	<ul style="list-style-type: none">Used to indicate a variable: <i>file name</i>Used to indicate the title of a guide.	Indicates a value that you must provide. For example, if a command asks you to type <i>file name</i> , you must type the actual name of the file.
Square brackets []	X:[<i>PATHNAME</i>]\ORACLE\ <i>HOME_NAME</i>	Encloses optional items. For example, when you create an Oracle home directory, you can place an optional pathname before the \ORACLE pathname. Square brackets also indicate a function key, for example [Enter].
Choose Start >	Choose Start > Programs > Oracle - <i>HOME_NAME</i> > Network Administration > Net8 Assistant	How to start a program. For example, to start Net8 Assistant, you must click the Start button on the taskbar and then choose Programs > Oracle - <i>HOME_NAME</i> > Network Administration > Net8 Assistant.
C:\>	C:\ORACLE\ORADATA>	Represents the Windows NT command prompt of the current hard disk drive. Your prompt reflects the subdirectory in which you are working. Referred to as the MS-DOS command prompt in this guide.
Backslash (\) before a directory name	\ORADATA	Indicates that the directory is a subdirectory of the root directory.

Convention	Example	Meaning
<i>ORACLE_HOME</i> and <i>ORACLE_BASE</i>	Go to the <i>ORACLE_BASE\ORACLE_HOME\RDBMS\ADMIN</i> directory.	<p>In releases prior to 8.1, when you installed Oracle components, all subdirectories were located under a top level Oracle home directory that by default was:</p> <p>C:\ORANT for Windows NT C:\ORAWIN95 for Windows 95 C:\ORAWIN98 for Windows 98</p> <p>or whatever you may have called your Oracle home.</p> <p>In this Optimal Flexible Architecture (OFA)-compliant release, all subdirectories are no longer under a top level <i>ORACLE_HOME</i> directory. There is now a new top-level directory called <i>ORACLE_BASE</i> that by default is C:\ORACLE. If you install Oracle release 8.1.7 components on a clean computer (that is, there is no other Oracle software on the computer), the default settings for the first Oracle home directory are C:\ORACLE\ORA81. If you run Oracle Universal Installer again and install release 8.2.x, the second Oracle home directory is called \ORA82. These Oracle home directories are located directly under <i>ORACLE_BASE</i>. All directory path examples in this guide follow OFA conventions.</p> <p>See the <i>Oracle8i Administrator's Guide for Windows NT</i> for additional information on OFA compliance and for information on installing Oracle products in non-OFA compliant directories.</p>
%ORACLE_HOME%	SQL> @%ORACLE_HOME%\ADMIN\DB_NAME\ADHOC\CATALOG.SQL	<p>In SQL*Plus commands, you may see %ORACLE_HOME%. SQL*Plus is able to locate your Oracle home directory using the %ORACLE_HOME% variable. This convention can be used in Server Manager, SQL*Plus, Export Utility, and Import Utility.</p>

Convention	Example	Meaning
<i>HOME_NAME</i>	OracleHOME_NAMETNSListener	Represents the Oracle home name. The home name can be up to sixteen alphanumeric characters. The only special character allowed in the home name is the underscore.
<i>HOMEID</i>	HOME0, HOME1, HOME2	Represents a unique registry subkey for each Oracle home directory in which you install products. A new <i>HOMEID</i> is created and incremented each time you install products in a different Oracle home directory on one computer. Each <i>HOMEID</i> contains its own configuration parameter settings for installed Oracle products.
Symbols	period . comma , hyphen - semicolon ; colon : equal sign = backslash \ single quote ' double quote " parentheses ()	Symbols other than brackets and vertical bars must be entered in commands exactly as shown.

Introducing Oracle8*i* for Windows NT

This chapter introduces you to Oracle8*i* for Windows NT.

Specific topics discussed are:

- [Oracle8i Enterprise Edition, Oracle8i, and Oracle8i Personal Edition](#)
- [Oracle8i for Windows NT Overview](#)
- [Supported Operating Systems](#)
- [New Features and Components on Windows NT](#)
- [What Documentation Do I Read First?](#)

Oracle8i Enterprise Edition, Oracle8i, and Oracle8i Personal Edition

The information in this guide applies to these database types:

- Oracle8i Enterprise Edition
- Oracle8i (sometimes referred to as the standard edition)
- Oracle8i Personal Edition (on Windows NT and 2000 only)

Wherever possible, the name Oracle8i for Windows NT is used to describe *all* types. Specific database type names are used only when necessary to avoid confusion. Unless otherwise noted, the features and functionality described in this guide are common to all three database types.

Note: This guide does not describe Oracle8i Personal Edition installation and migration procedures on Windows 95 or 98. See the documentation included with that component for installation and migration instructions.

Oracle8i for Windows NT Overview

Oracle8i for Windows NT is a development and deployment platform for the Internet. Oracle8i for Windows NT features include the following:

- A built-in Java Virtual Machine (JVM) that lets you store and run Java code within an Oracle8i database
- Support for the Common Object Request Broker Architecture (CORBA), the Internet Inter-ORB Protocol (IIOP), and Enterprise JavaBeans
- Support for SQLJ, a programming syntax that lets you embed SQL statements in Java programs
- Integration with the Component Object Model (COM) and Microsoft Transaction Server
- Integration with Oracle Enterprise Manager Console and front-end management applications that are fully accessible from clients (including Web browsers)

See Also:

- *Oracle8i Concepts*
- *Getting to Know Oracle8i*
- *Oracle Enterprise Manager Concepts Guide*

Supported Operating Systems

Oracle8i server and client software operates on a personal computer (PC) running the following Microsoft operating systems:

Operating System	Oracle8i Server Software	Oracle8i Client Software
Windows NT 4.0, includes:		
■ Windows NT Workstation 4.0	Yes	Yes
■ Windows NT Server 4.0	Yes	Yes
■ Windows NT Server Enterprise Edition 4.0	Yes	Yes
Windows 2000, includes:		
■ Windows 2000 Professional	Yes	Yes
■ Windows 2000 Server	Yes	Yes
■ Windows 2000 Advanced Server	Yes	Yes
■ Windows 2000 Datacenter	Yes	Yes
Windows 95	No	Yes
Windows 98	No	Yes

See Also: *Oracle8i Release Notes for Windows NT* for information on Oracle8i support for Windows Terminal Server

New Features and Components on Windows NT

This section describes some of the new features and components available on Windows NT for releases 8.1.7 and 8.1.6.

Note: Each component on the component CD-ROM may also have new features available with this release. See the documentation in [Appendix F, "Getting Started with Your Documentation"](#) to find out about any new features for each component.

What Is New With 8.1.7?

This table describes some of the new features and components of release 8.1.7 on Windows NT.

Feature/Component	Description	See...
Oracle Provider for OLE DB enhancements	<p>Oracle Provider for OLE DB now provides support for:</p> <ul style="list-style-type: none"> ■ Returning multiple rowsets <p>Use this feature to access all the REF CURSORS being returned by a stored procedure.</p> <ul style="list-style-type: none"> ■ The Unicode character set <p>Use this feature to access data in multiple languages on the same client machine. This is useful for creating global Internet applications supporting as many languages as the Unicode standard entails. For example, you can write a single active service page (ASP) that accesses an Oracle8i database to dynamically generate content in Japanese, Arabic, English, and Thai.</p>	<i>Oracle Provider for OLE DB User's Guide</i>
Oracle Objects for OLE (OO4O) enhancements	<p>Commands can now be executed using asynchronous processing. This enables you to execute SQL statements and PL/SQL blocks in non-blocking mode. With non-blocking mode, control is returned to the application immediately even if the execution is not complete. This allows the application to execute other tasks not dependent on the results of the last execution.</p>	OO4O online help available from the Start Menu after installation

Feature/Component	Description	See...
New components integrated into Oracle Universal Installer installation for 8.1.7	<p>New components are integrated into the installation:</p> <ul style="list-style-type: none"> ▪ JServer Accelerator ▪ Oracle Applications InterConnect ▪ Oracle HTTP Server and Apache components ▪ Oracle Integration Server installation type, which includes: <ul style="list-style-type: none"> Oracle Message Broker Oracle Workflow ▪ Oracle Servlet Engine ▪ Oracle XML Developer's Kit ▪ Oracle XML SQL Utility ▪ PL/SQL Embedded Gateway 	<ul style="list-style-type: none"> ▪ Appendix A, "Individual Components Available for Installation" ▪ Appendix B, "Individual Component Descriptions"

What Is New With 8.1.6?

This table describes some of the new features and components of release 8.1.6 on Windows NT.

Feature/Component	Description	See...
Oracle Provider for OLE DB	<p>OLE DB is an open standard data access methodology that utilizes a set of interfaces for accessing and manipulating all types of data. These interfaces are available from various database providers.</p> <p>The Oracle Provider for OLE DB interfaces offer high performance and efficient access to Oracle data by applications, compilers, and other database components.</p>	<i>Oracle Provider for OLE DB User's Guide</i>

Feature/Component	Description	See...
Active Directory support	<p>Active Directory is a Lightweight Directory Access Protocol (LDAP)-compliant directory server included with Windows 2000. Active Directory stores all Windows 2000 information, including users, groups, and policies.</p> <p>Oracle8i release 8.1.6 and above enables users to store database service and Net8 net service names as directory objects in Active Directory. Integration with Active Directory enables:</p> <ul style="list-style-type: none">■ Oracle objects representing databases and net service names to be created in Active Directory and used by various Oracle applications when connecting to an Oracle8i database■ A single, centralized location to store net service name information, which eliminates the need for maintaining a separate TNSNAMES.ORA file on each client computer■ An administrator to create and store enterprise users and roles for the Oracle8i database in Active Directory, which helps centralize the administration of users and roles across multiple databases	Chapter 4, "Using Oracle8i Directory Server Features with Active Directory" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Windows native authentication enhancements	These enhancements provide support for global user authentication and role authorization with Windows native authentication in Windows 2000 domains using Active Directory.	Chapter 8, "Authenticating Database Users with Windows" of <i>Oracle8i Administrator's Guide for Windows NT</i>

See Also: See *Getting to Know Oracle8i* for the list of new components and features common to *all* operating systems

What Documentation Do I Read First?

Appendix F, "Getting Started with Your Documentation" includes a description of your Oracle documentation set. This appendix provides a list of:

- Available online documentation formats
- Documentation available on your Oracle8i Server Online Documentation CD-ROM and the component CD-ROM

Oracle Corporation recommends that you read or review the following documentation *before* you install Oracle components. This helps ensure that you make the correct decisions during Oracle component installation.

For Information About...	See...
How to obtain customer support	<i>Oracle Customer Support Guide</i>
Important last-minute installation and configuration information	The <i>Oracle8i Release Notes for Windows NT</i> (click INDEX.HTM in the \DOC directory on the component CD-ROM) Note: After installation, view README files for additional components in the <i>ORACLE_BASE\ORACLE_HOME\RELNOTES</i> directory.
Creating a correctly configured Oracle8i database from the start	<i>Oracle8i Designing and Tuning for Performance</i>
Upgrading or migrating an Oracle database from a previous release	<i>Oracle8i Migration</i> Note: Oracle Data Migration Assistant automatically prompts you during installation to migrate a pre-8.1.7 database detected on your hard drive.
Upgrading an Oracle8i database configured for use with Oracle Internet Directory	<i>Oracle Internet Directory Administrator's Guide</i> Chapter 3, "Installation Requirements" and Chapter 5, "Installing Oracle Components and Documentation" of this guide
Installing Oracle components in multiple homes on a computer	Chapter 3, "Multiple Oracle Homes and Optimal Flexible Architecture" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Installing all Oracle components available on the CD-ROM	Chapter 5, "Installing Oracle Components and Documentation" of this guide
Basic database concepts and administration	<ul style="list-style-type: none"> ■ <i>Oracle8i Concepts</i> ■ <i>Oracle8i Administrator's Guide</i> ■ <i>Oracle8i Administrator's Guide for Windows NT</i>

For Information About...	See...
Networking concepts and administration	<i>Net8 Administrator's Guide</i>
Oracle Enterprise Manager concepts and administration	<ul style="list-style-type: none">■ <i>Oracle Enterprise Manager Concepts Guide</i>■ <i>Oracle Enterprise Manager Administrator's Guide</i>■ <i>Oracle Enterprise Manager Configuration Guide</i>

Viewing Documentation on the CD-ROM

Most Oracle documentation is included on a separate Oracle8i Server Online Documentation CD-ROM.

Note: This installation guide and the *Oracle8i Release Notes for Windows NT* are not included on the Oracle8i Server Online Documentation CD-ROM. Access those documents after installation from the Start Menu or by clicking INSTALL.HTM in the \DOC directory on your hard drive. You can also access those documents on the component CD-ROM by going to the \DOC directory and clicking INDEX.HTM.

When you insert the Oracle8i Server Online Documentation CD-ROM into the CD-ROM drive, the *Autorun* window automatically appears. This window provides easy access to the Oracle8i Server Online Documentation. Follow these instructions to view the documentation.

To view the documentation library on the Oracle8i Server Online Documentation CD-ROM:

1. Insert the Oracle8i Server Online Documentation CD-ROM into the CD-ROM drive.

The *Autorun* window appears. If the *Autorun* window does not appear:

- a. Choose Start > Run.
- b. Enter the following:

```
DRIVE_LETTER:\AUTORUN\AUTORUN.EXE
```

The *Autorun* window appears.

2. Click *Browse Documentation* to view the Oracle8i Server Online Documentation for all components. These documents are in hypertext markup language

(HTML) and portable document format (PDF) formats. The Oracle Information Navigator, a Java-based search and navigation applet, also starts.

3. Review the documentation described in the table in "[What Documentation Do I Read First?](#)" on page 1-7 and any other appropriate documentation. See "[Online Documentation Set](#)" on page F-4 for a list of documentation titles.

Note: You can also access your Oracle8i Server Online Documentation without using the *Autorun* window. To do this:

1. Exit the *Autorun* window.
 2. Go to the \DOC directory at the root of the Oracle8i Server Online Documentation CD-ROM.
 3. Double-click either:
 - INDEX.HTM (to start the Oracle8i Server Online Documentation and Oracle Information Navigator, a Java-based search and navigation applet)
 - PRODUCTS.HTM (to start the Oracle8i Server Online Documentation *without* starting the Oracle Information Navigator)
 - INDEX.PDF (if you do not have a Web browser, but do have an Adobe Acrobat Reader installed).
-
-

See Also: "[Installing and Viewing the Oracle8i Server Online Documentation](#)" on page 5-38 for instructions on installing your Oracle8i Server Online Documentation

Installation Overview

This chapter provides an overview of Oracle component installation.

Specific topics discussed are:

- [Oracle Universal Installer](#)
- [Top-Level Components Available for Installation](#)
- [Oracle Universal Installer Component Installation Overview](#)
- [Getting Started with Installation](#)

Oracle Universal Installer

Oracle Universal Installer is a Java-based graphical user interface (GUI) 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 and globalization support
- Distributed installation support (Oracle Parallel Server)
- Unattended "silent" installations using response files
- Deinstallation of installed components
- Multiple Oracle homes support

See Also: *Oracle Universal Installer Concepts Guide* for more information on Oracle Universal Installer. This guide is *not* included in your Oracle8i Server Online Documentation, but is automatically installed on your hard drive during an Oracle Universal Installer installation. Choose Start > Programs > Oracle Installation Products > Universal Installer Concepts Guide to access this guide.

Top-Level Components Available for Installation

When you run Oracle Universal Installer from the component CD-ROM, you can choose to install individual components from three different top-level components:

- Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition
- Oracle8i Client
- Oracle8i Management and Integration

Each top-level component contains several installation types, each of which contain a series of individual components. The following table lists the three top-level components and their installation types.

This Top-Level Component...	Consists of These Installation Types...
<p>Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition</p> <p>Note: The top-level component name that appears when you run Oracle Universal Installer depends on the Oracle8i database type you purchased.</p>	<p>Typical</p> <p>Installs a preconfigured starter database, networking services, Oracle Utilities, Oracle Intelligent Agent, Oracle Enterprise Manager Console (including enterprise management tools), Oracle Management Server, Oracle HTTP Server powered by Apache, and additional components (recommended for users who want the complete database package)</p> <p>Minimal</p> <p>Gives you the option of installing a preconfigured starter database, and automatically installs the Oracle Intelligent Agent, networking services, Oracle Enterprise Manager Console (including enterprise management tools), Oracle HTTP Server powered by Apache, and Oracle Utilities (recommended for users who want a minimal database package)</p> <p>Custom</p> <p>Lets you selectively install components from the above installation types</p>

This Top-Level Component...	Consists of These Installation Types...
Oracle8i Client	<p>Administrator</p> <p>Installs an Oracle Enterprise Manager Console (including enterprise management tools), networking services, utilities, and basic client software</p> <p>Programmer</p> <p>Installs development tools (including precompilers) and interfaces for creating applications that access an Oracle8i database</p> <p>Application User</p> <p>Installs networking services and support files that enable database application users to connect to and interact with an Oracle8i database</p> <p>Custom</p> <p>Lets you selectively install components from the above installation types</p>
Oracle8i Management and Integration	<p>Oracle Management Server</p> <p>Installs Oracle Management Server, Oracle Enterprise Manager Console (including enterprise management tools), networking services, utilities, and basic client software</p> <p>Oracle Internet Directory</p> <p>Installs components that enable the Oracle Internet Directory directory server to be implemented as an application on the Oracle8i database</p> <p>Oracle Integration Server</p> <p>Installs a database configured with Advanced Queuing, Oracle JServer, Oracle Message Broker, and other components designed to facilitate communication among the applications comprising an e-business (including customer relationship management, enterprise resource planning, business-to-business internet marketplaces, and auction sites)</p> <p>Custom</p> <p>Lets you selectively install components from the above installation types</p>

See Also: [Appendix A, "Individual Components Available for Installation"](#) for a list of individual components installed with each installation type

Licensing Information

Although the component CD-ROM in your kit contains many Oracle components, you may use only those components for which you have purchased licenses. Those components that require separately purchasable licenses are identified in their descriptions and in the footnotes in [Appendix A, "Individual Components Available for Installation"](#).

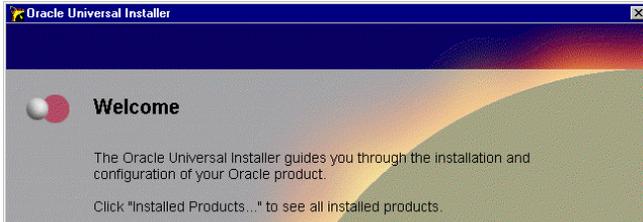
Oracle Support Services does not provide support for components for which licenses have not been purchased.

See Also:

- *Global License Terms* for additional licensing information
- "[Component Descriptions](#)" on page B-2 for component descriptions

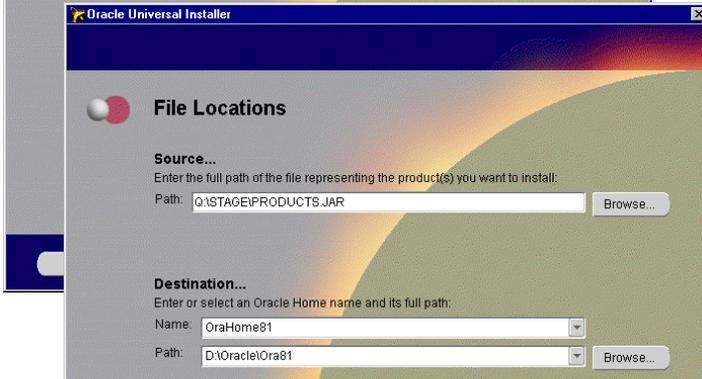
Oracle Universal Installer Component Installation Overview

When you run Oracle Universal Installer from the component CD-ROM, the following windows appear, and enable you to install Oracle components. This section provides an overview of your component installation choices. [Chapter 5, "Installing Oracle Components and Documentation"](#) provides specific installation instructions.



First window: *Welcome*

Welcomes you to Oracle Universal Installer.

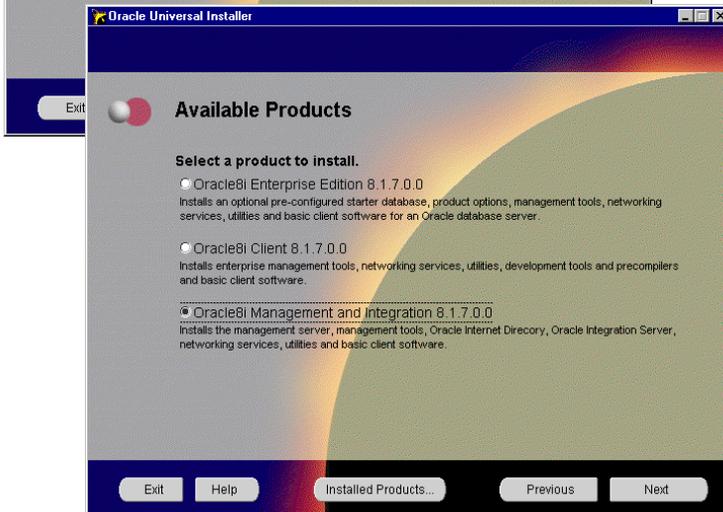


Second window: *File Locations*

Enables you to enter the following in the Destination fields:

- Oracle home name
- Directory location in which to install Oracle components

If you are running Oracle Universal Installer from the component CD-ROM, the Source field automatically displays the location of your CD-ROM. Do not modify this field.



Third window: *Available Products*

Enables you to select a top-level component to install:

- Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition
- Oracle8i Client
- Oracle8i Management and Integration

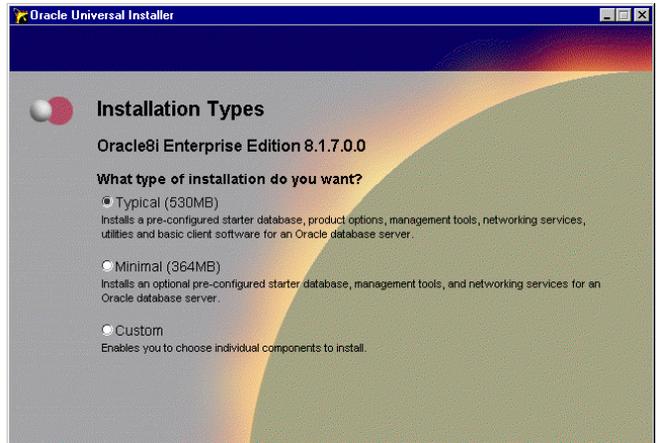
Each top-level component, when selected, displays several installation types (shown next).

If You Selected this Top-Level Component...

→ Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition

Then...

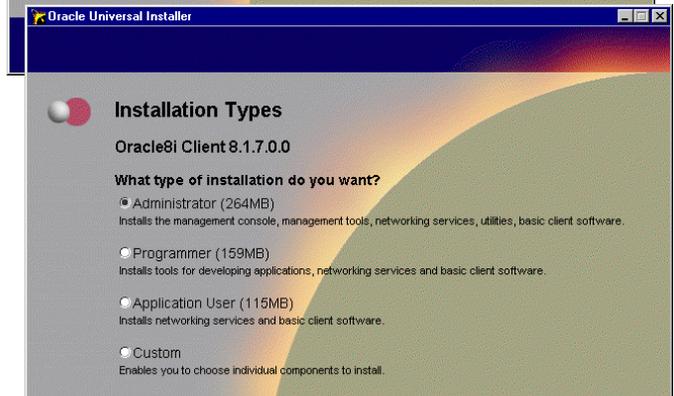
you are prompted with these installation types:



→ Oracle8i Client

Then...

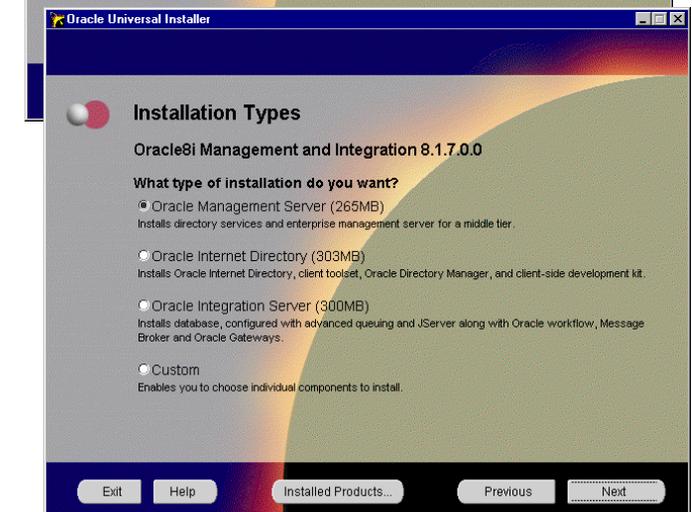
you are prompted with these installation types:



→ Oracle8i Management and Integration

Then...

you are prompted with these installation types:



Getting Started with Installation

You are now ready to begin the installation process. To get started quickly, follow these chapters in the *exact* order listed:

To...	See...
Find out about installation requirements for: <ul style="list-style-type: none">▪ Each installation type▪ Migrating an Oracle database▪ Individual components▪ Single Oracle home components▪ Oracle Enterprise Manager components▪ Networking protocols and vendors	Chapter 3, "Installation Requirements"
Select a method for creating your Oracle8i database and configuring your Net8 client/server environment	Chapter 4, "Selecting Database Creation and Net8 Configuration Methods"
Install Oracle components	Chapter 5, "Installing Oracle Components and Documentation"

Installation Requirements

This chapter describes installation requirements.

Specific topics discussed are:

- [Top-Level Component System Requirements](#)
- [Migration and Upgrade Requirements](#)
- [Mandatory Individual Component Requirements](#)
- [Single Oracle Home Components](#)
- [Oracle Enterprise Manager Requirements](#)
- [Networking Protocol Vendor Requirements](#)

Top-Level Component System Requirements

This section lists the system requirements for each top-level component:

- [Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition](#)
- [Oracle8i Client](#)
- [Oracle8i Management and Integration](#)

Important: The hard disk requirements for each Oracle8i top-level component include 25 MB required to install Java Runtime Environment (JRE) and Oracle Universal Installer on the partition on which the operating system is installed. If sufficient space is not detected, installation fails and an error message appears.

See the appropriate top-level component section below. Each top-level component contains several installation types, each of which contain a series of individual components. Some individual components also have requirements that must be satisfied before installation. Those requirements are described in "[Mandatory Individual Component Requirements](#)" on page 3-9 and "[Oracle Enterprise Manager Requirements](#)" on page 3-14.

System Requirements for FAT and NTFS File Systems

This chapter lists system requirements for both the File Allocation Table (FAT) and NT File System (NTFS) file systems. The values required were obtained from installations on 2 GB partitions for a FAT file system with a default block size of 32K and an NTFS file system with a default block size of 2K. Because of the difference in space allocation on both file systems, the hard disk requirements vary.

Important: Review the FAT and NTFS system requirements listed in this section to determine if you have enough hard disk space for installation. These values are more accurate than the hard disk values reported by the Oracle Universal Installer *Installation Types* window and *Summary* window. These windows do not include:

- Accurate FAT disk space values
 - The space required to create a database
 - The size of compressed files that are expanded on the hard drive
-
-

Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition

The Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition top-level component consists of the following installation types:

- Typical
- Minimal
- Custom

The top-level component name that appears in the *Available Products* window when you run Oracle Universal Installer depends on the Oracle8i database type you purchased.

The system requirements for Typical and Minimal are described below. The requirements for Custom depend upon the components selected for installation.

Requirement	Typical	Minimal
Operating System	Windows NT 4.0 and Windows 2000	Windows NT 4.0 and Windows 2000
Windows NT 4.0 Service Pack	Certified with 5.0 and 6.0a	Certified with 5.0 and 6.0a
Minimal Processor	Pentium 166 or Pentium 200	Pentium 166 or Pentium 200
Recommended Processor	Pentium 233 or Pentium 266 ¹	Pentium 233 or Pentium 266
RAM	96 MB (256 MB recommended)	96 MB (256 MB recommended) ²
FAT file system:		
■ Oracle home drive	1.92 GB	1.57 GB
■ System drive	69 MB	68 MB
NTFS file system:		
■ Oracle home drive	1.26 GB	1.08 GB
■ System drive	69 MB	68 MB
Video	256 color	256 color

¹ If you run the Oracle Intelligent Agent, Oracle Management Server, and Oracle Enterprise Manager Client on the same computer, the minimal processor requirement is a Pentium 166, the recommended processor requirement is a Pentium II 300, the minimal RAM requirement is 128 MB, and the recommended RAM requirement is 256 MB.

² You cannot run Oracle Universal Installer and Oracle Data Migration Assistant or Oracle Database Configuration Assistant during the same installation session on a 64 MB computer. To run these assistants, answer No when prompted to migrate or create a database. After installation is complete and Oracle Universal Installer has exited, run these assistants. Oracle Corporation also recommends increasing virtual memory to 200 MB. (Modify it in the Performance tab of System Properties in the Control Panel.)

See Also: ["Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Components"](#) on page A-2 for a list of individual components installed with each installation type

Oracle8i Client

The Oracle8i Client top-level component consists of the following installation types:

- Administrator
- Programmer
- Application User
- Custom

The system requirements for Administrator, Programmer, and Application User are described below. The requirements for Custom depend upon the components selected for installation.

Requirement	Administrator ¹	Programmer	Application User
Operating System	Windows NT 4.0, Windows 95, Windows 98, and Windows 2000	Windows NT 4.0, Windows 95, Windows 98, and Windows 2000	Windows NT 4.0, Windows 95, Windows 98, and Windows 2000
Windows NT 4.0 Service Pack	Certified with 5.0 and 6.0a	Certified with 5.0 and 6.0a	Certified with 5.0 and 6.0a
Minimal Processor	Pentium 166	Pentium 133	Pentium 133
Recommended Processor	Pentium I 266	Pentium 166	Pentium 166
RAM	64 MB (minimal) 128 (recommended)	32 MB (64 MB recommended)	32 MB (64 MB recommended)
FAT file system:			
■ Oracle home drive	861 MB	270 MB	180 MB
■ System drive	51 MB	40 MB	36 MB
NTFS file system:			
■ Oracle home drive	336 MB	192 MB	120 MB
■ System drive	51 MB	40 MB	36 MB
Web browser (if using Oracle Enterprise Manager Web Site)	<ul style="list-style-type: none"> ■ Netscape Navigator 4.7 or higher ■ Microsoft Internet Explorer 5.0 or higher 	None	None

¹ The operating system, service pack, processor, and RAM requirements for Oracle Enterprise Manager Client are the same as the requirements for Oracle Enterprise Manager Web Site.

See Also: ["Oracle8i Client Components"](#) on page A-9 for a list of individual components installed with each installation type

Oracle8i Management and Integration

The Oracle8i Management and Integration top-level component consists of the following installation types:

- Oracle Management Server
- Oracle Internet Directory
- Oracle Integration Server
- Custom

The system requirements for Oracle Management Server, Oracle Internet Directory, and Oracle Integration Server are described below. The requirements for Custom depend upon the components selected for installation.

Requirement	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
Operating System	Windows NT 4.0 and Windows 2000	Windows NT 4.0 and Windows 2000	Windows NT 4.0 and Windows 2000
Windows NT 4.0 Service Pack	Certified with 5.0 and 6.0a	Certified with 5.0 and 6.0a	Certified with 5.0 and 6.0a
Minimal Processor	Pentium 166	Pentium 166	Pentium 166 or Pentium 200
Processor	Pentium II 300	Pentium II 300	Pentium 233 or Pentium 266
UNIX Emulation Utility	None	Cygwin 1.0. Visit: http://sourceware.cygnum.com/cygwin/ or MKS Toolkit 5.1 or 6.0. Visit: http://www.datafocus.com/products/	None
RAM	64 MB (minimal) 256 MB (recommended)	96 MB	64 MB (minimal) 256 MB (recommended)
FAT file system:			
■ Oracle home drive	1.27 GB	1.30 GB	1.17 GB
■ System drive	34 MB	34 MB	49 MB
NTFS file system:			
■ Oracle home drive	334 MB	1.21 GB (includes database; 300 MB without database)	1.03 GB
■ System drive	34 MB	34 MB	49 MB

See Also: ["Oracle8i Management and Integration Components"](#) on page A-14 for a list of individual components installed with each installation type

Note: Oracle8i database release 8.1.7 is only compatible with Oracle Internet Directory release 2.1.1 (both on the component CD-ROM). Oracle Internet Directory releases prior to 2.1.1 are not compatible with release 8.1.7. You must upgrade a 2.0.6 release of Oracle Internet Directory to release 2.1.1 in order to work with Oracle8i database release 8.1.7. See ["Oracle Internet Directory"](#) on page 5-24 for upgrade instructions.

Migration and Upgrade Requirements

The following sections describe specific migration requirements:

- [Oracle7 and Oracle8 Migration and Upgrade Requirements](#)
- [Oracle Parallel Server Migration and Upgrade Requirements](#)

Oracle7 and Oracle8 Migration and Upgrade Requirements

Oracle7 and Oracle8 database migration and upgrade procedures on Windows NT are covered in *Oracle8i Migration*. This section describes several Windows NT-specific issues to understand before following the instructions in *Oracle8i Migration*.

Migration from Releases Prior to 7.1.3.3.6

If the database release is prior to release 7.1.3.3.6, migrate to at least release 7.1.3.3.6 before using the Migration Utility or Oracle Data Migration Assistant to migrate to the latest release. See the documentation that accompanied your previous database release for information on how to migrate to release 7.1.3.3.6.

Oracle Command Line Tools with the Migration Utility

If you use the Migration Utility to migrate or upgrade your Oracle database, the instructions in *Oracle8i Migration* prompt you to enter information at the command prompt of an Oracle tool. The command tool to use (SQL*DBA, Server Manager, or SQL*Plus) depends upon the database release from which you are migrating or upgrading. This table describes the tools to use and the method for starting these tools:

If...	From Oracle Release...	Use...	By Entering...
Migrating	7.1.x	SQL*DBA	C:\> SQLDBA71 MODE=LINE
	7.2.x	SQL*DBA	C:\> SQLDBA72 MODE=LINE
	7.3.x	Server Manager	C:\> SVRMGR23
Upgrading	8.0.x	Server Manager	C:\> SVRMGR30
	8.1.x	Server Manager or SQL*Plus	C:\> SVRMGR or C:\> SQLPLUS

If you use the Migration Utility to migrate or upgrade your Oracle database, the instructions in *Oracle8i Migration* also prompt you to use the ORADIM utility at the MS-DOS command prompt. The ORADIM utility creates, starts, stops, and modifies database instances on Windows NT. The method for starting the ORADIM utility depends upon the database release from which you are migrating or upgrading:

If...	From Oracle Release...	Use...	By Entering...
Migrating	7.1.x	ORADIM71	C:\> ORADIM71 OPTIONS
	7.2.x	ORADIM72	C:\> ORADIM72 OPTIONS
	7.3.x	ORADIM73	C:\> ORADIM73 OPTIONS
Upgrading	8.0.x	ORADIM80	C:\> ORADIM80 OPTIONS
	8.1.x	ORADIM	C:\> ORADIM OPTIONS

See Chapter 6, "Post-Installation Database Creation" of the *Oracle8i Administrator's Guide for Windows NT* for more information on using the ORADIM utility.

Required Oracle7 Server SQL*Net Patch Releases

When migrating from Oracle7 Server release 7.3.2 or 7.3.3 to the latest release, install the appropriate patch of SQL*Net in the 7.3.2 or 7.3.3 Oracle home *before* migrating with either Oracle Data Migration Assistant or the Migration Utility. Migration fails if you do *not* install the appropriate patch of SQL*Net. This table describes the required SQL*Net patch releases. Obtain these patches and installation instructions from Oracle Support Services:

<http://www.oracle.com/support>

If Migrating From...	Use This Patch Release...
Release 7.3.3	2.3.3.0.3
Release 7.3.2	2.3.2.1.4
	2.3.2.1.12

Oracle Parallel Server Migration and Upgrade Requirements

All Oracle Parallel Server migration and upgrade issues on Windows NT are covered in the *Oracle Parallel Server Administrator's Guide for Windows NT*.

Mandatory Individual Component Requirements

This table identifies mandatory individual component requirements that must be met *before* installation. See [Appendix A, "Individual Components Available for Installation"](#) for the installation types with which these individual components can be installed. Appropriate documentation for preinstallation procedures is also identified. This table does not include Oracle Enterprise Manager component preinstallation requirements. That information is described in "[Oracle Enterprise Manager Requirements](#)" on page 3-14.

Component	Description	See Also...
Oracle Advanced Security	You must satisfy hardware and software requirements to use authentication support with Oracle components. In addition, using Oracle Advanced Security with Secure Socket Layer (SSL) and Private Key Infrastructure (PKI) requires preinstallation of an LDAP directory such as Oracle Internet Directory (provided on the component CD-ROM).	Chapter 1 of the <i>Oracle Advanced Security Administrator's Guide</i>
Oracle Parallel Server	Perform the following tasks:	
<ul style="list-style-type: none"> ■ Installation 	<ol style="list-style-type: none"> 1. Install the vendor-supplied operating system dependent layer, which includes your cluster software. This layer must be Oracle certified. 2. Set up raw devices before installing Oracle8i Enterprise Edition and Oracle Parallel Server. 3. Install Oracle Parallel Server only on a disk that is private to and exclusively owned by the installation system (for example, the system disk). Unless you have specific reasons to do so and understand the risks involved, do not install Oracle Parallel Server on a disk that can be owned or mounted by more than one system. 	<ul style="list-style-type: none"> ■ Your vendor documentation for information on operating system dependent layer installation ■ Chapters 2 and 3 of <i>Oracle8i Parallel Server Setup and Configuration</i> for raw device setup instructions ■ Chapters 3 and 4 of <i>Oracle Parallel Server Administrator's Guide for Windows NT</i> for creating and managing raw devices
<ul style="list-style-type: none"> ■ Upgrading and Migrating 	Review all upgrade and migration issues prior to installation.	<i>Oracle Parallel Server Administrator's Guide for Windows NT</i>

Component	Description	See Also...
Oracle Internet Directory	<p>Review the following issues:</p> <ul style="list-style-type: none"> <li data-bbox="94 335 258 361">■ Upgrading <ul style="list-style-type: none"> <li data-bbox="311 335 993 413">If you are upgrading Oracle8<i>i</i> database release 8.1.6 and Oracle Internet Directory release 2.0.6 to releases 8.1.7 and 2.1.1, respectively, ensure that you: <ul style="list-style-type: none"> <li data-bbox="311 430 993 482">■ Stop the Oracle listener service, Oracle database service, and Oracle Internet Directory service <li data-bbox="311 499 993 578">■ Know the system identifier (SID), Oracle directory server (ODS) user password, and Oracle Internet Directory administrator password of the Oracle8<i>i</i> database to upgrade <li data-bbox="311 595 829 621">■ Perform a complete backup prior to upgrade <p>There is no network downtime during Oracle Internet Directory upgrade in a multinode replication environment. The other nodes are available while the upgrade of one node is in progress. In a replicated environment, Oracle Internet Directory 2.1.1 running on one node can coexist with other nodes running Oracle Internet Directory 2.0.6. Review all guidelines for upgrading a multinode replication network before upgrading.</p> <p>Note: LDAP Data Interchange Format (LDIF)-based manual upgrading is available as an alternative to automatically upgrading Oracle Internet Directory through Oracle Universal Installer.</p> <p>If you installed Oracle8<i>i</i> database 8.1.6 and Oracle Internet Directory 2.0.6 during separate installation sessions, do not upgrade them together during the same installation session. Instead, upgrade them during separate installation sessions. First, upgrade the Oracle8<i>i</i> database to release 8.1.7 (for example, by selecting the database server's Typical installation type). Oracle Universal Installer prompts you to automatically upgrade your Oracle8<i>i</i> database to release 8.1.7. After database upgrade is complete, upgrade Oracle Internet Directory to release 2.1.1 through the Oracle Internet Directory installation type. Enter the SID of the just-upgraded database when prompted. Oracle Universal Installer only upgrades Oracle Internet Directory.</p> <p>See "Oracle Universal Installer Component Installation Overview" on page 2-6 for information on accessing the Typical and Oracle Internet Directory installation types.</p>	<ul style="list-style-type: none"> <li data-bbox="1036 335 1239 465">■ Chapter 3 of <i>Oracle Internet Directory Administrator's Guide</i>
<ul style="list-style-type: none"> <li data-bbox="94 1355 244 1459">■ Currently installed Oracle8<i>i</i> database 	<p>If you have a release 8.1.7 Oracle8<i>i</i> database configured with a UTF8 character set installed on a computer on which you now want to install Oracle Internet Directory 2.1.1 in the same Oracle home, ensure that both the database and listener are running.</p>	<ul style="list-style-type: none"> <li data-bbox="1036 1355 1268 1459">■ Chapter 5, "Installing Oracle Components and Documentation"
<ul style="list-style-type: none"> <li data-bbox="94 1477 294 1503">■ Downgrading 	<p>You cannot downgrade Oracle Internet Directory 2.1.1 to 2.0.6.</p>	

Component	Description	See Also...
Oracle Internet Directory (continued)	<ul style="list-style-type: none"> ■ UTF8 character set <p>Oracle Internet Directory requires the Oracle8i database to use the UTF8 character set. If an Oracle8i database is not currently installed, Oracle Corporation recommends that you create one as part of the Oracle Internet Directory installation type.</p> <p>Note: Do not create the Oracle8i database through the Typical or Minimal Oracle8i database installation types. If you want to install Oracle Internet Directory 2.1.1, choose the Oracle Internet Directory installation type of the Oracle8i Management and Integration top level component; this creates the correct underlying Oracle8i database as part of Oracle Internet Directory 2.1.1 installation.</p>	<ul style="list-style-type: none"> ■ Chapter 5, "Installing Oracle Components and Documentation"
Oracle Message Broker	<p>If Oracle Message Broker running on one computer uses an Oracle8i database on another computer, set the NLS_LANG environment variable to the same value on each computer, or to compatible values.</p> <p>If you are installing Oracle Message Broker on a computer where Oracle Internet Directory is installed and running, then shut down the Oracle Internet Directory processes and Oracle8i database before installation.</p>	Chapter 2 of <i>Oracle Message Broker Installation Guide for Windows NT</i>
Oracle Snap-Ins to the Microsoft Management Console	<p>Oracle8i ships several Snap-Ins for the Microsoft Management Console (MMC). The MMC is a built-in feature of Windows 2000, but requires manual installation on Windows NT 4.0, Windows 95, or Windows 98. Oracle Snap-Ins require MMC to be installed before they run and Internet Explorer version 5 (IE5) or later to be installed before they can be configured for use. If you install any Oracle Snap-Ins before installing IE5, then install IE5 and reinstall the Oracle Snap-Ins. The Oracle Snap-In components that have this dependency are:</p> <ul style="list-style-type: none"> ■ Oracle Administration Assistant for Windows NT ■ Oracle Services for Microsoft Transaction Server ■ Oracle Performance Monitor for Windows NT <p>Note: Installing Oracle Administration Assistant for Windows NT automatically installs all three Oracle Snap-In components.</p>	<p>The following Web site to download the MMC add-on:</p> <p>http://www.microsoft.com</p>
Oracle Workflow	<p>Ensure that you have configured the required hardware and software.</p>	<i>Oracle Workflow Installation Supplement</i>

Component	Description	See Also...
Oracle8i integration with Active Directory	The user performing the Oracle8i installation must perform pre-installation requirements for integration to be successful.	Chapter 4, "Using Oracle8i Directory Server Features with Active Directory" of the <i>Oracle8i Administrator's Guide for Windows NT</i>
Recovery Manager (part of Oracle Utilities)	<p>To back up to nondisk media, Recovery Manager requires a media management layer such as Legato Storage Manager (LSM) server, which is included on the CD-ROM. LSM server requires the following system configuration:</p> <ul style="list-style-type: none">■ Minimum Processor: Intel Pentium 200 MHz.■ Recommended Processor: Intel Pentium 450 MHz or higher■ RAM: 128 MB■ Hard disk: 64 MB■ Backup for Windows NT and Windows 95/98: Additional 5% of total backup data or 100 MB for online indexes <p>Note: You must also meet the minimum Oracle8i database requirements for the system configuration. For more information on these requirements, see "Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition" on page 3-3.</p>	<i>Legato Storage Manager Administrator's Guide</i>

Single Oracle Home Components

Most Oracle components can be installed multiple times on the same computer. However, the following components can only be installed once per computer:

- Oracle Performance Monitor for Windows NT
- Oracle Objects for OLE
- Oracle Open Database Connectivity (ODBC) Driver
- Oracle Provider for OLE DB
- Oracle SNMP Agent

If you attempt to install these components a second time, Oracle Universal Installer detects that these products are already installed in another Oracle home and automatically removes them from the installation process without prompting you. The following information is logged to the INSTALLACTIONS.LOG file in the X:\PROGRAM FILES\ORACLE\INVENTORY\LOGS directory.

```
# product_name is a single oracle home product. It is already installed in  
currently_installed_location.
```

If you are performing an installation and notice that one or more single Oracle home components are not available for installation during the current session, check to see if any of these components or any previous versions of these components are installed in another Oracle home. If you want to install these in the currently selected Oracle home, you must first deinstall the conflicting version(s).

See Also: [Appendix A, "Individual Components Available for Installation"](#) for the installation types under which these components are installed.

Oracle Enterprise Manager Requirements

Review the following requirements before beginning installation of Oracle Enterprise Manager components:

- [Oracle Management Server Requirements](#)
- [Oracle Enterprise Manager Web Browser Requirements](#)
- [Oracle Enterprise Manager Paging Server Requirements](#)

See Also: [Appendix A, "Individual Components Available for Installation"](#) for the installation types under which Oracle Enterprise Manager components are installed

Oracle Management Server Requirements

Oracle Management Server, the middle tier of the Enterprise Manager framework, is responsible for:

- Authenticating Oracle Enterprise Manager administrators
- Processing management functions
- Providing a centralized data store of administrative information

Oracle Management Server requires the use of a [repository](#). Prior to installation, determine whether to use an existing repository or create a new repository.

Use an Existing Repository

If you use an existing release 2.2 repository, no further preinstallation steps are required. If the existing repository is an earlier release (specifically, release 2.0 or 2.1), first upgrade the older repository to the current release by running Oracle Enterprise Manager Configuration Assistant release 2.2.

Do *not* upgrade the Oracle Management Server and repository until all users of both components have upgraded their Oracle Enterprise Manager software (for example, the Oracle Enterprise Manager Console, DBA Studio, separately licensable management packs, and so on) to release 2.2. All Oracle Enterprise Manager components must be of the same release. If you upgrade the Oracle Management Server and repository to release 2.2 before upgrading all Oracle Enterprise Manager components you intend to use to release 2.2, you cannot use older version components with the newer release.

While there are no specific preinstallation steps if the existing repository is release 1.x (you still create a new release 2.2 repository), there are some required post-installation steps that enable you to migrate the release 1.x repository to the newly created release 2.2 repository.

See Also:

- Appendix B of the *Oracle Enterprise Manager Configuration Guide* for more information on upgrading a repository
- Chapter 7 of the *Oracle Enterprise Manager Configuration Guide* for details on migrating your release 1.x repository to release 2.2

Create a New Repository

If you want to create a new release 2.2 repository, first install and start a database (or select an existing, running database) in which to create the new repository. The following database versions have been certified for the release 2.2 repository: 8.1.7, 8.1.6, 8.0.6, and 7.3.4. Once a database in which to install the repository is running and available, you can install Oracle Management Server. Select to create a new repository, and the Oracle Enterprise Manager Configuration Assistant automatically starts during the post-installation configuration phase to guide you through repository creation.

Oracle Enterprise Manager Configuration Assistant is automatically started during the configuration phase of the following installation types:

- Custom of Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition
- Oracle Management Server of Oracle8i Management and Integration
- Custom of Oracle8i Management and Integration

However, this assistant must be manually started after the database server Typical installation type if you want to configure Oracle Management Server.

See Also:

- Chapter 2 of the *Oracle Enterprise Manager Configuration Guide* for more details on repository creation
- Appendix E of the *Oracle Enterprise Manager Configuration Guide* for information on the initial size of a release 2.2 repository and guidelines on how much it can grow

Oracle Enterprise Manager Web Browser Requirements

If you want to run the Oracle Enterprise Manager Console and supported management applications from a Web browser, install Oracle Enterprise Manager Web Site. By default, the Oracle Enterprise Manager Web Site bundles a preconfigured Oracle HTTP Server to act as its Web listener. However, Oracle Enterprise Manager Web Site also supports the following additional Web servers (although any Web server using a standard common gateway interface [CGI] can support Oracle Enterprise Manager release 2.2):

- Oracle Internet Application Server (iAS) release 1.0 or higher for Windows NT/2000
- Oracle HTTP Server release 1.3.12 for Windows NT/2000 (preconfigured and bundled with Oracle Enterprise Manager Web Site)
- Microsoft Internet Information Server release 4.0 or higher for Windows NT/2000
- Apache release 1.3.9 or higher for Windows NT/Windows 2000

There are no system requirements specific to Oracle Enterprise Manager Web Site (other than requiring 243 MB of available hard disk space); only system requirements for the chosen Web server. See the appropriate Web server documentation for system requirements.

See Also: See the *Oracle Enterprise Manager Configuration Guide* for more information about Oracle Enterprise Manager Web Site

Oracle Enterprise Manager Paging Server Requirements

If you want Oracle Enterprise Manager administrators to receive paging notifications of event and job status changes, you can install the Oracle Enterprise Manager Paging Server on a Windows NT or Windows 2000 computer that contains a modem configured to dial an outside line.

Networking Protocol Vendor Requirements

The table below lists the supported vendor for each networking protocol:

Net8 Protocol Feature	Platform	Supported Vendor
TCP/IP protocol	Windows NT and Windows 95/98	Microsoft TCP/IP
SPX protocol	Windows NT and Windows 95/98	<ul style="list-style-type: none"> ■ Microsoft NW Link for Windows NT, Windows 95/98 ■ Novell NetWare Client 32 release 4.1 ■ Novell IntranetWare Client release 4.1 for Windows NT ■ Novell IntranetWare Client release 2.2 for Windows 95 <p>Note: For Microsoft NW Link, Client Service for NetWare must be installed.</p>
Named Pipes protocol	Windows NT and Windows 95/98	Microsoft NETBEUI
Logical Unit Type 6.2 (LU6.2) protocol	Windows NT	Microsoft SNA Server, release 3.0
Host naming method	Windows NT	Microsoft TCP/IP
NDS naming method	Windows NT and Windows 95	<ul style="list-style-type: none"> ■ Novell NetWare Client 32 release 4.1 ■ Novell IntranetWare Client release 4.1 for Windows NT ■ Novell IntranetWare Client release 2.2 for Windows 95 <p>Note: An Oracle Server release 7.2.2 or above for NetWare release 4.1 is required.</p>
NDS authentication method	Windows NT and Windows 95	<ul style="list-style-type: none"> ■ Novell NetWare Client 32 release 4.1 ■ Novell IntranetWare Client release 4.1 for Windows NT ■ Novell IntranetWare Client release 2.2 for Windows 95 <p>Note: An Oracle Server release 7.2.2 or above for NetWare release 4.1 is required.</p>
Windows native authentication method	Windows NT and Windows 95/98	Microsoft

Selecting Database Creation and Net8 Configuration Methods

This chapter describes the Oracle8i database creation and Net8 client/server configuration methods available during installation. You must understand these methods *before* performing an installation.

Specific topics discussed are:

- [Database Creation and Network Configuration Methods](#)
- [Available Database Environments](#)
- [Selecting a Database Creation Method](#)
- [Selecting a Net8 Configuration Method](#)

Note: This chapter uses networking terms and concepts with which you may be unfamiliar. See the Glossary for definitions of terms used in this chapter and the *Net8 Administrator's Guide* for detailed descriptions of concepts.

Database Creation and Network Configuration Methods

Oracle Universal Installer provides several methods for creating an Oracle8i database and configuring your Net8 client/server networking environment during installation.

The method to select during installation depends upon:

- Your own expertise with database creation and network configuration
- The requirements of your database and network environment

You must understand these methods *before* you begin installation. By reviewing the information in this chapter, you can ensure that you create and configure a database and network environment that best matches your needs from the beginning.

Oracle8i database and Net8 components are installed through several installation types. Review the installation types in this table to identify how much user input is required for database creation and network configuration during installation. The "X" indicates whether you are prompted to provide no, minimal, or extensive input during installation. See the remaining sections of this chapter for specific details on what information is automatically created for you, and what information you must manually provide.

Installation Types	User Input Required for Database Creation			User Input Required for Net8 Configuration		
	None	Minimal	Extensive	None	Minimal	Extensive
Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition						
■ Typical		X		X		
■ Minimal		X		X		
■ Custom, and then select:						
Net8 Client or Net8 Server		Not applicable		X ¹		X ¹
or						
Oracle8i Server			X		Not applicable	

Installation Types	User Input Required for Database Creation			User Input Required for Net8 Configuration		
	None	Minimal	Extensive	None	Minimal	Extensive
Oracle8i Client²						
■ Administrator	Not applicable			X		
■ Programmer	Not applicable			X		
■ Application User	Not applicable			X		
■ Custom, and select: Net8 Client	Not applicable			X ¹		X ¹
Oracle8i Management and Integration						
■ Oracle Management Server	Not applicable			X		
■ Oracle Internet Directory	X			X		
■ Oracle Integration Server	X			X		
■ Custom, and then select: Oracle8i Server				X		
				Not applicable		

¹ Selecting through the Custom installation type prompts you to create a configuration requiring either no user input or a configuration requiring extensive user input. See ["Selecting a Net8 Configuration Method"](#) on page 4-8 for more information.

² You cannot install an Oracle8i database through the Oracle8i Client top-level component.

Note: If you select the Oracle Internet Directory installation type described in the table above, an Oracle8i database will be automatically installed if one is not currently installed in the same home. Use this database only for storing Oracle Internet Directory information. If you select the Oracle Integration Server installation type and no Oracle8i database is currently installed in the current Oracle home, the same database that you receive with the Typical installation type is automatically installed.

Note: Net8 Server and Net8 Client cannot be selectively installed through the Custom installation type of Oracle8i Management and Integration. Net8 components are automatically installed with the Oracle Management Server, Oracle Internet Directory, and Oracle Integration Server installation types of Oracle8i Management and Integration.

Available Database Environments

Oracle Universal Installer enables you to create an Oracle8i database that operates in one of the following environments. Identify the environment appropriate for your Oracle8i database:

Environment	Description
Online Transaction Processing (OLTP)	<p>Many concurrent users performing numerous transactions requiring rapid access to data. Availability, speed, concurrence, and recoverability are key issues.</p> <p>Transactions consist of reading (SELECT statements), writing (INSERT and UPDATE statements), and deleting (DELETE statements) data in database tables.</p>
Data Warehousing	<p>Users perform numerous complex queries that process large volumes of data. Response time, accuracy, and availability are key issues.</p> <p>These queries (typically read-only) range from a simple fetch of a few records to numerous complex queries that sort thousands of records from many different tables. Data warehousing environments are also known as Decision Support System (DSS) environments.</p>
Multipurpose	<p>Both types of applications (OLTP or data warehousing) can access this database.</p>

See Also: Oracle Database Configuration Assistant online help for information on the initialization file parameters affected by your database selection

Selecting a Database Creation Method

Oracle Database Configuration Assistant is a tool that enables you to create an Oracle8i database for an OLTP, data warehousing, or multipurpose environment. Oracle Database Configuration Assistant is automatically started by Oracle Universal Installer when you select to create an Oracle8i database as part of the installation process or can be manually run as a standalone tool after installation.

Note: This chapter describes running Oracle Database Configuration Assistant from within Oracle Universal Installer. See Chapter 6, "Post-Installation Database Creation" of *Oracle8i Administrator's Guide for Windows NT* for information on running Oracle Database Configuration Assistant in standalone mode. See Chapter 2, "Database Tools Overview" of *Oracle8i Administrator's Guide for Windows NT* for instructions on starting this tool in standalone mode.

When you run Oracle Universal Installer and select Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition in the *Available Products* window, the *Installation Types* window appears and presents you with three installation types. Each installation type enables you to create an Oracle8i database.



The types of databases (OLTP, data warehousing, and multipurpose) created with the Typical, Minimal, and Custom installation types and the amount of user input required are described in the following table. Review these selections and identify the database that best matches your database requirements and database creation expertise:

If You Perform These Steps...	Then...
<p>1. Select the <i>Typical installation type</i>.</p>	<p>Oracle Database Configuration Assistant automatically starts at the end of installation and creates a preconfigured, ready-to-use multipurpose starter database with:</p> <ul style="list-style-type: none"> ■ Default initialization parameters ■ Automatic installation and configuration of Oracle JServer, Oracle Spatial, Oracle Time Series, Oracle Visual Information Retrieval, and Oracle <i>interMedia</i> components¹ ■ Advanced replication capabilities ■ Database configured in dedicated server mode² ■ Archiving mode set to NOARCHIVELOG <p>No user input is required other than the global database name and SID you are prompted to enter prior to Oracle Database Configuration Assistant startup.</p>
<p>1. Select the <i>Minimal installation type</i>.</p> <p>2. Select Yes when prompted to create a starter database.</p> <p>Note: If you select No, all server components are installed, but a database is not created. You can create your database later by manually running Oracle Database Configuration Assistant or a SQL script. See Chapter 6, "Post-Installation Database Creation" of <i>Oracle8i Administrator's Guide for Windows NT</i> for instructions.</p>	<p>Oracle Database Configuration Assistant automatically starts at the end of installation and creates the same Oracle8i database that you receive with the <i>Typical installation type</i>. The one difference is that the Oracle Spatial, Oracle Time Series, Oracle Visual Information Retrieval, and Oracle <i>interMedia</i> components are not part of the Minimal installation type. If you want to use these components with your Oracle8i database, you must separately install them through the Custom installation type and configure them manually with Oracle Database Configuration Assistant or by running scripts.</p>

If You Perform These Steps...	Then...
<ol style="list-style-type: none"> 1. Select the <i>Custom installation type</i>. 2. Select Oracle8i Server and additional products in the <i>Available Product Components</i> window. 3. Select Yes when prompted to create a starter database. Oracle Database Configuration Assistant prompts you to select a <i>database environment</i>: <ul style="list-style-type: none"> Online Transaction Processing Data Warehousing Multipurpose 	<p>Oracle Database Configuration Assistant guides you in the creation of a database customized to match the environment (OLTP, data warehousing, or multipurpose) and configuration mode (dedicated server or multithreaded server) you select. Oracle JServer, Oracle Spatial, Oracle Time Series, Oracle Visual Information Retrieval, and Oracle <i>interMedia</i> (if installed) and advanced replication (if selected) are automatically configured. Select this option only if you are experienced with advanced database creation procedures, such as customizing:</p> <ul style="list-style-type: none"> ■ Data, control, and redo log file settings ■ Tablespace and extent sizes ■ Database memory parameters ■ Archiving modes, formats, and destinations ■ Trace file destinations ■ Character set values

¹ Oracle Database Configuration Assistant only configures components that were installed through Oracle Universal Installer. In addition, the components available with your Oracle8i database type depend upon the database type you purchased.

² See Chapter 6, "Post-Installation Database Creation" of *Oracle8i Administrator's Guide for Windows NT* for descriptions of dedicated server mode and multithreaded server mode (also known as shared server mode).

Note: The Oracle8i database created through the Typical installation type is also created if you select the Oracle Integration Server or Oracle Internet Directory installation type and no Oracle8i database is currently installed in the specified Oracle home.

Selecting a Net8 Configuration Method

Net8 Configuration Assistant is a tool that enables you to configure your network environment to enable Oracle clients to connect to an Oracle8i database. Net8 Configuration Assistant can be automatically started from Oracle Universal Installer through most installation types or manually started as a standalone tool.

Note: This chapter describes running Net8 Configuration Assistant from within Oracle Universal Installer. See the *Net8 Administrator's Guide* or the Net8 Configuration Assistant online help for information on running Net8 Configuration Assistant in standalone mode. See Chapter 2, "Database Tools Overview" of *Oracle8i Administrator's Guide for Windows NT* for instructions on starting this tool in standalone mode.

Depending on the installation type selected, Net8 Configuration Assistant configures your network in either of two ways:

- Automatically configures your network for standard database connection methods
- Creates a customized network by prompting you for input

Configuration consists of creating and modifying a series of network files located in the `ORACLE_BASE\ORACLE_HOME\NETWORK\ADMIN` directory.

Server Network Configuration

The type of network configuration created with the server installation types and the amount of user input required are described below. Review the selections below and identify the network configuration that best matches your requirements and network configuration expertise:

If You Perform These Steps.....	Then...
<ol style="list-style-type: none"> 1. Select Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition. 2. Select the Typical or Minimal installation type. 	<p>Net8 Configuration Assistant automatically creates your Net8 server environment by configuring information in the following files:</p> <ul style="list-style-type: none"> ■ LISTENER.ORA file <p>Configures a listener named LISTENER with protocol addresses for both the Oracle8i database (using your operating system's preferred protocol, which is typically TCP/IP on port 1521) and for external routines (using the IPC protocol)</p> <p>Configures service information for external routines</p> ■ TNSNAMES.ORA file <p>Creates a net service name in the TNSNAMES.ORA file to use for external routines</p> ■ SQLNET.ORA file <p>Configures the database to accept operating system authenticated connections (OPSS)</p> <p>Configures the server's domain as the default domain (the domain in which your computer is located). This domain is automatically appended to any unqualified net service name.</p> <p>Configures the naming methods the server uses to resolve a name to a connect descriptor</p> <p>Oracle Database Configuration Assistant automatically configures additional Net8 server information in the following files during successful creation of the Oracle8i database:</p> <ul style="list-style-type: none"> ■ LISTENER.ORA file <p>Configures service information for the Oracle8i database</p> <p>Note: You cannot configure access to a lightweight directory access protocol (LDAP)-compliant directory server through the Typical or Minimal installation types. Directory server configuration is only available through the Custom installation type.</p> <p>Note: Oracle Database Configuration Assistant configures additional information for Oracle Parallel Server installations. See the <i>Oracle8i Parallel Server Setup and Configuration Guide</i> for more information.</p>

If You Select These Installation Types... Then...

1. Select Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition.
 - Net8 Configuration Assistant first prompts you to:
 - Complete directory server access configuration, including entering a directory server type and location and administrative context from which the server can look up, create, and modify net service names¹
 - Create a listener(s) and select network protocols to use for database connections
 - Select if you want to change the configured naming method. By default, the local naming method is configured; this enables the TNSNAMES.ORA file to be used by the Oracle8i database for connecting back to itself as well as allowing client programs to connect to this database or other databases using local naming.
2. Select Custom.
3. Select Net8 Server and Net8 Client.
 - Net8 Configuration Assistant then automatically creates your Net8 server environment by configuring information in the following files:
 - LISTENER.ORA file
 - Configures a listener with a name and protocol address that you choose. In addition, a protocol address and service information for external routines are configured.
 - SQLNET.ORA file
 - Configures the database to accept operating system authenticated connections (OPSS)
 - Configures the server's domain as the default domain (the domain in which your computer is located). This domain is automatically appended to any unqualified net service name.
 - Configures the naming methods the server uses to resolve a name to a connect descriptor
 - TNSNAMES.ORA and LISTENER.ORA files
 - Creates a net service name entry for external routine connections
 - LDAP.ORA file (if you chose to complete directory server access configuration)
 - Configures directory server access by identifying the directory server type. It may also identify the directory location and the [administrative context](#) from which the server can look up, create, and modify database service and net service name entries.
 - Oracle Database Configuration Assistant automatically configures additional Net8 server information in the following file during successful creation of the Oracle8i database:
 - LISTENER.ORA file
 - Configures service information for the Oracle8i database

¹ You are prompted for this information if you have never configured this Oracle home for directory server access.

Client Network Configuration

The type of network configurations created with the client installation types and the amount of user input required are described below. Review the selections below and identify the network configuration that best matches your requirements and network configuration expertise:

If You Perform These Steps...	Then...
1. Select Oracle8i Client.	Net8 Configuration Assistant first prompts you to select one of the following methods by which to configure access to your Oracle8i database:
2. Select Administrator, Programmer, or Application User.	<ul style="list-style-type: none"> <li data-bbox="382 569 615 638">■ Directory naming A directory server <li data-bbox="382 647 1305 760">■ Local naming A net service name enables you to make client connections to the Oracle8i database Depending on what you select, you are prompted to provide additional information. Net8 Configuration Assistant then automatically creates your Net8 client environment by configuring information in the following files: <ul style="list-style-type: none"> <li data-bbox="382 838 1286 960">■ LDAP.ORA file, if the directory naming method was selected above Configures directory server access by identifying the directory server type. It may also identify the directory location and the administrative context from which the client can look up net service names. <li data-bbox="382 968 1229 1038">■ TNSNAMES.ORA file Configures a net service name, if a local naming method was selected above <li data-bbox="382 1046 1305 1168">■ SQLNET.ORA file Configures the client's domain as the default domain (the domain in which your computer is located). This domain is automatically appended to any unqualified net service name given in the connect string. Configures the naming methods the client uses to resolve a name to a connect descriptor

If You Perform These Steps...	Then...
1. Select Oracle8i Client. 2. Select Custom. 3. Select Net8 Client.	<p>Net8 Configuration Assistant first prompts you to:</p> <ul style="list-style-type: none">■ Complete directory server access configuration, including entering a directory server type and location and administrative context from which the client can look up, create, and modify net service names¹■ Select the naming method to use to connect to databases. For example, selecting the local naming method enables the TNSNAMES.ORA file to be used. Depending on your selection, you are prompted for additional information. For the local naming method, you are prompted to enter a net service name, a database SID, and a networking protocol to use.
	<p>Net8 Configuration Assistant then automatically creates your Net8 client environment by configuring information in the following files:</p> <ul style="list-style-type: none">■ SQLNET.ORA file Configures the client to request operating system authenticated connections (OPSS) Configures the client's domain as the default domain (the domain in which your computer is located). This domain is automatically appended to any unqualified name. Configures the naming methods the client uses to resolve a name to a connect descriptor■ TNSNAMES.ORA file Configures a net service name, if the local naming method was selected above to connect to your Oracle8i database■ LDAP.ORA file, if directory access configuration was selected above Configures directory server access by identifying the directory server type. It may also identify the directory location and the administrative context.

¹ You are prompted for this information if you have never configured this Oracle home for directory server access.

Installing Oracle Components and Documentation

This chapter describes how to install Oracle components.

Specific topics discussed are:

- [Installation Differences Between Windows NT and UNIX](#)
- [Keyboard Navigation](#)
- [Preinstallation Tasks](#)
- [Installing Oracle Components](#)
- [Installing and Viewing the Oracle8i Server Online Documentation](#)

Note: This chapter describes how to install components from the component CD-ROM and documentation from the Oracle8i Server Online Documentation CD-ROM. See [Appendix C, "Advanced Installation Topics"](#) for information on advanced installation topics, such as using response files, using Oracle Software Packager, and installing and using Oracle components in different languages.

Installation Differences Between Windows NT and UNIX

Database administrators experienced with installing Oracle components in UNIX environments must note that many manual setup tasks required on UNIX are not required on Windows NT. For example, on Windows NT, you *do not need* to manually:

- Set environmental variables
- Create a UNIX DBA group for database administrators
- Create a UNIX group for users running Oracle Universal Installer
- Create a UNIX account solely dedicated to installing and upgrading Oracle components

All preinstallation tasks required on Windows NT are described in this chapter.

Keyboard Navigation

This guide describes how to navigate Oracle Universal Installer windows with a mouse. You can also navigate with keyboard commands. Windows operating systems include a series of keyboard commands that can be used with Oracle Universal Installer. For example, the tab key enables you to navigate from item to item in a window. Oracle Universal Installer includes several windows that require navigation through components in a hierarchical tree. These windows include:

- *Available Product Components* window (lists the components available for installation)
- *Summary* window (lists the components about to be installed)
- *Inventory* window (lists the installed components)

This table describes how to navigate these windows with keyboard commands:

To...	Use The...
Move up and down a list of components	Up and down arrows
Open an expandable tree of components	Right arrow
Close an expanded tree of components	Left arrow
Select or deselect a component	Space bar

See Also: The Microsoft Web site for information on standard keyboard navigational commands:

<http://www.microsoft.com>

Preinstallation Tasks

Perform the following tasks before installing Oracle components.

To perform preinstallation tasks:

1. Ensure that you have read the appropriate online documentation described in ["What Documentation Do I Read First?"](#) on page 1-7 before you begin installation. This is particularly important if you are upgrading or migrating an existing Oracle database.
2. Ensure that you have reviewed and satisfied applicable system and component requirements in [Chapter 3, "Installation Requirements"](#) before you begin installation.
3. Start your operating system.
4. If you are installing on Windows NT, log on as a member of the Administrators group to the computer on which to install Oracle components.

Note: Do not manually set ORACLE_HOME in the environment. This is automatically done in the registry. Setting ORACLE_HOME in the environment is not necessary or recommended and prevents multiple Oracle home environments from functioning properly. See Chapter 3, "Multiple Oracle Homes and Optimal Flexible Architecture" of the *Oracle8i Administrator's Guide for Windows NT* for more information.

5. Ensure that you have backed up any databases to migrate or upgrade.
6. If applicable, install and test your network hardware and software.
7. Stop all Oracle services (if any are running) for the Oracle home into which you want to install Oracle components:
 - a. Choose Start > Settings > Control Panel > Services.
 - b. If any Oracle services (their names begin with Oracle) exist and have the status *Started*, select the service and choose Stop. In particular, ensure that the Oracle listener service (named OracleHOME_NAMETNSListener for 8.1 databases, OracleTNSListener80 for 8.0 databases, or OracleTNSListener for 7.3 databases) is stopped.
 - c. Choose Close to exit the *Services* window.

8. Insert the component CD-ROM into your CD-ROM drive.

The *Autorun* window automatically appears. If the *Autorun* window does not appear:

- a. Choose Start > Run.
- b. Enter the following:

```
DRIVE_LETTER:\AUTORUN\AUTORUN.EXE
```

The *Autorun* window appears.

9. See "[Installing Oracle Components](#)" on page 5-5 for instructions on installing Oracle components.

Installing Oracle Components

Follow these procedures to install Oracle8i components.

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.

Note: Oracle Universal Installer automatically installs Oracle's version of the Java Runtime Environment (JRE). This version is required to run Oracle Universal Installer and several Oracle assistants. Do *not* modify the JRE, unless doing so with a patch provided by Oracle Support Services. Visit:

<http://www.oracle.com/support>

To install Oracle components:

1. Ensure that you have followed all preinstallation steps described in "[Preinstallation Tasks](#)" on page 5-3.
2. Choose Install/Deinstall Products from the *Autorun* window.
The *Welcome* window appears.
3. Choose Next.
The *File Locations* window appears. Do *not* change the directory path in the *Source* field. This is the CD-ROM location of files for installation.
4. Enter the Oracle home name and directory path in which to install Oracle components in the *Destination* fields. If you are installing Oracle Parallel Server, all nodes in the cluster have the same Oracle home.

The home name can be up to 16 characters in length and must only include alphanumeric characters and underscores. The default directory path is *<drive with the most available space>:\ORACLE\ORA81*. Spaces are not allowed.

Attention: If you have an existing Oracle home created with a pre-8.1.x release, you *must* change the default installation location to a different location.

Note: If you install Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition into an Oracle home directory that already contains Oracle release 8.1.7 client software, the listener is not created. Perform the second installation into a different Oracle home to create the listener.

5. Choose Next.
The *Available Products* window appears.
6. Select the Oracle top-level component you want to install and choose Next.
7. See the appropriate section based on the selection you made in step 6.

If You Selected...	See This Section...
Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Note: The top-level component name that appears depends on the Oracle8i database type you purchased.	"Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition" on page 5-7
Oracle8i Client	"Oracle8i Client" on page 5-17
Oracle8i Management and Integration	"Oracle8i Management and Integration" on page 5-20

Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition

Note: For a list of components installed with the Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition installation type, see "[Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Components](#)" on page A-2.

The *Installation Types* window appears if you selected [Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition](#) at step 6 on page 5-6.

1. Select the installation type you want to install and choose Next.
2. See the appropriate section based on the selection you made in step 1.

If You Selected...	See This Section...
Typical	" Typical " on page 5-7
Minimal	" Minimal " on page 5-11
Custom	" Custom " on page 5-14

Typical

The windows that appear if you selected Typical at step 1 on page 5-7 depend upon your computer configuration and which Oracle components are currently installed.

1. If your computer is detected to be part of a cluster, the *Cluster Node Selection* window appears. Select the nodes in the cluster on which to install Oracle Parallel Server software and choose Next.
2. Go to the appropriate step based on whether an Oracle database is detected on your computer:

If...	Then...	Go To...
A pre-8.1.7 Oracle database is detected on your computer	The <i>Upgrading or Migrating an Existing Database</i> window appears and prompts you to migrate or upgrade your database with Oracle Data Migration Assistant	Step 3
No Oracle database is detected on your computer	The <i>Database Identification</i> window appears and prompts you to enter the global database name and SID for your Oracle8i database	Step 4

3. Select whether or not to upgrade or migrate your database to the latest release:

If You...	Then...
Want to upgrade or migrate	<ol style="list-style-type: none"> 1. Select the <i>Upgrade or Migrate an Existing Database</i> check box and the SID of the database to upgrade or migrate to the latest Oracle8i database release. 2. Choose Next. The <i>Summary</i> window appears. 3. Go to step 6.
Do not want to upgrade or migrate	<ol style="list-style-type: none"> 1. Do not select the <i>Upgrade or Migrate an Existing Database</i> check box. 2. Choose Next. The <i>Database Identification</i> window appears. 3. Go to step 4.

4. Enter the Global Database Name and SID in the fields provided:

In This Field...	Enter The...
Global Database Name	<p>Full database name that uniquely distinguishes it from any other database in your network domain. For example:</p> <p><code>sales.us.acme.com</code></p> <p>where <i>sales</i> is the name you want to call your database and <i>us.acme.com</i> is the network domain in which the database is located.</p>
SID	<p>Database instance name that uniquely distinguishes it from any other database on your computer. The SID automatically defaults to the database name portion of the global database name (<i>sales</i> in the example above) until you reach eight characters or enter a period. You can accept or change the default value.</p> <p>Note: For Oracle Parallel Server, the SID you enter is automatically appended with an identifier. For example, if OP is entered, the first instance in the cluster is given a SID of OP1, and the second instance is given a SID of OP2.</p>

This information is used when Oracle Database Configuration Assistant creates your database after installation.

5. Choose Next.

The *Summary* window appears.

6. Review the space requirements to ensure that you have enough disk space and choose Install.
7. Wait until the selected components are installed.

The *Configuration Tools* window appears at the end of installation and automatically starts the following assistants to create and configure your database and network environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Automatically configures your Net8 server networking software. See Also: " Server Network Configuration " on page 4-9 for a description of the configuration procedures performed
Oracle Database Configuration Assistant	<ul style="list-style-type: none"> ▪ If no Oracle database is installed in the currently-specified Oracle home ▪ If you did not select to migrate or upgrade a detected database when prompted at step 3 	Automatically creates an Oracle8i release 8.1.7 database See Also: " Selecting a Database Creation Method " on page 4-5 for a description of the configuration procedures performed
Oracle Data Migration Assistant	If you selected to migrate or upgrade a detected database when prompted at step 3	Migrates or upgrades the selected database to Oracle8i release 8.1.7
Starting Oracle HTTP Service	In all cases	Creates and starts the HTTP listener as a standalone process for the current session. The OracleHOME_NAMEHTTPServer service starts after a computer reboot.

The *Configuration Tools* window displays the results of running these assistants.

Note: Oracle Enterprise Manager Configuration Assistant does not automatically start at the end of installation to configure Oracle Management Server or create the Oracle Management Server service. You must manually start Oracle Enterprise Manager Configuration Assistant after installation to use the installed Oracle Management Server. This assistant creates a release 2.2 repository, edits configuration parameters, removes an existing release 2.2 repository, or upgrades a release 2.0 or 2.1 repository to 2.2. See the *Oracle Enterprise Manager Configuration Guide* for more information.

Note: Oracle Database Configuration Assistant and Oracle Data Migration Assistant never run together during the same installation session.

8. Choose Next to continue.
The *End of Installation* window appears.
9. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: ["Reviewing a Log of an Installation Session"](#) on page 5-37 for a summary of your installation session

Minimal

The windows that appear if you selected Minimal at step 1 on page 5-7 depend upon which Oracle components are currently installed.

1. Go to the appropriate step based on whether an Oracle database is detected on your computer:

If...	Then...	Go To...
A pre-8.1.7 Oracle database is detected on your computer	The <i>Upgrading or Migrating an Existing Database</i> window appears and prompts you to migrate or upgrade your database with Oracle Data Migration Assistant	Step 2
No Oracle database is detected on your computer	The <i>Select Starter Database</i> window appears and prompts you to install an Oracle8i database	Step 3

2. Select whether or not to upgrade or migrate your database to the latest release:

If You...	Then...
Want to upgrade or migrate	<ol style="list-style-type: none"> 1. Select the <i>Upgrade or Migrate an Existing Database</i> check box and the SID of the database to upgrade or migrate to the latest Oracle8i database release. 2. Choose Next. The <i>Summary</i> window appears. 3. Go to step 6.
Do not want to upgrade or migrate	<ol style="list-style-type: none"> 1. Do not select the <i>Upgrade or Migrate an Existing Database</i> check box. 2. Choose Next. The <i>Select Starter Database</i> window appears. 3. Go to step 3.

3. Select Yes to install an Oracle8i database. Otherwise, select No and go to step 6. Selecting No installs all server components except a database. You can create your database later by manually running Oracle Database Configuration Assistant or through your own SQL script.

The *Database Identification* window appears if you chose Yes.

4. Enter the Global Database Name and SID in the fields provided:

In This Field...	Enter The...
Global Database Name	<p>Full database name that uniquely distinguishes it from any other database in your network domain. For example:</p> <p><code>sales.us.acme.com</code></p> <p>where <i>sales</i> is the name you want to call your database and <i>us.acme.com</i> is the network domain in which the database is located.</p>
SID	<p>Database instance name that uniquely distinguishes it from any other database on your computer. The SID automatically defaults to the database name portion of the global database name (<i>sales</i> in the example above) until you reach eight characters or enter a period. You can accept or change the default value.</p>

This information is used when Oracle Database Configuration Assistant creates your database after installation.

5. Choose Next.

The *Summary* window appears.

6. Review the space requirements to ensure that you have enough disk space and choose Install.
7. Wait until the selected components are installed.

The *Configuration Tools* window appears at the end of installation and, based on your selections above, automatically starts the following assistants to create and configure your database and network environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	<p>If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home</p> <p>Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded</p>	<p>Automatically configures your Net8 server networking software</p> <p>See Also: "Server Network Configuration" on page 4-9 for a description of the configuration procedures performed</p>

This Tool...	Starts...	And...
Oracle Database Configuration Assistant	If you answered Yes when prompted at step 3 to install an Oracle8i database	Automatically creates an Oracle8i release 8.1.7 database See Also: " Selecting a Database Creation Method " on page 4-5 for a description of the configuration procedures performed
Oracle Data Migration Assistant	If you selected to migrate or upgrade a detected database when prompted at step 2	Migrates or upgrades the selected database to Oracle8i release 8.1.7
Starting Oracle HTTP Service	In all cases	Creates and starts the HTTP listener as a standalone process for the current session. The OracleHOME_NAMEHTTPServer service starts after a computer reboot.

The *Configuration Tools* window displays the results of running these assistants.

Note: Oracle Database Configuration Assistant and Oracle Data Migration Assistant are never started together during the same installation session.

8. Choose Next to continue.

The *End of Installation* window appears.

9. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Custom

The *Available Product Components* window appears if you selected Custom at step 1 of "Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition" on page 5-7. The *Install Status* column of the *Available Product Components* window displays the status of all components available for installation:

This Status...	Means the Component Is...
Installed	Already installed
New Install	Selected to be installed for the first time
Not Installed	Not currently installed or selected for installation
Reinstall	Currently installed, but you have chosen to reinstall
Upgrade	Currently installed, but will be upgraded (for example, an earlier database release)

1. Ensure that components you want to install are checked in their corresponding check box.

Note: Be careful when selecting or deselecting components for installation. If you uncheck a check box of a component, that component will not be installed.

2. Choose Next.

The *Component Locations* window appears and enables you to select alternate locations in which to install some components.

3. Choose Next to accept the default locations. Otherwise, choose a component to enable a text box for changing the default location.
4. If you selected any of the following components at step 1, provide appropriate responses when prompted. Note that most components install silently without prompting you for additional information.

If You Selected...	You Are...
Net8 Client	<p data-bbox="675 274 1310 404"><i>Not</i> prompted to enter any information. However, Net8 Configuration Assistant starts at the end of installation to configure your server networking files if Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home.</p> <p data-bbox="675 421 1310 473">Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded</p> <p data-bbox="675 491 1310 543">See Also: "Server Network Configuration" on page 4-9 for a description of the configuration procedures performed</p>
Oracle Advanced Security	<p data-bbox="675 560 1310 690">Prompted to select the authentication methods for which you want Oracle support. Kerberos, SecurID, and Radius automatically appear for selection. Identix, CyberSafe, and Entrust only appear if the appropriate third-party software is installed.</p>
Oracle Management Server	<p data-bbox="675 716 1310 795">Prompted to select between using an existing or new release 2.2 repository. See "Oracle Management Server" on page 5-20 for a description of windows that appear.</p> <p data-bbox="675 812 1310 855">See Also: <i>Oracle Enterprise Manager Configuration Guide</i> for more information.</p>
Oracle Parallel Server	<p data-bbox="675 881 1310 933">Prompted to select the nodes in the cluster on which you want to install the software.</p> <p data-bbox="675 951 1310 1003">Note: This component only appears for selection if your computer is detected to be part of a cluster.</p>
Oracle Protocol Support	<p data-bbox="675 1020 1310 1098">Prompted to select the network protocol adapters for which to provide Oracle support. See the online help for a description of the Status column on this window.</p>
Oracle Services for Microsoft Transaction Server	<p data-bbox="675 1124 1310 1168">Prompted to install Microsoft Transaction Server after installation, if it is not currently installed.</p>

If You Selected...	You Are...
Oracle8i Server	<p data-bbox="625 262 763 288">Prompted to:</p> <ul style="list-style-type: none"> <li data-bbox="625 305 1249 409">■ Create a database (if you did not select to migrate one). Oracle Database Configuration Assistant starts at the end of installation and guides you through database creation. <li data-bbox="625 427 1256 479">■ Enter the global database name and SID of the database to create. <p data-bbox="672 496 1256 565">See Also: "Selecting a Database Creation Method" on page 4-5 for a description of the database configuration procedures you can perform.</p> <p data-bbox="625 583 1263 715">Note: If an earlier release of an Oracle database is detected on your hard drive, you are prompted to upgrade or migrate to Oracle8i database release 8.1.7. Oracle Data Migration Assistant starts at the end of installation and guides you through database upgrade or migration.</p>

The *Summary* window appears.

5. Review the space requirements to ensure that you have enough disk space and choose Install.
6. Wait until the selected components are installed and any configuration tools have completed running.

The *End of Installation* window appears.

7. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Oracle8i Client

Note: Reboot your computer after first time Oracle installations on Windows 95 or 98. Subsequent installations only require a reboot if the Oracle home changes.

Note: For a list of components installed with each Oracle8i Client installation type, see "[Oracle8i Client Components](#)" on page A-9.

The *Installation Types* window appears if you selected [Oracle8i Client](#) at step 6 on page 5-6.

1. Select the installation type you want to install and choose Next.
2. See the appropriate section based on the selection you made in step 1.

If You Selected...	See This Section...
Administrator, Programmer, or Application User	"Administrator, Programmer, or Application User" on page 5-17
Custom	"Custom" on page 5-18

Administrator, Programmer, or Application User

The *Summary* window appears.

1. Review the space requirements to ensure that you have enough disk space and choose Install.
2. Wait until the selected components are installed.

The *Configuration Tools* window appears and Net8 Configuration Assistant starts and prompts you to select a method by which to configure client access to your Oracle8i database if Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home. Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded.

3. Select a method for configuring client access to your Oracle8i database. See the online Help and "[Client Network Configuration](#)" on page 4-11 for more information on your choices.

The *End of Installation* window appears.

4. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: See "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Custom

The *Available Product Components* window appears if you selected Custom at step 1 of "[Oracle8i Client](#)" on page 5-17. The *Install Status* column of the *Available Product Components* window displays the status of all components available for installation:

This Status...	Means the Component Is...
Installed	Already installed
New Install	Selected to be installed for the first time
Not Installed	Not currently installed or selected for installation
Reinstall	Currently installed, but you have chosen to reinstall
Upgrade	Currently installed, but will be upgraded

1. Ensure that components you want to install are checked in their corresponding check box.

Note: Be careful when selecting or deselecting components for installation. If you uncheck a check box of a component, that component will not be installed.

2. Select appropriate components to install and choose Next.

The *Component Locations* window appears and enables you to select alternate locations in which to install some components.

3. Choose Next to accept the default locations. Otherwise, choose a component to enable a text box for changing the default location, and choose Next.

4. If you selected any of the following components, provide appropriate responses when prompted. Note that most components install silently without prompting you for additional information.

If You Selected...	You Are...
Net8 Client	<p><i>Not</i> prompted to enter any information. However, Net8 Configuration Assistant starts at the end of installation and prompts you to configure client access to your Oracle8i database if Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home.</p> <p>Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded</p> <p>See Also: "Client Network Configuration" on page 4-11 for a description of the configuration procedures performed</p>
Oracle Advanced Security	<p>Prompted to select the authentication methods for which you want Oracle support. Kerberos, SecurID, and Radius automatically appear for selection. Identix, CyberSafe, and Entrust only appear if the appropriate third-party software is installed.</p>
Oracle Protocol Support	<p>Prompted to select the network protocol adapters for which to provide Oracle support. See the online help for a description of the Status column on this window.</p>
Oracle Services for Microsoft Transaction Server	<p>Prompted to install Microsoft Transaction Server after installation, if it is not currently installed.</p>

The *Summary* window appears.

- Review the space requirements to ensure that you have enough disk space and choose Install.
- Wait until the selected components are installed and any configuration tools have completed running.

The *End of Installation* window appears.

- Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Oracle8i Management and Integration

Note: For a list of components installed with each Oracle8i Management and Integration installation type, see "[Oracle8i Management and Integration Components](#)" on page A-14.

The *Installation Types* window appears if you selected [Oracle8i Management and Integration](#) at step 6 on page 5-6.

1. Select the installation type you want to install and choose Next.
2. See the appropriate section based on the selection you made in step 1.

If You Selected...	See This Section...
Oracle Management Server	"Oracle Management Server" on page 5-20
Oracle Internet Directory	"Oracle Internet Directory" on page 5-24
Oracle Integration Server	"Oracle Integration Server" on page 5-29
Custom	"Custom" on page 5-33

Oracle Management Server

The *Oracle Management Server Repository* window appears.

Important: Do not upgrade or migrate the Oracle Management Server and repository until all users of both components have upgrade or migrated their Oracle Enterprise Manager software (for example, console, DBA Studio, separately licensable management packs, and so on) to release 2.2. All Oracle Enterprise Manager products must be of the same release. If you upgrade or migrate your Oracle Management Server and repository to release 2.2 before upgrading or migrating all Oracle Enterprise Manager components you intend to use to release 2.2, you are unable to use older version products with the newer release.

1. Carefully review and select the repository type to use with the Oracle Management Server:

Type	In This Situation...
Use an existing repository	<p>Select this type:</p> <ul style="list-style-type: none"> ■ If you have already created and configured a release 2.2 repository for the environment to be managed and want this Oracle Management Server to use that existing repository. ■ If you want to upgrade an existing release 2.0.x or 2.1 repository to release 2.2. Oracle Enterprise Manager Configuration Assistant automatically starts at the end of installation and performs some configuration procedures. However, the repository is <i>not</i> automatically upgraded. When installation is complete, manually start the Oracle Enterprise Manager Configuration Assistant to upgrade the existing release 2.0.x or 2.1 repository to release 2.2. Start Oracle Enterprise Manager Configuration Assistant as follows: Start > Programs > Oracle - HOME_NAME > Enterprise Manager > Configuration Assistant
Require a new repository	<p>Select this type:</p> <ul style="list-style-type: none"> ■ If an existing release 2.2 repository is unavailable or an existing release 1.x repository needs to be migrated to release 2.2. In either situation, a new repository must be created. Oracle Enterprise Manager Configuration Assistant is automatically launched at the end of installation to create a new repository. ■ If you need to migrate a release 1.x repository, Oracle Enterprise Manager Configuration Assistant first creates a new release 2.2 repository. You must then manually launch the Oracle Enterprise Manager Migration Assistant to perform the migration.

See Also: *Oracle Enterprise Manager Configuration Guide* for more information

The *Summary* window appears.

2. Review the space requirements to ensure that you have enough disk space and choose Install.

The *Configuration Tools* window appears at the end of installation and automatically starts the following assistants to create and partially configure your network and database repository environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Prompts you to configure your Net8 networking software. See Also: " Client Network Configuration " on page 4-11 for a description of the configuration procedures performed
Oracle Enterprise Manager Configuration Assistant	In all cases	Guides you through repository configuration. See Step 3 for instructions. See Also: <i>Oracle Enterprise Manager Configuration Guide</i> for more information

The *Select Database for Repository* window appears.

- Provide appropriate responses based on the repository type you selected in step 1 of "[Oracle Management Server](#)" on page 5-21:

If You Selected...	You are Prompted to Enter the Following Information...
Use an existing repository	Release 2.2 repository connection information: <ul style="list-style-type: none"> User name and password for the existing release 2.2 repository The new Oracle Management Server service, specified as: <i>hostname:port_number:SID</i> <p>If you need to upgrade your release 2.0 or 2.1 repository to a release 2.2 repository, you must also start Oracle Enterprise Manager Configuration Assistant <i>after</i> installation.</p>
Require a new repository	Information about the database in which to create the repository: <ul style="list-style-type: none"> User name (with DBA privileges) and password (for example, SYSTEM/MANAGER) The new Oracle Management Server service, specified as: <i>hostname:port_number:SID</i> <p>If you need to migrate your release 1.x repository to a release 2.2 repository, you must start Oracle Enterprise Manager Migration Assistant <i>after</i> installation. Additional windows appear to assist you in creating a repository in the selected database.</p>

See Also: *Oracle Enterprise Manager Configuration Guide*

Note: The default port number used by most databases is 1521.

4. Provide appropriate responses to the remaining Oracle Enterprise Manager Configuration Assistant windows.

The *End of Installation* window appears.

5. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.
6. If you are migrating or upgrading your repository, run the appropriate tool after installation as described in step 1 of "[Oracle Management Server](#)" on page 5-21.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Oracle Internet Directory

One of the following windows appears if you selected Oracle Internet Directory at step 1 on page 5-20.

1. Follow the steps below based on the window that appears:

If This Window Appears...	Then...	Therefore...	Go To...
<i>Database Identification</i>	Oracle8i database releases 8.1.6 and 8.1.7 and Oracle Internet Directory releases 2.0.6 and 2.1.1 are <i>not</i> installed on the computer	Oracle8i database release 8.1.7 and Oracle Internet Directory release 2.1.1 will be automatically installed in the same home	Step 4 of " Installing Oracle Internet Directory for the First Time " on page 5-25
<i>Upgrading an Existing OID</i>	Release 8.1.6 and Oracle Internet Directory release 2.0.6 are already installed in the same Oracle home on the computer	You are prompted to automatically upgrade to Oracle8i database release 8.1.7 and Oracle Internet Directory release 2.1.1. You can also choose to exit the upgrade.	Step 1 of " Upgrading Oracle Internet Directory " on page 5-27
<i>Using an existing instance</i>	Release 8.1.7 is already installed on the computer, but Oracle Internet Directory 2.1.1 is not installed in the same home on the computer	You are prompted for the SID to use, and another Oracle8i database is <i>not</i> installed. Oracle Internet Directory 2.1.1 is installed.	Step 1 of " Installing Oracle Internet Directory for the First Time " on page 5-24

Installing Oracle Internet Directory for the First Time

1. Select Yes to use the installed database with Oracle Internet Directory, and choose Next. Otherwise, select No, choose Next to use a different database with Oracle Internet Directory, and go to step 4.

The *Database Identification* window appears.

2. Enter the SID of the installed database and choose Next.
3. Go to Step 5.

4. Enter the Global Database Name and SID in the fields provided:

In This Field...	Enter The...
Global Database Name	Full database name that uniquely distinguishes it from any other database in your network domain. For example: sales.us.acme.com where <i>sales</i> is the name you want to call your database and <i>us.acme.com</i> is the network domain in which the database is located.
SID	Database instance name that uniquely distinguishes it from any other database on your computer. The SID automatically defaults to the database name portion of the global database name (<i>sales</i> in the example above) until you reach eight characters or enter a period. You can accept or change the default value.

This information is used when Oracle Database Configuration Assistant creates your database after installation.

The *OID Database File Location* window appears.

5. Enter a directory location in which to install the Oracle Internet Directory database files. Oracle Corporation recommends installing database files and Oracle software on separate hard disks. These database files correspond to Oracle Internet Directory-specific tables and schema created during configuration.
6. Choose Next.
- The *Summary* window appears.
7. Review the space requirements to ensure that you have enough disk space and choose Install.

The following information is automatically set during installation:

The...	Is Automatically Set to...
Use of an Encrypted Password	Yes
Encryption schema	MD4
Approximate number of directory entries to be stored in Oracle Internet Directory	Under 10,000 entries
Password of the Administrator Distinguished Name	welcome

The *Configuration Tools* window appears at the end of installation and automatically starts the following assistants to create and configure your network and Oracle Internet Directory environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Prompts you to configure your Net8 server networking software. Select Perform typical configuration and accept all default settings by choosing the Next button. See Also: " Server Network Configuration " on page 4-9 for a description of the configuration procedures performed.
OiD Configuration Assistant	In all cases	Creates Oracle Internet Directory tablespaces and schema in the Oracle8i database and starts the Oracle Internet Directory directory server. Note: If a database needs to be installed, Oracle Database Configuration Assistant is automatically started within OiD Configuration Assistant to create a database with the UTF8 character set.

The *End of Installation* window appears.

8. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Upgrading Oracle Internet Directory

1. Make an appropriate selection and choose Next.

Select...	To...
Yes	Automatically upgrade the existing Oracle8i database to release 8.1.7 and the Oracle Internet Directory software, LDAP schema, and Oracle Internet Directory database schema to release 2.1.1. Choose Next and go to step 2.
No	Not upgrade your release 8.1.6 Oracle8i database. Instead, a new Oracle8i database release 8.1.7 is installed and configured for use with Oracle Internet Directory release 2.1.1. The release 8.1.6 Oracle8i database remains unchanged and only Oracle Internet Directory 2.0.6 is upgraded to 2.1.1.

The *Backup OID data* window appears.

2. Ensure that you have backed up Oracle Internet Directory prior to upgrading and choose Next.

The *Oracle SID* window appears.

3. Enter the system identifier (SID) of the Oracle8i database to be upgraded.

Note: Ensure that you enter a SID for an Oracle8i database that is configured for use with Oracle Internet Directory.

The *ODS User Password* window appears.

4. Enter the password for the Oracle Directory Server user (ODS by default).

The *Current OID Administrator Password* window appears.

5. Enter the password for the Oracle Internet Directory administrator (WELCOME by default) and choose Next.

The *Upgrading or Migrating an Existing Database* window appears.

6. Select the *Upgrade or Migrate an Existing Database* check box and the SID of the database you want to migrate to an 8.1.7 Oracle8i database.

The *Summary* window appears.

7. Review the space requirements to ensure that you have enough disk space and choose Install.
8. Wait until the selected components are installed.

The *Configuration Tools* window appears and automatically starts the following assistants to upgrade your Oracle8i database and Oracle Internet Directory environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Prompts you to configure your Net8 server networking software. Select Perform typical configuration and accept all default settings by choosing the Next button as each window appears. See Also: " Server Network Configuration " on page 4-9 for a description of the configuration procedures performed
Oracle Data Migration Assistant	In all cases	Upgrades Oracle8i database release 8.1.6 to release 8.1.7.
OiD Upgrade Assistant	In all cases	Upgrades Oracle Internet Directory release 2.0.6 to release 2.1.1.

The *End of Installation* window appears.

9. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Oracle Integration Server

The *Suffix Information* window appears if you selected Oracle Integration Server at step 1 of "[Oracle8i Management and Integration](#)" on page 5-20.

1. Enter the Lightweight Directory Access Protocol (LDAP) base naming context and suffix information that Oracle Message Broker uses for directory entries:

In This Field...	Enter The...
Directory Suffix	The full directory suffix. If you supply a directory suffix, make sure it includes all the information for the LDAP directory that Oracle Message Broker is using. The directory suffix is appended as part of the initial context that Oracle Message Broker uses when connecting to the LDAP directory. This field is optional.
Country Code	The country code used in the directory base naming context. The value supplied for the country code is used in the initial context, with a "c=" added. This field is optional.
Organization	The organization used in the directory base naming context. The value supplied for the organization is used in the initial context, with an "o=" added. This field is optional.
Organizational Unit Name	The organizational unit used in the directory base naming context. The value supplied for the organizational unit is used in the initial context, with an "ou=" added. This field is optional.

2. Click Next.

Note: The values that you enter depend on the LDAP directory organization. The LDAP directory organization is determined when it is installed.

The *LDAP Information* window appears.

3. Enter the LDAP port and LDAP server that you want to select for the directory server. The LDAP server does not have to be running, or reside on the system where you are installing Oracle Message Broker.
4. Click Next.

5. Go to the appropriate step based on whether an Oracle database is detected on your computer:

If...	Then...	Go To...
A pre-8.1.7 Oracle database is detected on your computer	The <i>Upgrading or Migrating an Existing Database</i> window appears and prompts you to migrate or upgrade your database with Oracle Data Migration Assistant	Step 6
No Oracle database is detected on your computer	The <i>Database Identification</i> window appears and prompts you to enter the global database name and SID for your Oracle8i database	Step 7

6. Select whether or not to upgrade or migrate your database to the latest release:

If You...	Then...
Want to upgrade or migrate	<ol style="list-style-type: none"> 1. Select the <i>Upgrade or Migrate an Existing Database</i> check box and the SID of the database to upgrade or migrate to the latest Oracle8i database release. 2. Choose Next. The <i>Summary</i> window appears. 3. Go to step 9.
Do not want to upgrade or migrate	<ol style="list-style-type: none"> 1. Do not select the <i>Upgrade or Migrate an Existing Database</i> check box. 2. Choose Next. The <i>Database Identification</i> window appears. 3. Go to step 7.

7. Enter the Global Database Name and SID in the fields provided:

In This Field...	Enter The...
Global Database Name	Full database name that uniquely distinguishes it from any other database in your network domain. For example: sales.us.acme.com where <i>sales</i> is the name you want to call your database and <i>us.acme.com</i> is the network domain in which the database is located.
SID	Database instance name that uniquely distinguishes it from any other database on your computer. The SID automatically defaults to the database name portion of the global database name (<i>sales</i> in the example above) until you reach eight characters or enter a period. You can accept or change the default value.

This information is used when Oracle Database Configuration Assistant creates your database after installation.

8. Choose Next.

The *Summary* window appears.

9. Review the space requirements to ensure that you have enough disk space and choose Install.
10. Wait until the selected components are installed.

The *Configuration Tools* window appears at the end of installation and, based on your selections above, automatically starts the following assistants to create and configure your database and network environments:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Configures your Net8 server networking software. See Also: " Server Network Configuration " on page 4-9 for a description of the configuration procedures performed
Oracle Data Migration Assistant	If you selected to migrate or upgrade a detected database when prompted at step 6	Migrates or upgrades the selected database to Oracle8i release 8.1.7

This Tool...	Starts...	And...
Oracle Database Configuration Assistant	If a release 8.1.7 Oracle8i database is not already installed in the currently-specified Oracle home	Automatically creates an Oracle8i release 8.1.7 database
Oracle Workflow Install	<ul style="list-style-type: none"> ▪ If a release 8.1.7 Oracle8i database is not already installed in the specified Oracle home ▪ If you chose not to migrate a pre-8.1.7 database 	Installs and configures Oracle Workflow schema in the Oracle8i database See Also: <i>Oracle Workflow Installation Supplement</i> for instructions on performing manual upgrades or installations.

11. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: See "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Custom

The *Available Product Components* window displays all components available for installation if you selected Custom at step 1 of "[Oracle8i Management and Integration](#)" on page 5-20.

This Status...	Means the Component Is...
Installed	Already installed
New Install	Selected to be installed for the first time
Not Installed	Not currently installed or selected for installation
Reinstall	Currently installed, but you have chosen to reinstall
Upgrade	Currently installed, but will be upgraded (for example, an earlier database release)

1. Ensure that components you want to install are checked in their corresponding check box.

Note: Be careful when selecting or deselecting components for installation. If you uncheck a check box of a component, that component will not be installed.

2. Choose Next.

The *Component Locations* window appears and enables you to select alternate locations in which to install some components.

3. Choose Next to accept the default locations. Otherwise, choose a component to enable a text box for changing the default location. Then, choose Next.

4. If you selected any of the following components, provide appropriate responses when prompted. Note that most components install silently without prompting you for additional information:

If You Selected...	Then...
Oracle Management Server	Go to " Oracle Management Server " on page 5-20 for installation instructions.
Oracle Advanced Security	You are prompted to select the authentication methods for which you want Oracle support. Kerberos, SecurID, and Radius automatically appear for selection. Identix, CyberSafe, and Entrust only appear if the appropriate third-party software is installed.
Oracle Applications InterConnect	<p>A series of windows prompt you for installation and configuration information. See the <i>Oracle Applications InterConnect Installation Guide</i> on the Oracle8i Server Online Documentation CD-ROM for installation and configuration instructions.</p> <p>See Also: Appendix F, "Getting Started with Your Documentation" for the location of the <i>Oracle Applications InterConnect Installation Guide</i> on the Oracle8i Server Online Documentation CD-ROM.</p>
Oracle Integration Server	Go to " Oracle Integration Server " on page 5-29 for installation instructions. You are prompted to create a new Oracle8i database if one is not installed in the currently-specified Oracle home.
Oracle Internet Directory	<p>The procedures to follow depend upon the following:</p> <ul style="list-style-type: none"> ■ If Oracle8i database release 8.1.7 is already installed in the currently-specified Oracle home, but Oracle Internet Directory 2.1 is not, go to step 1 of "Installing Oracle Internet Directory for the First Time" on page 5-24. ■ If Oracle8i database releases 8.1.6 and 8.1.7 and Oracle Internet Directory releases 2.0.6 and 2.1 are <i>not</i> installed in the currently-specified Oracle home, the <i>Database Identification</i> window appears. Go to step 5 on page 5-35. ■ If Oracle8i database release 8.1.6 and Oracle Internet Directory release 2.0.6 are already installed in the currently-specified Oracle home, go to step 1 of "Upgrading Oracle Internet Directory" on page 5-27.
Oracle Message Broker	Go to " Oracle Integration Server " on page 5-29 for installation instructions and complete steps 1 through 3.

5. Enter the global database name and SID for the Oracle8i database and choose Next:

In This Field...	Enter The...
Global Database Name	Full database name that uniquely distinguishes it from any other database in your network domain. For example: sales.us.acme.com where <i>sales</i> is the name you want to call your database and <i>us.acme.com</i> is the network domain in which the database is located.
SID	Database instance name that uniquely distinguishes it from any other database on your computer. The SID automatically defaults to the database name portion of the global database name (<i>sales</i> in the example above) until you reach eight characters or enter a period. You can accept or change the default value.

The *OID Database File Location* window appears if a database is not currently installed.

6. Enter a directory location in which to install the Oracle Internet Directory database files. Oracle Corporation recommends installing database files and Oracle software on separate hard disks. These database files correspond to Oracle Internet Directory-specific tables and schema created during configuration.
7. Choose Next.
The *OID User Password Encryption* window appears.
8. Select whether or not to enable password encryption and choose Next.
The *User Password Hashing Algorithm* window appears.
9. Select an encryption schema to use and choose Next.
The *OID Administrator Password* window appears.
10. Enter a password.
This password enables you to make all changes in Oracle Internet Directory.
11. Enter the same password a second time and choose Next.
The *OID Size Configuration* window appears.
12. Select the approximate number of directory entries to be stored in Oracle Internet Directory and choose Next.

The *Summary* window appears.

13. Review the space requirements to ensure that you have enough disk space and choose Install.

The *Configuration Tools* window appears at the end of installation and automatically starts the following assistants to create and configure the Oracle8i database for use with Oracle Internet Directory:

This Tool...	Starts...	And...
Net8 Configuration Assistant	If Net8 Client release 8.1.7 is not already installed in the currently-specified Oracle home Note: Net8 Client release 8.1.6 or earlier installations in this Oracle home will be upgraded	Prompts you to configure your Net8 server networking software. Select Perform typical configuration and accept all default settings by choosing the Next button as each window appears. See Also: " Server Network Configuration " on page 4-9 for a description of the configuration procedures performed.
OiD Configuration Assistant	In all cases	Creates Oracle Internet Directory tablespaces and schema in the Oracle8i database and starts the Oracle Internet Directory directory server. Note: Oracle Database Configuration Assistant is automatically launched within OiD Configuration Assistant to guide you through a Custom installation of the Oracle8i database. Ensure that you select the UTF8 character set when prompted.

The *End of Installation* window appears.

14. Choose Exit to exit Oracle Universal Installer or choose Next Install to install additional components.

See Also: "[Reviewing a Log of an Installation Session](#)" on page 5-37 for a summary of your installation session

Reviewing a Log of an Installation Session

A log that describes the actions performed and the components installed for the most recent installation session is located in the file:

```
X:\PROGRAM FILES\ORACLE\INVENTORY\LOGS\INSTALLACTIONS.LOG
```

where *X* is the hard drive on which your operating system is located.

INSTALLACTIONS.LOG is the most recent log file. Log file names of previous installation sessions are also in this directory and take the form INSTALLACTIONS*DATE_TIME*.LOG (for example, INSTALLACTIONS1999-07-14_09-00-56-AM.LOG).

You can also view a list of installed components by choosing Installed Products on any window of Oracle Universal Installer. A window of installed programs appears.

Installing and Viewing the Oracle8i Server Online Documentation

The Oracle8i Server Online Documentation is included on a separate CD-ROM. Documentation is available in both hypertext markup language (HTML) and portable document format (PDF) formats. You can install and view your Oracle8i Server Online Documentation on your hard drive. This section describes the following topics:

- [Installing the Oracle8i Server Online Documentation](#)
- [Installing a Web Browser and Adobe Acrobat Reader](#)
- [Viewing Documentation With a Web Browser](#)
- [Viewing Documentation Without a Web Browser](#)

See Also: [Appendix F, "Getting Started with Your Documentation"](#) for a list of documents available on the Oracle8i Server Online Documentation CD-ROM

Installing the Oracle8i Server Online Documentation

To install the Oracle8i Server Online Documentation:

1. Insert the Oracle8i Server Online Documentation CD-ROM into your CD-ROM drive.

The *Autorun* window appears. If the *Autorun* window does not appear:

- a. Choose Start > Run.
- b. Enter the following:

```
DRIVE_LETTER:\AUTORUN\AUTORUN.EXE
```

The *Autorun* window appears.

2. Choose Install/Deinstall Products from the *Autorun* window.

The Oracle Universal Installer *Welcome* window appears.

3. Choose Next.

The *File Locations* window appears. Do *not* change the directory path in the *Source* field. This is the CD-ROM location of files for installation.

4. Enter the Oracle home name and directory path in which to install the Oracle8i Server Online Documentation in the *Destination* fields.

The home name can be up to 16 characters in length and must only include alphanumeric characters and underscores. The default directory path is *<drive with the most available space>:\ORACLE\ORA81*.

Attention: If you have an existing Oracle home created with a pre-8.1.x release, you *must* change the default installation location to a different location.

5. Choose Next.

The *Summary* window appears.

6. Review the space requirements to ensure that you have enough disk space and choose Install.
7. Wait for installation to complete.

The *End of Installation* window appears.

8. Choose Exit to exit Oracle Universal Installer.

Installing a Web Browser and Adobe Acrobat Reader

Installing a Web browser and Adobe Acrobat Reader enables you to take advantage of all documentation formats and functionality.

To install a Web browser and Adobe Acrobat Reader:

1. Ensure that you have the following Web browser and Adobe Acrobat Reader installed.

For...	Use...
A Web browser	One of the following Java-enabled browsers: <ul style="list-style-type: none"> ■ Netscape Navigator version 3.0 or later Visit http://www.netscape.com ■ Microsoft Internet Explorer version 3.0 or later Visit http://www.microsoft.com <p>Note: The Oracle Information Navigator can work only with a Java-enabled browser.</p>

For...	Use...
An Adobe Acrobat Reader	<p>Adobe Acrobat Reader version 3.0 or later. This component is available from either of two locations:</p> <p>From the component CD-ROM:</p> <ol style="list-style-type: none">1. Go to the \ACROREAD directory on the component CD-ROM.2. Double-click AR405ENG.EXE (or run this file from the MS-DOS command prompt). <p>A wizard guides you through Adobe Acrobat Reader installation.</p> <p>From the Adobe Web site:</p> <p>Visit http://www.adobe.com</p>

Viewing Documentation With a Web Browser

You can view HTML and PDF documentation from a Web browser if both a Web browser and Adobe Acrobat Reader are installed.

To view your documentation from a Web browser:

1. Follow the procedures in "[Installing a Web Browser and Adobe Acrobat Reader](#)" on page 5-39.
2. Choose Start > Programs > Oracle - *HOME_NAME* > Documentation Library.
Your Web browser is automatically started, and a welcome page listing the documentation categories described in "[Online Documentation Set](#)" on page F-4 appears.
Oracle Information Navigator also appears shortly thereafter.
3. Navigate through your Oracle8i Server Online Documentation. Nearly all documents are available for viewing in both HTML and PDF formats.
4. Choose the question mark icon to access help for instructions on using Oracle Information Navigator.

Viewing Documentation Without a Web Browser

If you do not have a Web browser installed, you can view the PDF formats of your documentation set if Adobe Acrobat Reader is installed.

To view documentation without a Web browser:

1. Open Acrobat Reader or Acrobat Exchange.
2. Choose the File > Open menu option.
3. Select the following documents based on your needs.

If You Want to View...	Then...
A table of contents of all PDF documentation	<ol style="list-style-type: none"> 1. Go to the \DOC directory. 2. Double-click INDEX.PDF. A top-level library of all categories appears. 3. Select a category to access a list of individual documents.
An individual PDF file directly without browsing the table of contents	<ol style="list-style-type: none"> 1. Go to the \DOC directory. 2. Go to an appropriate subdirectory (for example, WIN.817 contains all Oracle on Windows NT documentation). 3. Double-click the file you want to view. PDF files are named for the part number located on the title page of each guide (for example, A12345.PDF).

Each individual PDF file contains a "PDF Directory" bookmark at the top of the bookmark list. Choosing this bookmark takes you up one level to the table of contents in which your individual file is located.

Note: Changes to Microsoft's Internet Explorer release 3.02 to address security issues can prevent Oracle Information Navigator from starting and displaying properly. This does not affect your access to the Oracle8i Server Online Documentation.

Note: After several documents are opened in Adobe Acrobat Reader, you can receive an error message when trying to open an additional document, stating that the document does not exist. This error message occurs because memory is low. To solve the problem, close any open documents that you are not using, and continue.

Reviewing Your Installed Starter Database Contents

This chapter describes the contents of your installed Oracle8i starter database.

Specific topics discussed are:

- [User Names and Passwords](#)
- [Database Identification](#)
- [Tablespaces and Datafiles](#)
- [Initialization Parameter File](#)
- [Redo Log Files](#)
- [Control Files](#)
- [Rollback Segments](#)
- [Data Dictionary](#)

Note: This chapter focuses on the contents of the multipurpose starter database created through the Typical or Minimal installation types, since the custom database creation method of Oracle Database Configuration Assistant enables you to customize much of this information. Where possible, references to information applicable to the custom database creation method are provided.

User Names and Passwords

This section describes the user names and passwords included in the starter database. Change the password for user names *immediately* after installation.

To change a password:

1. Start SQL*Plus:

```
C:\> SQLPLUS
```

2. Connect with the user name and password that you want to change:

```
Enter user-name: SYSTEM/PASSWORD
```

3. Change the password:

```
SQL> ALTER USER USERNAME IDENTIFIED BY PASSWORD;
```

See Also: *Oracle Enterprise Manager Administrator's Guide* for information on using Oracle Security Manager or Oracle DBA Studio to change the password

Note: The SYS, SYSTEM, and DBSNMP user names and INTERNAL alias passwords in the following table are automatically included in *all* databases created by Oracle Database Configuration Assistant.

User Name	Password	Description	See Also
INTERNAL Note: The INTERNAL user name will not be available after release 8.1.7.	ORACLE	INTERNAL is used for performing database administration tasks, including starting up and shutting down a database. Note: INTERNAL is <i>not</i> a true user name; it is an alias for the SYS user name (see below) and SYSDBA privilege. Note: The password is required only for users who did not install the Oracle8i database. The user who installed the Oracle8i database is not prompted to enter a password when connecting as INTERNAL because the user's Windows NT user name was added to a special Windows NT local group called ORA_DBA.	<ul style="list-style-type: none"> ▪ Chapter 8, "Authenticating Database Users with Windows" of <i>Oracle8i Administrator's Guide for Windows NT</i> (for information on manually adding a user to the ORA_DBA user group) ▪ <i>Oracle8i Administrator's Guide</i>
SYSTEM	MANAGER	SYSTEM is used for performing database administration tasks. SYSTEM includes the AQ_ADMINISTRATOR_ROLE and DBA database roles.	<i>Oracle8i Administrator's Guide</i>

User Name	Password	Description	See Also
SYS	CHANGE_ON_INSTALL	<p>SYS is used for performing database administration tasks. SYS includes the following database roles:</p> <ul style="list-style-type: none"> ▪ AQ_ADMINISTRATOR_ROLE ▪ AQ_USER_ROLE ▪ CONNECT ▪ CTXAPP ▪ DBA ▪ DELETE_CATALOG_ROLE ▪ EXECUTE_CATALOG_ROLE ▪ EXP_FULL_DATABASE ▪ HS_ADMIN_ROLE ▪ IMP_FULL_DATABASE ▪ JAVA_ADMIN ▪ JAVADEBUGPRIV ▪ JAVA_DEPLOY ▪ JAVAIDPRIV ▪ JAVAUSERPRIV ▪ OEM_MONITOR ▪ RECOVERY_CATALOG_OWNER ▪ RESOURCE ▪ SELECT_CATALOG_ROLE ▪ SNMPAGENT ▪ TIMESERIES_DBA ▪ TIMESERIES_DEVELOPER 	<i>Oracle8i Administrator's Guide</i>
OUTLN	OUTLN	<p>OUTLN includes the CONNECT and RESOURCE database roles, and supports plan stability. Plan stability allows you to maintain the same execution plans for the same SQL statements. OUTLN acts as a place to centrally manage metadata associated with stored outlines.</p>	<ul style="list-style-type: none"> ▪ <i>Oracle8i Concepts</i> ▪ <i>Oracle8i Designing and Tuning for Performance</i>
DBSNMP	DBSNMP	<p>DBSNMP includes the CONNECT, RESOURCE, and SNMPAGENT database roles. Run CATNSNMP.SQL if you want to drop this role and user.</p>	<i>Oracle Intelligent Agent User's Guide</i>
SCOTT	TIGER	<p>SCOTT includes the CONNECT and RESOURCE database roles.</p>	<i>Oracle8i Administrator's Guide</i>

User Name	Password	Description	See Also
MTSSYS	MTSSYS	MTSSYS is the user name under which the Oracle Service for MTS runs.	<i>Using Microsoft Transaction Server With Oracle8</i>
CTXSYS	CTXSYS	CTXSYS is the Oracle <i>interMedia</i> Text user name with CONNECT, DBA, and RESOURCE database roles.	<i>Oracle8i interMedia Text Reference</i>
MDSYS	MDSYS	MDSYS is the Oracle Spatial and <i>interMedia</i> Audio, Video, Locator, and Image administrator user name.	<ul style="list-style-type: none"> ▪ <i>Oracle Spatial User's Guide and Reference</i> ▪ <i>Oracle8i interMedia Locator User's Guide and Reference</i>
ORDSYS	ORDSYS	ORDSYS is the Oracle <i>interMedia</i> Audio, Video, Locator, and Image user name and the Oracle Time Series and Oracle Visual Information Retrieval administrator user name with CONNECT, JAVAUSERPRIV, and RESOURCE database roles.	<ul style="list-style-type: none"> ▪ <i>Oracle8i Time Series User's Guide</i> ▪ <i>Oracle8i Visual Information Retrieval User's Guide and Reference</i> ▪ <i>Oracle8i interMedia Audio, Image, and Video User's Guide and Reference</i>
ORDPLUGINS	ORDPLUGINS	ORDPLUGINS is the Oracle <i>interMedia</i> Audio and Video user name with the CONNECT and RESOURCE database roles. ORDPLUGINS allows non-native plug-in formats for one session.	<i>Oracle8i interMedia Audio, Image, and Video User's Guide and Reference</i>
AURORA\$JISS UTILITY\$	Randomly assigned at installation	AURORA\$JISSUTILITY\$ is used internally by Enterprise Java Beans and CORBA Tools. Log on as SYS to change the password for this user name.	Not applicable
AURORA\$ ORBS UNAUTHENT ICATED	Randomly assigned at installation	AURORA\$ORBSUNAUTHENTICATED is used internally by Enterprise Java Beans and CORBA Tools. Log on as SYS to change the password for this user name.	Not applicable
OSE\$HTTP\$ ADMIN	Randomly assigned at installation	OSE\$HTTP\$ADMIN is used internally by the Oracle Servlet Engine. Log on as SYS to change the password for this user name.	Not applicable
ADAMS	WOOD	ADAMS includes the CONNECT database role.	Not applicable
JONES	STEEL	JONES includes the CONNECT database role.	Not applicable
CLARK	CLOTH	CLARK includes the CONNECT database role.	Not applicable
BLAKE	PAPER	BLAKE includes the CONNECT database role.	Not applicable

Database Identification

The Oracle8i database is identified by its global database name, which consists of the database name and network domain in which the database is located. The global database name uniquely distinguishes a database from any other database in the same network domain. You create a global database name when prompted in the Oracle Universal Installer *Database Identification* window during Oracle8i database installation. The global database name takes the form:

database_name.database_domain

For example:

`sales.us.acme.com`

Where...	Is...
sales	The name you give your database. The database name portion is a string of no more than 8 characters that can contain alpha, numeric, and additional characters. The database name is also assigned to the DB_NAME parameter in the INIT.ORA file.
us.acme.com	The network domain in which the database is located, making the global database name unique. The domain portion is a string of no more than 128 characters that can contain alpha, numeric, period (.), and additional characters. The domain name is also assigned to the DB_DOMAIN parameter in the INIT.ORA file.

The DB_NAME parameter (value *sales*) and DB_DOMAIN name parameter (value *us.acme.com*) combine to create the global database name value assigned to the SERVICE_NAMES parameter (value *sales.us.acme.com*) in the INIT.ORA file.

The system identifier (SID) identifies a specific Oracle8i instance that references the database. The SID uniquely distinguishes a database from any other database on the same computer. Multiple Oracle homes enable you to have multiple, active Oracle databases on a single computer. Each database requires a unique SID and database name.

The SID name is taken from the value you entered for the database name in the *Database Identification* window, although you had the opportunity to change it. The SID can be up to 64 alphanumeric characters in length.

For example, if the SID and database name for an Oracle database are ORCL, each database file is located in the `ORACLE_BASE\ORADATA\ORCL` directory and the initialization parameter file is located in the `ORACLE_BASE\ADMIN\ORCL\PFIL` directory. The directory ORCL is named after the DB_NAME parameter value.

Tablespaces and Datafiles

An Oracle8i database is divided into smaller logical areas of space known as tablespaces. Each tablespace corresponds to one or more physical datafiles. Datafiles contain the contents of logical database structures such as tables and indexes. A datafile can be associated with only one tablespace and database.

The tablespaces in the Oracle8i database contain the following types of datafiles located in the `ORACLE_BASE\ORADATA\DB_NAME` directory:

Note: Unless you specified different names with Oracle Database Configuration Assistant, the tablespaces and datafiles described in the following table are also automatically included in the custom database.

Tablespace	Datafile	Contains...
SYSTEM	SYSTEM01.DBF	The data dictionary, including definitions of tables, views, and stored procedures needed by the Oracle8i database. Information in this area is maintained automatically. The SYSTEM tablespace is present in all Oracle databases.
USERS	USERS01.DBF	Your application data. As you create and enter data into tables, you fill this space with your data.
TEMP	TEMP01.DBF	Temporary tables and/or indexes created during the processing of your SQL statement. You may need to expand this tablespace if you are executing a SQL statement that involves a lot of sorting, such as <code>ANALYZE COMPUTE STATISTICS</code> on a very large table, or the constructs <code>GROUP BY</code> , <code>ORDER BY</code> , or <code>DISTINCT</code> .
RBS	RBS01.DBF	Rolled back transactions that fail to complete normally. You may need to expand this tablespace if you have long-running or high-data-volume transactions.
INDX	INDX01.DBF	Indexes associated with the data in the USERS tablespace.
DRSYS	DR01.DBF	Oracle <i>interMedia</i> text-related schema objects.
TOOLS	TOOLS01.DBF	Nothing. This datafile is created for use if the user wants to install any third-party or Oracle tools/components.

Note: If you choose to create a new repository and accept the default settings when running Oracle Enterprise Manager Configuration Assistant, a tablespace named OEM_REPOSITORY and a datafile named OEM_REPOSITORY.ORA are also created.

See Also:

- Chapter "Tablespaces and Datafiles" of *Oracle8i Concepts*
- Chapters "Managing Tablespaces" and "Managing Datafiles" of the *Oracle8i Administrator's Guide*

Initialization Parameter File

The starter database contains one database initialization parameter file located in the `ORACLE_BASE\ADMIN\DB_NAME\PFIL` directory:

Initialization Parameter File	Description
INIT.ORA	The parameter file INIT.ORA must exist for an instance to start. A parameter file is a text file that contains a list of instance configuration parameters. The starter database INIT.ORA file has preconfigured parameters. No edits are required to this file in order to use the starter database.

See Also:

- Appendix B, "Oracle8i Database Specifications for Windows NT" of *Oracle8i Administrator's Guide for Windows NT* for a list of Oracle8i database-specific initialization parameters for Windows NT and their default values
- *Oracle8i Reference* for more information on initialization parameters

Redo Log Files

The starter database contains three redo log files located in the *ORACLE_BASE\ORADATA\DB_NAME* directory:

Note: The redo logs REDO01.LOG, REDO02.LOG, and REDO03.LOG are also automatically included in the Custom database.

Database Files	Disk Size	Description
REDO01.LOG	1 MB	Redo log files hold a record of all changes made to data in the database buffer cache. If an instance failure occurs, the redo log files are used to recover the modified data that was in memory. Redo log files are used in a cyclical fashion. For example, if three files constitute the online redo log, the first file is filled, then the second file, and then the third file. The first file is then re-used and filled, the second file is re-used and filled, and so on. Redo logs should be in groups and members mirrored on separate drives.
REDO02.LOG	1 MB	
REDO03.LOG	1 MB	

See Also:

- *Oracle8i Backup and Recovery Guide*
- Chapter "Managing the Online Redo Log Files" of *Oracle8i Administrator's Guide*

Control Files

The starter database contains three control files located in the `ORACLE_BASE\ORADATA\DB_NAME` directory:

Control Files	Description
CONTROL01.CTL	A control file is an administrative file required to start and run the database. The control file records the physical structure of the database. For example, a control file contains the database name, and the names and locations of the database's datafiles and redo log files.
CONTROL02.CTL	
CONTROL03.CTL	

Note: The files CONTROL01.CTL, CONTROL02.CTL, and CONTROL03.CTL are also automatically included in the Custom database.

Note: Oracle Corporation recommends that you keep at least three control files (on separate physical drives) for each database and set the CONTROL_FILES initialization parameter to list each control file. See the chapter "Managing Control Files" of *Oracle8i Administrator's Guide* for information on setting this initialization parameter value.

Rollback Segments

Rollback segments record the old values of data changed by each transaction (whether or not committed). Every database contains one or more rollback segments, which are portions of the database that record the actions of transactions in the event that a transaction is rolled back. Rollback segments are used to provide read consistency, to roll back transactions, and to recover the database.

The starter database contains the following rollback segments:

Rollback Segment	Contained in this Tablespace...	Used by
SYSTEM	SYSTEM	SYS
RB_TEMP	SYSTEM (private)	SYS
RB1 through RB16	RBS	PUBLIC (a pool of rollback segments that any instance requiring a rollback segment can use)

Data Dictionary

The data dictionary is a protected collection of tables and views containing reference information about the database, its structures, and its users. The data stored in the dictionary includes the following:

- Names of the Oracle database users
- Privileges and roles granted to each user
- Names and definitions of schema objects (including tables, views, snapshots, indexes, clusters, synonyms, sequences, procedures, functions, and packages)
- Integrity constraints
- Space allocation for database objects
- Auditing information, such as who accessed or updated various objects

See Also:

- Chapter "The Data Dictionary" of *Oracle8i Concepts*
- Chapter "Static Data Dictionary Views" of *Oracle8i Reference*

Post-installation Configuration Tasks

This chapter identifies post-installation configuration tasks. Where appropriate, this chapter references other guides for procedures on performing these configuration tasks.

Specific topics discussed are:

- [Setting NTFS File System and Windows NT Registry Permissions](#)
- [Validating Invalid PL/SQL Modules with the UTLRP.SQL Script](#)
- [Individual Component Post-installation Configuration Tasks](#)

Setting NTFS File System and Windows NT Registry Permissions

Oracle Corporation recommends that you configure Oracle8i database files, directories, and registry settings to allow only authorized database administrators (DBAs) to have full control. These topics describe how to perform these tasks:

- [NTFS File System Security](#)
- [Windows NT Registry Security](#)

See Also: Your Windows NT documentation for more information about modifying NTFS file system and Windows NT registry settings

NTFS File System Security

The Oracle8i database uses files to store database data, backup data, log information, and so on. To do this, the Oracle8i database process runs under a security account. This security account (the Windows NT LocalSystem account called SYSTEM) includes the ability to create and access these files. The security account is assigned to the service that the Oracle8i database uses (in the Control Panel). This account requires full file system permissions to create, read, write, delete, and execute files.

To ensure that only authorized users have full file system permissions:

1. Go into Windows NT Explorer.
2. Right-click Oracle8i database files (in the *ORACLE_BASE\ORADATA\DB_NAME* directory), executables and dynamic link libraries (in the *ORACLE_BASE\ORACLE_HOME\BIN* directory), and directories.
3. Select Properties from the menu that appears.
4. Adjust the file and directory permissions to ensure that:
 - *Only* the security account that the Oracle8i database is configured to use has full control permissions to these files
 - User accounts that must run Oracle applications (for example, SQL*Plus, Server Manager, and Pro*C) have read privileges on their executables (for example, SQLPLUS.EXE for SQL*Plus)

Note: The Oracle8i database uses the Windows NT LocalSystem built-in security account. Therefore, file permissions must be granted to the SYSTEM account of the local computer running the Oracle8i database.

Windows NT Registry Security

Oracle Corporation recommends that you remove write permissions from users who are *not* Oracle8i DBAs or system administrators in HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE of the Windows NT registry.

To remove write permissions:

1. Open the registry.
2. Go to HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE.
3. Select Permissions from the Security main menu.
The *Registry Key Permissions* dialog box appears.
4. Remove write permissions from any users who are not Oracle8i DBAs or system administrators. Note that the SYSTEM account must have Full Control, since this is the account with which the Oracle8i database runs.
5. Ensure that user accounts that must run Oracle applications have read privileges.
6. Choose OK.
7. Exit the registry.

Validating Invalid PL/SQL Modules with the UTLRP.SQL Script

When the Oracle8i database is created through the Typical or Minimal installation type, the UTLRP.SQL script is automatically run. However, when an Oracle8i database is created through the Custom installation type, this script is not automatically run. Oracle Corporation recommends running the UTLRP.SQL script after creating, upgrading, or migrating a database. This script recompiles all PL/SQL modules that may be in an INVALID state, including packages, procedures, types, and so on. This step is optional, but recommended so that the cost of recompilation is incurred during the installation rather than in the future.

Note: There should be no other data definition language (DDL) statements running on the database while it is running, and packages STANDARD and DBMS_STANDARD must already be valid.

1. Start SQL*Plus:

```
C:\> SQLPLUS
```

2. Connect to the database with the SYS account:

```
SQL> CONNECT SYS/PASSWORD AS SYSDBA
```

where *PASSWORD* is CHANGE_ON_INSTALL by default, unless you changed it after installation.

3. Start the database (if necessary):

```
SQL> STARTUP
```

4. Run the UTLRP.SQL script:

```
SQL> @ORACLE_BASE\ORACLE_HOME\RDBMS\ADMIN\UTLRP.SQL
```

Individual Component Post-installation Configuration Tasks

Some individual components require post-installation configuration tasks. Review the following table for configuration requirements and see the sections or documents referenced for specific configuration procedures:

Component	Description	See Also...
Advanced Replication support	Configuration is dependent on how support was installed. If you installed the Oracle8i database through the Typical or Minimal installation types, or selected Advanced Replication when prompted by Oracle Database Configuration Assistant, Advanced Replication was automatically configured for you. In all other cases, Advanced replication support must be manually configured.	<ul style="list-style-type: none"> ■ Chapter 5, "Post-Installation Configuration Tasks" of <i>Oracle8i Administrator's Guide for Windows NT</i> ■ Chapter 4, "Selecting Database Creation and Net8 Configuration Methods" of this guide
Multithreaded server support	Configuration is dependent on how support was installed. If you installed the Oracle8i database through the Typical or Minimal installation types, multithreaded support was <i>not</i> configured. If you created your Oracle8i database through Oracle Database Configuration Assistant, you were offered a choice of multithreaded or dedicated server support.	<ul style="list-style-type: none"> ■ Chapter 5, "Post-Installation Configuration Tasks" of <i>Oracle8i Administrator's Guide for Windows NT</i> ■ Chapter 4, "Selecting Database Creation and Net8 Configuration Methods" of this guide
Net8 network software	<p>Net8 Configuration Assistant is a tool that assists you in configuring your Oracle network.</p> <p>If you installed Net8 Server and Net8 Client, Net8 Configuration Assistant automatically started at the end of installation to guide you through network configuration of client computers and Oracle8i database servers.</p> <p>You can also configure your Oracle network after installation with the Net8 Configuration Assistant and Net8 Assistant tools.</p>	<ul style="list-style-type: none"> ■ <i>Net8 Administrator's Guide</i> and the online help available with both tools ■ "Selecting a Net8 Configuration Method" on page 4-8 for a discussion of available configuration choices
Oracle Administration Assistant for Windows NT	This tool requires the Microsoft Management Console (the latest version available is recommended) and HTML Help 1.2 to run. Microsoft Management Console is included with Windows 2000, but must be manually installed if you are using Windows NT 4.0.	<p>Microsoft documentation or visit:</p> <p>http://www.microsoft.com</p>
Oracle Advanced Security	Authentication, encryption, integrity support, and enterprise user security require configuration.	<i>Oracle Advanced Security Administrator's Guide</i>

Component	Description	See Also...
Oracle Enterprise Manager	<p>Oracle Enterprise Manager Console</p> <p>After Oracle Enterprise Manager Console installation, you must perform additional setup tasks (for example, discover services, create administrator accounts, and specify preferred credentials) to manage and monitor services with Oracle Enterprise Manager.</p> <p>Oracle Management Server/Repository</p> <p>There are several situations where post-installation configuration is required for the Oracle Management Server and repository:</p> <p>Case 1: If you installed Oracle Management Server through the Typical installation type, it must be configured to use a repository and its service must be created. Manually start Oracle Enterprise Manager Configuration Assistant after installation. This assistant creates a new release 2.2 repository, edits configuration parameters, removes a release 2.2 repository, or upgrades a release 2.0 or 2.1 repository to the current release.</p> <p>Case 2: If you installed a release 2.2 Oracle Management Server and created a new release 2.2 repository, and now need to migrate an existing release 1.x repository to the newly-created repository, manually start the Oracle Enterprise Manager Migration Assistant after installation is complete.</p> <p>Case 3: If you installed a release 2.2 Oracle Management Server and chose to use an existing release 2.0 or 2.1 repository, manually start the Oracle Enterprise Manager Configuration Assistant after installation to upgrade the repository to the current release.</p>	<i>Oracle Enterprise Manager Configuration Guide</i>
Oracle HTTP Server	You can start, stop, and verify the status of Oracle HTTP Server; view the default initial static page; and check log files.	<i>Oracle8i Release Notes for Windows NT</i>
<ul style="list-style-type: none"> ■ Oracle <i>interMedia</i> ■ Oracle Spatial ■ Oracle Time Series ■ Oracle Visual Information Retrieval 	<p>These components are automatically configured when installed during the same installation as the Oracle8i database.</p> <p>If you installed these components during a separate installation from the Oracle8i database or if you manually copied Oracle7 LISTENER.ORA and TNSNAMES.ORA files into your Oracle8i network directory, manual configuration tasks need to be performed.</p>	Chapter 5, "Post-Installation Configuration Tasks" of <i>Oracle8i Administrator's Guide for Windows NT</i> for procedures

Component	Description	See Also...
Oracle Internet Directory	You must download a UNIX emulation utility for Windows NT to run Oracle Internet Directory's shell script tools on Windows NT (BULKLOAD.SH, BULKDELETE.SH, BULKMODIFY.SH, CATALOG.SH, and LDAPREPL.SH). Two certified third-party software vendors provide this utility: <ul style="list-style-type: none"> ■ Cygnus (open source) http://sourceware.cygnus.com/cygwin/ ■ MKS Toolkit (commercially available) http://www.datafocus.com/products/ 	<i>Oracle Internet Directory Administrator's Guide</i>
<ul style="list-style-type: none"> ■ Password Encryption 	If you are upgrading from Oracle Internet Directory release 2.0.6, you must upgrade the password to support multiple hash schemes.	Chapter 3 of <i>Oracle Internet Directory Administrator's Guide</i>
Oracle Message Broker	Post-installation tasks must be performed before using Oracle Message Broker.	Chapter 3 of <i>Oracle Message Broker Installation Guide</i>
Oracle Parallel Server	Post-installation configuration procedures must be performed to enable high availability and Oracle Enterprise Manager functionality.	Chapter 6 of the <i>Oracle8i Parallel Server Setup and Configuration Guide</i>
Oracle Services for Microsoft Transaction Server	You must manually create and configure a special Windows NT service. In addition, you must install Microsoft Transaction Server, if it is not already installed.	<ul style="list-style-type: none"> ■ <i>Using Microsoft Transaction Server With Oracle8</i> ■ Your Microsoft documentation
Oracle Windows NT services	The two main Oracle services are automatically started after installation: <ul style="list-style-type: none"> ■ OracleServiceSID (the Oracle8i database service) ■ OracleHOME_NAMETNSListener (the Oracle8i database listener service) <p>If you installed Oracle Enterprise Manager components, additional services automatically start:</p> <ul style="list-style-type: none"> ■ OracleHOME_NAMEAgent ■ OracleHOME_NAMEDataGather ■ OracleHOME_NAMEManagementServer ■ OracleHOME_NAMEHTTPServer <p>However, other services for networking or other individual components may not automatically start.</p>	Chapter 7, "Administering the Database" of the <i>Oracle8i Administrator's Guide for Windows NT</i> for instructions on starting Oracle services in the Windows NT Control Panel.

Component	Description	See Also...
Oracle Workflow	<p>You must perform a number of configuration procedures, including:</p> <ul style="list-style-type: none"> ■ Editing the INIT.ORA parameter file ■ Installing and configuring a Web server ■ Verifying your base URL ■ Setting up the Oracle Workflow Monitor and HTML help 	<ul style="list-style-type: none"> ■ <i>Oracle Workflow Installation Supplement</i> ■ <i>Oracle Workflow Guide</i>
PL/SQL External Routines	<p>Configuration is dependent on the network configuration files used. In nearly all cases, configuration is automatic. However, if you are using pre-8.0.3 TNSNAMES.ORA and LISTENER.ORA files with your 8.1.7 database, manual configuration is required.</p>	<p>Chapter 12, "Developing Applications" of <i>Oracle8i Administrator's Guide for Windows NT</i></p>
Pro*COBOL	<p>Pro*COBOL supports specific compilers.</p>	<p>Chapter 1, "Introducing Pro*COBOL" of <i>Pro*COBOL Precompiler Getting Started for Windows</i></p>
SQL*Plus help file	<p>If you want to use online help with SQL*Plus, you must populate the SQL*Plus tables with help files.</p>	<p>Chapter 2, "Installing SQL*Plus Help and Demonstration Tables" of <i>SQL*Plus Getting Started for Windows</i></p>

Deinstalling Oracle Components and Services

This chapter describes how to deinstall Oracle components and services.

Specific topics discussed are:

- [Deinstalling Oracle Components with Oracle Universal Installer](#)
- [Manually Removing All Oracle Components and Services from Your Computer](#)

Deinstalling Oracle Components with Oracle Universal Installer

This section describes how to use Oracle Universal Installer to deinstall Oracle components (which deinstalls them from the Oracle Universal Installer inventory) instead of removing them manually. If you delete an Oracle home manually (for example, by deleting the directory structure with Windows NT Explorer), the components in that Oracle home remain registered in the Oracle Universal Installer inventory. If you then attempt an installation in the same Oracle home, some or all of the components selected may not be installed because Oracle Universal Installer determines they are already installed.

Note: Manual removal of components is permitted only if you exit Oracle Universal Installer during an installation. For example:

- Choosing Cancel
- Turning off the computer
- If the installation does not complete (that is, all required configuration tools do not run at the end)

In these cases, Oracle Universal Installer does not register the installation in its inventory. However, files may have been copied to your Oracle home. Remove these files manually and restart the installation.

Task 1: Deinstall Net8, Oracle Internet Directory, and Oracle8i Database Registry Entries

Oracle Universal Installer creates Windows NT services for Oracle components during installation. However, Oracle Universal Installer does *not* delete services created by Net8 Configuration Assistant, OiD Configuration Assistant, and Oracle Database Configuration Assistant. If you want to deinstall any of the following components, you must first stop all Oracle Windows NT services and remove the registry entries for their services:

For...	Remove the Registry Entries...
Net8 listener	By manually editing the registry
Oracle Internet Directory	With the OIDMON utility
Oracle8i database (and its datafiles)	With the Delete a database option of Oracle Database Configuration Assistant

Procedures for performing these tasks are provided in the following sections. After completing these procedures, go to "[Task 2: Deinstall Components with Oracle Universal Installer](#)" on page 8-5 to complete deinstallation. If you do *not* want to deinstall the Net8 listener, Oracle Internet Directory, or Oracle8i database, go instead to step "[Task 2: Deinstall Components with Oracle Universal Installer](#)" on page 8-5.

Stopping Oracle Windows NT Services

You must first stop the Oracle Windows NT services before removing any registry entries.

To stop Windows NT services:

1. Choose Start > Settings > Control Panel > Services.
2. If any Oracle services (names begin with Oracle) exist and have the status *Started*, select the service, and choose Stop.
3. Choose Close to exit the *Services* window.
4. Exit the Control Panel.
5. See the following sections based on what you want to deinstall:

To Deinstall...	See This Section...
Net8	"Deinstalling Net8 Services" on page 8-3
Oracle Internet Directory	"Deinstalling Oracle Internet Directory Services" on page 8-4
Oracle8i Database	"Deinstalling the Oracle8i Database and Registry Entries" on page 8-4

Deinstalling Net8 Services

1. Start the registry at the MS-DOS command prompt:


```
C:\> REGEDT32
```
2. Go to HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services and delete the OracleHOME_NAMETNSListener registry entry. All other Net8 services will be automatically deleted through Oracle Universal Installer.
3. Exit the registry.

Deinstalling Oracle Internet Directory Services

1. Stop the Oracle Internet Directory Server at the MS-DOS command prompt:

```
C:\> OIDCTL CONNECT=NET_SERVICE_NAME SERVER=OIDLDAPD INSTANCE=SERVER_INSTANCE_NUMBER STOP
```

where *NET_SERVICE_NAME* is the network connection to the Oracle Internet Directory Server and *SERVER_INSTANCE_NUMBER* is the instance number (this number appears in the Server List tab of Oracle Directory Manager).

2. Stop the Oracle Internet Directory Monitor at the MS-DOS command prompt:

```
C:\> OIEMON STOP
```

3. Remove the Oracle Internet Directory service OracleDirectoryService from the registry:

```
C:\> OIEMON REMOVE
```

4. Follow the procedures in "[Deinstalling the Oracle8i Database and Registry Entries](#)" on page 8-4 to remove the Oracle8i database configured with Oracle Internet Directory.

Deinstalling the Oracle8i Database and Registry Entries

1. Choose Start > Programs > Oracle - *HOME_NAME* > Database Administration > Database Configuration Assistant.

Oracle Database Configuration Assistant starts.

2. Select Delete a database and choose Next.
3. Follow the remaining windows to deinstall the Oracle8i database.

The Oracle8i database is deinstalled and OracleService*SID* is deinstalled from HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services in the registry.

Task 2: Deinstall Components with Oracle Universal Installer

To deinstall components with Oracle Universal Installer:

1. If you want to deinstall the Net8 listener, Oracle Internet Directory, or Oracle8i database, ensure that you first follow the instructions in "[Task 1: Deinstall Net8, Oracle Internet Directory, and Oracle8i Database Registry Entries](#)" on page 8-2.
2. Choose Start > Programs > Oracle Installation Products > Universal Installer.
The *Welcome* window for Oracle Universal Installer appears.
3. Choose Deinstall Products.
The *Inventory* window appears.
4. Expand the tree of installed components until you find the components to deinstall.
5. Check the boxes of components to deinstall.
6. Choose Remove.
The *Inventory Confirmation* window appears.
7. Choose Yes to deinstall the selected components.

Note: A message may appear indicating that removing some components may cause other components to not function properly.

The components are deinstalled from your computer. The *Inventory* window appears without the deinstalled components.

8. Choose Close to close the *Inventory* window.
9. Choose Exit to exit Oracle Universal Installer.

Manually Removing All Oracle Components and Services from Your Computer

In rare situations, you may want to correct serious system problems by completely removing Oracle components from the computer.

Remove all Oracle components from your computer only as a last resort, and only if you want to remove all Oracle components from your system.

Note: You can also use the ORADIM utility to manually deinstall a database and registry entries. See the following documentation for information:

- READMEDOC.HTM or READMEDOC.PDF located in the \DOC directory of the component CD-ROM
 - Chapter 6, "Post-Installation Database Creation" of *Oracle8i Administrator's Guide for Windows NT*
-
-

Removing Components on Windows NT

To remove all Oracle components from a computer on Windows NT:

Caution: These instructions remove *all* Oracle components, services, and registry entries from your computer. In addition, any database files under *ORACLE_BASE\ORADATA\DB_NAME* are also removed. Exercise extreme care when removing registry entries. Removing incorrect entries can break your system.

1. Ensure you are logged in as a user with Administrator privileges.
2. Stop all Oracle services (if any are running):
 - a. Choose Start > Settings > Control Panel > Services.
 - b. If any Oracle services (their names begin with Oracle) exist and have the status *Started*, select the service and choose Stop.
 - c. Choose Close to exit the *Services* window.
3. Start the registry at the MS-DOS command prompt:

```
C:\> REGEDT32
```
4. Go to HKEY_CLASSES_ROOT.

5. Delete any key that starts with Oracle or ORCL.
6. Go to HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE.
7. Delete the ORACLE key.
8. Delete the Oracle ODBC Driver key under HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI.
9. Go to HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services and remove all keys under here that begin with ORACLE.
10. Go to HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\EventLog\Application, and remove all keys under here that begin with ORACLE.
11. Go to HKEY_CURRENT_USER\SOFTWARE\ORACLE.
12. Delete keys that start with Oracle or ORCL (if any exist).
13. Go to HKEY_CURRENT_USER\SOFTWARE\ODBC\ODBCINST.INI.
14. Delete any Oracle keys (if any exist).
15. Close the registry.
16. Go to Start > Settings > Control Panel > System > Environment tab.
17. Choose the system variable path and modify the Path variable.
18. Remove any Oracle entries from the path. For example, if JRE was installed by Oracle, remove the %ORACLE_HOME%\BIN path and the JRE path. You may see a path similar to this one:

```
C:\ORACLE\ORA81\BIN;G:\PROGRAM FILES\ORACLE\JRE\1.1.7\BIN
```
19. Exit the Control Panel.
20. Go to *SYSTEM_DRIVE*:\WINNT\PROFILES\ALL USERS\START MENU\PROGRAMS.
21. Delete the following icons:
 - Oracle - *HOME_NAME*
 - Oracle Installation Productswhere *HOME_NAME* is the previous Oracle home name.
22. Delete *SYSTEM_DRIVE*:\Program Files\Oracle through Windows NT Explorer.
23. Delete all *ORACLE_BASE* directories on your hard drive.
24. Reboot your computer.

Removing Components on Windows 95 or Windows 98

To remove all Oracle components from a computer on Windows 95 or 98:

1. Start the registry at the MS-DOS command prompt:

```
C:\> REGEDIT
```
2. Go to HKEY_CLASSES_ROOT.
3. Delete any key that starts with Oracle or ORCL.
4. Go to HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE.
5. Delete the ORACLE key.
6. Delete the Oracle ODBC Driver key under HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI.
7. Go to HKEY_CURRENT_USER\SOFTWARE\ORACLE.
8. Delete keys that start with Oracle or ORCL (if any exist).
9. Go to HKEY_CURRENT_USER\SOFTWARE\ODBC\ODBCINST.INI.
10. Delete any Oracle keys.
11. Edit your AUTOEXEC.BAT file and remove your %ORACLE_HOME%\BIN and JRE paths from the path setting.
12. Delete *SYSTEM_DRIVE*:\Program Files\Oracle through Windows Explorer.
13. Delete icons from:
 - *SYSTEM_DRIVE*:\WINDOWS\START MENU\PROGRAMS\ORACLE - *HOME_NAME*
 - *SYSTEM_DRIVE*:\WINDOWS\START MENU\PROGRAMS\ORACLE INSTALLATION PRODUCTSwhere *HOME_NAME* is the previous Oracle home name.
14. Delete all *ORACLE_BASE* directories on your hard drive.
15. Reboot your computer.

Individual Components Available for Installation

This appendix lists the individual components available with each installation type.

Specific topics discussed are:

- [Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Components](#)
- [Oracle8i Client Components](#)
- [Oracle8i Management and Integration Components](#)
- [Components Not Available with 8.1.7](#)

Note: The Custom installation type is not listed for any of the above three top-level components since it allows you to install all components in the current category. Some components can *only* be installed through a Custom installation. Such components have an availability of "No" listed for other installation types in the tables in this appendix.

Note: This appendix identifies higher-level components available with each installation type. To access a list of *all* components and features installed (including lower-level components such as Required Support Files or Common Files), see ["Reviewing a Log of an Installation Session"](#) on page 5-37.

Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Components

This table alphabetically lists the components available with each installation type of the Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition top-level component.

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
Advanced Queueing	Yes	Yes
Advanced Replication	Yes	Yes
Generic Connectivity	Yes	Yes
Net8 Client, includes:	Yes	Yes
<ul style="list-style-type: none"> ■ Net8 Assistant ■ Net8 Configuration Assistant ■ Oracle Protocol Support 	Yes	Yes
<p>Note: When Net8 Client is installed through the Typical or Minimal installation type, Oracle Protocol Support is automatically installed for the networking protocols detected. If Oracle Protocol Support is selected through the Custom installation type, you are prompted to select the additional networking protocols for which you want support (SPX and LU6.2). Named Pipes and TCP/IP protocol support is automatically installed and cannot be de-installed.</p>		
Net8 Server	Yes	Yes
Object Type Translator, includes:	Yes	Yes
<ul style="list-style-type: none"> ■ Oracle INTYPE File Assistant 	Yes	Yes
Oracle Administration Assistant for Windows NT	Yes	Yes
Oracle Advanced Security, includes: ¹	Yes	No
1. Encryption and Integrity Support, includes:	Yes	No
<ul style="list-style-type: none"> ■ DES40 Encryption ■ DES56 Encryption ■ 3DES_112 Encryption (2-key option) ■ 3DES_168 Integrity (3-key option) ■ RC4_40 Encryption 	Yes	No

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
▪ RC4_56 Encryption	Yes	No
▪ RC4_128 Encryption	Yes	No
▪ RC4_256 Integrity	Yes	No
▪ SHA-1 Integrity	Yes	No
▪ MD5 Integrity	Yes	No
2. Thin JDBC Java-based Encryption Support, includes:	Yes	No
▪ DES40 Encryption	Yes	No
▪ DES56 Encryption	Yes	No
▪ RC4_40 Encryption	Yes	No
▪ RC4_56 Encryption	Yes	No
▪ RC4_128 Encryption	Yes	No
▪ RC4_256 Integrity	Yes	No
▪ SHA-1 Integrity	Yes	No
▪ MD5 Integrity	Yes	No
3. Authentication Support, includes:	Yes	No
▪ CyberSafe (with SSO support)	No	No
▪ DCE (with SSO support)	No	No
▪ Entrust	No	No
▪ Identix (for Biometrics)	Yes	No
▪ Kerberos (with SSO support)	Yes	No
▪ RADIUS (for Smart Cards, Token Cards, and Biometrics)	Yes	No
▪ SecurID (for Token Cards)	Yes	No
▪ Secure Socket Layer (with X.509 version 3 and SSO support)	Yes	Yes
<p>Note: Kerberos, SecurID, and Radius are installable through the Custom installation <i>Authentication Methods</i> window. Identix, CyberSafe, and Entrust only appear for installation in this window if the appropriate third-party software is installed. DCE is only installable through the Custom installation <i>Available Product Components</i> window.</p>		

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
4. Enterprise User Security, includes:	Yes	Yes
■ Oracle Enterprise Login Assistant	Yes	Yes
■ Oracle Enterprise Security Manager (started through Oracle Enterprise Manager Integrated Applications)	Yes	No
■ Oracle Wallet Manager	Yes	Yes
Note: Oracle Enterprise Login Assistant, Oracle Enterprise Security Manager, and Oracle Wallet Manager are features of Oracle Advanced Security and can only be used if you have purchased an Oracle Advanced Security license.		
Oracle Call Interface	Yes	Yes
Oracle COM Automation Feature	Yes	No
Oracle Connection Manager	No	No
Oracle Data Migration Assistant	Yes	Yes
Oracle Database Configuration Assistant	Yes	Yes
Oracle Enterprise Java Beans and CORBA Tools	Yes	Yes
Oracle Enterprise Manager, includes these main components:	Yes	Yes
1. Oracle Agent Extensions, includes:	Yes	Yes
■ Microsoft SQL*Server Extensions	Yes	Yes
■ Oracle Applications Extensions	Yes	Yes
■ Oracle HTTP Server Extensions	Yes	Yes
■ Oracle eBusiness Management Extensions	Yes	Yes
■ Oracle Forms Extensions	Yes	Yes
2. Oracle Enterprise Manager Client, includes:	Yes	Yes
■ Oracle Enterprise Manager Console	Yes	Yes
■ Oracle Enterprise Manager Events	Yes	Yes
■ Oracle DBA Management Pack, includes:	Yes	Yes
Oracle DBA Studio ²	Yes	Yes
Oracle Instance Manager	No	No
Oracle Schema Manager	No	No
Oracle Security Manager	No	No

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
Oracle Storage Manager	No	No
SQL*Plus Worksheet	Yes	Yes
■ Oracle Enterprise Manager Integrated Applications, includes:	Yes	No
Oracle Parallel Server Manager	Yes	No
Oracle <i>interMedia</i> Text Manager	Yes	No
Oracle Forms Server Manager	Yes	No
Oracle Enterprise Security Manager	Yes	No
Note: Licensed through Oracle Advanced Security.		
Oracle Spatial Index Advisor	Yes	No
Oracle Directory Manager	Yes	No
3. Oracle Enterprise Manager Paging Server	Yes	No
4. Oracle Enterprise Manager Quick Tours	Yes	No
5. Oracle Enterprise Manager Web Site	No	No
Note: Oracle Enterprise Manager Web Site uses a preconfigured Oracle HTTP Server as a Web listener.		
6. Oracle Intelligent Agent, includes: ³	Yes	Yes
■ Data Collection Services	Yes	Yes
7. Oracle Management Server, includes:	Yes	No
■ Oracle Enterprise Manager Configuration Assistant	Yes	No
■ Oracle Enterprise Manager Migration Assistant	Yes	No
Oracle HTTP Server (powered by Apache), includes:	Yes	Yes
■ Apache Configuration for Oracle Java Server Pages	Yes	Yes
■ Apache Configuration for Oracle XML Developer's Kit	Yes	Yes
■ Apache JServ, includes:	Yes	Yes
Sun JDK	Yes	Yes
■ Apache Module for Oracle Servlet Engine	Yes	Yes
■ Apache Web Server Files	Yes	Yes

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
■ Business Components for Java (BC4J) Runtime	Yes	Yes
■ Oracle Mod PL/SQL Gateway	Yes	Yes
■ Oracle Perl Interpreter	Yes	Yes
Oracle <i>interMedia</i> , includes:	Yes	No
■ Oracle <i>interMedia</i> Audio	Yes	No
■ Oracle <i>interMedia</i> Client Option	Yes	No
■ Oracle <i>interMedia</i> Image	Yes	No
■ Oracle <i>interMedia</i> Locator	Yes	No
■ Oracle <i>interMedia</i> Text	Yes	No
■ Oracle <i>interMedia</i> Video	Yes	No
Oracle Internet Directory Client	Yes	Yes
Oracle JDBC Drivers, includes:	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.1	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.2	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.1	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.2	Yes	Yes
Oracle JServer, includes:	Yes	Yes
■ Java Virtual Machine	Yes	Yes
■ JServer Accelerator	Yes	Yes
■ Oracle Servlet Engine	Yes	Yes
Oracle Migration Workbench	No	No
Oracle Names	No	No
Oracle Objects for OLE	Yes	Yes
Oracle ODBC Driver	Yes	Yes
Oracle Parallel Server, includes: ⁴	Yes	No
■ Oracle Parallel Server Management	Yes	No
Note: Oracle Parallel Server is only installed if a cluster is detected.		

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
Oracle Partitioning ¹	Yes	Yes
Oracle Performance Monitor for Windows NT	No	No
Oracle Provider for OLE DB	Yes	Yes
Oracle Remote Configuration Agent	Yes	Yes
Oracle Services for Microsoft Transaction Server	No	No
Oracle SNMP Agent	No	No
Oracle Spatial ¹	Yes	No
Oracle SQLJ, includes:	Yes	Yes
▪ SQLJ Runtime	Yes	Yes
▪ SQLJ Translator	Yes	Yes
Oracle Trace	Yes	Yes
Oracle Time Series ¹	Yes	No
Oracle Universal Installer, includes:	Yes	Yes
▪ Oracle's version of Java Runtime Environment	Yes	Yes
▪ Oracle Home Selector	Yes	Yes
Oracle Utilities, includes:	Yes	Yes
▪ Database Verify Utility	Yes	Yes
▪ Export	Yes	Yes
▪ Import	Yes	Yes
▪ Migration Utility	Yes	Yes
▪ Recovery Manager	Yes	Yes
▪ SQL*Loader	Yes	Yes
▪ Server Manager	Yes	Yes
Note: Server Manager will no longer be available after release 8.1.7.		
Oracle Visual Information Retrieval ¹	Yes	No
Oracle Visual Information Retrieval Client ¹	Yes	No

Component	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	
	Typical	Minimal
Oracle XML Developer's Kit	Yes	Yes
Oracle XML SQL Utility	Yes	Yes
Oracle8i Server ⁵ (the Oracle8i database), includes:	Yes	Yes
■ Oracle Database Demos	Yes	Yes
■ PL/SQL	Yes	Yes
■ PL/SQL Embedded Gateway	Yes	Yes
Oracle8i Windows Documentation (installation guide and release notes)	Yes	Yes
Replication API	Yes	Yes
SQL*Plus	Yes	Yes

¹ Oracle Advanced Security, Oracle Partitioning, Oracle Spatial, Oracle Time Series, Oracle Visual Information Retrieval, and Oracle Visual Information Retrieval Client are available with Oracle8i Enterprise Edition and Oracle8i Personal Edition, but are not available with Oracle8i.

² Includes functionality for Oracle Replication Manager.

³ Oracle Intelligent Agent is only available on Windows NT and 2000 for Oracle8i Personal Edition. Oracle Intelligent Agent is not supported and its functionality is not available on Windows 95 or 98 databases of Oracle8i Personal Edition. In addition, the Oracle Agent Extensions are now installed separately from Oracle Intelligent Agent.

⁴ Oracle Parallel Server is available with Oracle8i Enterprise Edition, but is not available with Oracle8i Personal Edition or Oracle8i.

⁵ The type of Oracle8i Server depends upon the database type you purchased: Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition.

See Also: "[Component Descriptions](#)" on page B-2 for descriptions and release numbers of these components

Oracle8i Client Components

This table alphabetically lists the components available with each installation type of the Oracle8i Client top-level component.

Component	Oracle8i Client		
	Administrator	Programmer	Application User
Advanced Queueing API	Yes	Yes	Yes
Net8 Client, includes:	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ Net8 Assistant 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ Net8 Configuration Assistant 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ Oracle Protocol Support <p>Note: When Net8 Client is installed through the Typical or Minimal installation type, Oracle Protocol Support is automatically installed for the networking protocols detected. If Oracle Protocol Support is selected through the Custom installation type, you are prompted to select the additional networking protocols for which you want support (SPX and LU6.2). Named Pipes and TCP/IP protocol support is automatically installed and cannot be de-installed.</p>	Yes	Yes	Yes
Object Type Translator, includes:	Yes	Yes	No
<ul style="list-style-type: none"> ■ Oracle INTYPE File Assistant 	Yes	Yes	No
Oracle Advanced Security, includes: ¹	Yes	Yes	Yes
1. Encryption and Integrity Support, includes:	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ DES40 Encryption 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ DES56 Encryption 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ 3DES_112 Encryption (2-key option) 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ 3DES_168 Integrity (3-key option) 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ RC4_40 Encryption 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ RC4_56 Encryption 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ RC4_128 Encryption 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ RC4_256 Integrity 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ SHA-1 Integrity 	Yes	Yes	Yes
<ul style="list-style-type: none"> ■ MD5 Integrity 	Yes	Yes	Yes

Component	Oracle8i Client		
	Administrator	Programmer	Application User
2. Thin JDBC Java-based Encryption Support, includes:	Yes	Yes	Yes
▪ DES40 Encryption	Yes	Yes	Yes
▪ DES56 Encryption	Yes	Yes	Yes
▪ RC4_40 Encryption	Yes	Yes	Yes
▪ RC4_56 Encryption	Yes	Yes	Yes
▪ RC4_128 Encryption	Yes	Yes	Yes
▪ RC4_256 Integrity	Yes	Yes	Yes
▪ SHA-1 Integrity	Yes	Yes	Yes
▪ MD5 Integrity	Yes	Yes	Yes
3. Authentication Support, includes:	Yes	Yes	Yes
▪ CyberSafe (with SSO support)	No	No	No
▪ DCE (with SSO support)	No	No	No
▪ Entrust	No	No	No
▪ Identix (for Biometrics)	Yes	Yes	Yes
▪ Kerberos (with SSO support)	Yes	Yes	Yes
▪ RADIUS (for Smart Cards, Token Cards, and Biometrics)	Yes	Yes	Yes
▪ SecurID (for Token Cards)	Yes	Yes	Yes
▪ Secure Socket Layer (with X.509 version 3 and SSO support)	Yes	Yes	Yes
Note: Kerberos, SecurID, and Radius are installable through the Custom installation <i>Authentication Methods</i> window. Identix, CyberSafe, and Entrust only appear for installation in this window if the appropriate third-party software is installed. DCE is only installable through the Custom installation <i>Available Product Components</i> window.			
4. Enterprise User Security, includes:			
▪ Oracle Enterprise Login Assistant	Yes	Yes	Yes
▪ Oracle Enterprise Security Manager (started through Oracle Enterprise Manager Integrated Applications)	Yes	No	No
▪ Oracle Wallet Manager	Yes	Yes	Yes
Note: Oracle Enterprise Login Assistant, Oracle Enterprise Security Manager, and Oracle Wallet Manager are features of Oracle Advanced Security and can only be used if you have purchased an Oracle Advanced Security license.			

Component	Oracle8i Client		
	Administrator	Programmer	Application User
Oracle Call Interface	Yes	Yes	Yes
Oracle Enterprise Java Beans and CORBA Tools	Yes	Yes	No
Oracle Enterprise Manager, includes:	Yes	No	No
1. Oracle Enterprise Manager Client, includes:	Yes	No	No
■ Oracle Enterprise Manager Console	Yes	No	No
■ Oracle Enterprise Manager Events	Yes	No	No
■ Oracle Enterprise Manager Migration Assistant	Yes	No	No
■ Oracle DBA Management Pack, includes:	Yes	No	No
Oracle DBA Studio ²	Yes	No	No
Oracle Instance Manager	No	No	No
Oracle Schema Manager	No	No	No
Oracle Security Manager	No	No	No
Oracle Storage Manager	No	No	No
SQL*Plus Worksheet	Yes	No	No
■ Oracle Enterprise Manager Integrated Applications, includes:	Yes	No	No
Oracle Enterprise Security Manager	Yes	No	No
Note: Licensed through Oracle Advanced Security.			
Oracle Parallel Server Manager	Yes	No	No
Oracle <i>interMedia</i> Text Manager	Yes	No	No
Oracle Forms Server Manager	Yes	No	No
Oracle Spatial Index Advisor	Yes	No	No
Oracle Directory Manager	Yes	No	No
2. Oracle Enterprise Manager Paging Server	No	No	No
3. Oracle Enterprise Manager Quick Tours	Yes	No	No
Oracle <i>interMedia</i> Client Option	Yes	Yes	Yes
Oracle Internet Directory Client	Yes	No	No

Component	Oracle8i Client		
	Administrator	Programmer	Application User
Oracle JDBC Drivers, includes:	Yes	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.1	Yes	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.2	Yes	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.1	Yes	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.2	Yes	Yes	No
Oracle Migration Workbench	No	No	No
Oracle Objects for OLE	Yes	Yes	Yes
Oracle ODBC Driver	Yes	Yes	Yes
Oracle Provider for OLE DB	Yes	Yes	Yes
Oracle Services for Microsoft Transaction Server	No	No	No
Oracle SQLJ, includes:	Yes	Yes	No
■ SQLJ Runtime	Yes	Yes	No
■ SQLJ Translator	Yes	Yes	No
Oracle Universal Installer, includes:	Yes	Yes	Yes
■ Oracle's version of Java Runtime Environment	Yes	Yes	Yes
■ Oracle Home Selector	Yes	Yes	Yes
Oracle Utilities, includes:	Yes	Yes	Yes
■ Export	Yes	Yes	Yes
■ Import	Yes	Yes	Yes
■ Recovery Manager	Yes	Yes	No
■ SQL*Loader	Yes	Yes	Yes
Oracle Visual Information Retrieval Client	Yes	Yes	Yes
Oracle Workflow Builder	No	No	No
Oracle Workflow Mailer	No	No	No
Oracle XML Developer's Kit	Yes	Yes	Yes
Oracle XML SQL Utility	Yes	Yes	Yes
Oracle8i Windows Documentation (installation guide and release notes)	Yes	Yes	Yes
PL/SQL	Yes	Yes	No
Pro*C/C++	Yes	Yes	No

Component	Oracle8i Client		
	Administrator	Programmer	Application User
Pro*COBOL 8.1.7	No	No	No
Pro*COBOL 1.8.52	Yes	Yes	No
Replication API	Yes	Yes	No
SQL*Plus	Yes	Yes	Yes

¹ Oracle Advanced Security is available with Oracle8i Enterprise Edition and Oracle8i Personal Edition, but is not available with Oracle8i.

² Includes functionality for Oracle Replication Manager.

See Also: ["Component Descriptions"](#) on page B-2 for descriptions and release numbers of these components

Oracle8i Management and Integration Components

This table alphabetically lists the components available with each installation type of the Oracle8i Management and Integration top-level component.

Note: This table lists *all* the components that are installed with the Oracle Internet Directory and Oracle Integration Server installation types if an Oracle8i database is not currently installed.

Component	Oracle8i Management and Integration		
	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
Advanced Queueing API	No	Yes	Yes
Advanced Replication API	No	Yes	Yes
Generic Connectivity	No	Yes	Yes
Net8 Client, includes:	Yes	Yes	Yes
■ Net8 Assistant	Yes	Yes	Yes
■ Net8 Configuration Assistant	Yes	Yes	Yes
■ Oracle Protocol Support	No	No	Yes
Net8 Server	No	Yes	Yes
Object Type Translator, includes:	No	Yes	Yes
■ Oracle INTYPE File Assistant	No	Yes	Yes
Oracle Advanced Security, includes: ¹	Yes	Yes	Yes
1. Secure Socket Layer (with X.509 version 3 and SSO support)	Yes	Yes	Yes
2. Oracle Enterprise Security Manager (started through Oracle Enterprise Manager Integrated Applications)	Yes	No	No
3. Oracle Wallet Manager	Yes	Yes	Yes
4. Oracle Enterprise Login Assistant	Yes	Yes	Yes
Note: Oracle Enterprise Login Assistant, Oracle Wallet Manager, and Oracle Enterprise Security Manager are features of Oracle Advanced Security and can only be used if you have purchased an Oracle Advanced Security license.			

Component	Oracle8i Management and Integration		
	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
Oracle Application InterConnect (OAI), includes:	No	No	No
▪ OAI Adapter SDK	No	No	No
▪ OAI CRM 11i Adapter	No	No	No
▪ OAI DB Adapter	No	No	No
▪ OAI JStudio	No	No	No
▪ OAI Management Console	No	No	No
▪ OAI Repository	No	No	No
▪ OAI SAP Adapter	No	No	No
▪ OAI XML AQ Adapter (for Oracle8i database 8.1.5)	No	No	No
▪ OAI XML AQ Adapter (for Oracle8i database 8.1.6 or higher)	No	No	No
▪ Oracle SAP Bridge	No	No	No
Oracle Call Interface	No	Yes	Yes
Oracle Connection Manager	No	No	No
Oracle Data Migration Assistant	No	Yes	Yes
Oracle Database Configuration Assistant	No	Yes	Yes
Oracle Enterprise Java Beans and CORBA Tools	Yes	Yes	Yes
Oracle Enterprise Manager, includes:	Yes	No	No
1. Oracle Enterprise Manager Client, includes:	Yes	No	No
▪ Oracle Enterprise Manager Console	Yes	No	No
▪ Oracle DBA Management Pack, includes:	Yes	No	No
Oracle DBA Studio ²	Yes	No	No
Oracle Instance Manager	No	No	No
Oracle Schema Manager	No	No	No
Oracle Security Manager	No	No	No
Oracle Storage Manager	No	No	No
SQL*Plus Worksheet	Yes	No	No
▪ Oracle Enterprise Manager Events	Yes	No	No

Component	Oracle8i Management and Integration		
	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
<ul style="list-style-type: none"> ■ Oracle Enterprise Manager Integrated Applications, includes: <ul style="list-style-type: none"> Oracle Enterprise Security Manager Note: Licensed through Oracle Advanced Security. Oracle Parallel Server Manager Oracle <i>interMedia</i> Text Manager Oracle Forms Server Manager Oracle Spatial Index Advisor Oracle Directory Manager 	Yes	No	No
2. Oracle Enterprise Manager Paging Server	No	No	No
3. Oracle Enterprise Manager Quick Tours	Yes	No	No
4. Oracle Enterprise Manager Web Site	Yes	No	No
Note: Oracle Enterprise Manager Web Site uses a preconfigured Oracle HTTP Server as a Web listener.			
5. Oracle Management Server, includes:	Yes	No	No
Oracle Enterprise Manager Configuration Assistant	Yes	No	No
Oracle Enterprise Manager Migration Assistant	Yes	No	No
Oracle <i>interMedia</i> Client Option	No	No	Yes
Oracle Internet Directory Client	No	Yes	Yes
Oracle Internet Directory Configuration Assistant	No	Yes	No
Oracle Internet Directory Server	No	Yes	No
Oracle JServer, includes:	No	Yes	Yes
■ Java Virtual Machine	No	Yes	Yes
■ JServer Accelerator	No	Yes	Yes
■ Oracle Servlet Engine	No	Yes	Yes
Oracle Intelligent Agent	No	Yes	Yes

Component	Oracle8i Management and Integration		
	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
Oracle JDBC Drivers, includes:	Yes	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.1	Yes	Yes	Yes
■ Oracle JDBC Thin Driver for JDK 1.2	No	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.1	Yes	Yes	Yes
■ Oracle JDBC/OCI Driver for JDK 1.2	No	Yes	Yes
Oracle Message Broker	No	No	Yes
Oracle Objects for OLE	No	No	Yes
Oracle ODBC Driver	No	No	No
Oracle Partitioning ¹	No	No	Yes
Oracle Provider for OLE DB	No	No	Yes
Oracle Remote Configuration Agent	No	Yes	Yes
Oracle SQLJ, includes:	No	No	Yes
■ SQLJ Runtime	No	Yes	Yes
■ SQLJ Translator	No	No	Yes
Oracle Trace	No	Yes	Yes
Oracle Universal Installer, includes:	Yes	Yes	Yes
■ Oracle's version of Java Runtime Environment	Yes	Yes	Yes
■ Oracle Home Selector	Yes	Yes	Yes
Oracle Utilities, includes:	No	Yes	Yes
■ Database Verify Utility	No	Yes	Yes
■ Export	No	Yes	Yes
■ Import	No	Yes	Yes
■ Migration Utility	No	Yes	Yes
■ Recovery Manager	No	Yes	Yes
■ SQL*Loader	No	Yes	Yes
■ Server Manager	No	Yes	Yes

Component	Oracle8i Management and Integration		
	Oracle Management Server	Oracle Internet Directory	Oracle Integration Server
Oracle Visual Information Retrieval Client ¹	No	No	Yes
Oracle Workflow	No	No	Yes
Oracle XML Developer's Kit ³	No	Yes	Yes
Oracle XML SQL Utility	No	Yes	Yes
Oracle8i Server ⁴ (the Oracle8i database), includes:	No	Yes	Yes
■ Oracle Database Demos	No	Yes	Yes
■ PL/SQL	No	Yes	Yes
■ PL/SQL Embedded Gateway	No	Yes	Yes
Oracle8i Windows Documentation (installation guide and release notes)	Yes	Yes	Yes
Pro*C/C++	No	No	Yes
Pro*COBOL 1.8.52	No	No	Yes
Replication API	No	Yes	Yes
SQL*Plus	Yes	Yes	Yes

¹ Oracle Advanced Security, Oracle Partitioning, and Oracle Visual Information Retrieval Client are available only with Oracle8i Enterprise Edition and Oracle8i Personal Edition, but are not available with Oracle8i.

² Includes functionality for Oracle Replication Manager.

³ A subset of the Oracle XML Developer's Kit is installed with Oracle Internet Directory. See the installation log in the `SYSTEM_DRIVE\PROGRAM GROUPS\ORACLE\INVENTORY\LOGS` directory for a specific list.

⁴ The type of Oracle8i Server depends upon the database type you purchased: Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition.

See Also: "[Component Descriptions](#)" on page B-2 for descriptions and release numbers of these components

Components Not Available with 8.1.7

The following components that were part of 8.1.6 are not available for installation with 8.1.7:

- Oracle Web Publishing Assistant
- Oracle AppWizard for Microsoft Visual C++

Individual Component Descriptions

This appendix provides descriptions and release numbers of the individual components available with each installation type.

The specific topic discussed is:

- [Component Descriptions](#)

Note: Components that require a separate license are identified in their descriptions in this appendix.

Note: Component descriptions are also provided in the *Available Product Components* window that appears when you select any Custom installation type in Oracle Universal Installer. Drag your cursor over a specific component to display a description.

Component Descriptions

This table provides descriptions and release numbers of individual components available for installation with the three top-level components. References are made to documentation that more fully describes these components. Some components described below are automatically installed with other components.

Component	Release	Description	See Also...
Advanced Queueing	8.1.7	A component that provides the functionality to support the Advanced Queueing application programming interface (API).	<i>Oracle8i Application Developer's Guide - Advanced Queuing</i>
Advanced Replication	8.1.7	A component that provides the functionality to support the Advanced Replication API.	<i>Oracle8i Replication</i>
Assistant Common Files (installed with Oracle assistants, such as Oracle Database Configuration Assistant and Net8 Assistant)	8.1.7	A collection of automatically installed files required by Oracle assistants. These files include: <ul style="list-style-type: none"> ▪ BaliShare 1.0.8 (compressed) ▪ DBUI 1.1.2 ▪ EWT 3.3.6 (compressed) ▪ ICE Browser 4.06.6 (compressed) ▪ Java Swing Components 1.1.1 (compressed) ▪ Kodiak 1.1.3 ▪ Oracle Help for Java 3.1.8 (compressed) ▪ SMUI 1.0.8 	Not applicable
Bequeath protocol support (installed with Net8 Client)	8.1.7	A protocol that enables clients to retrieve information from the database without using the listener. The Bequeath protocol internally spawns a server thread for each client application. It basically does the same operation that a remote network listener does for your connection, but locally.	<i>Net8 Administrator's Guide</i>
Data Collection Services (installed with Oracle Intelligent Agent)	2.2	An extension of Oracle Intelligent Agent that collects system performance data (for example, file I/O or CPU usage data) for the Capacity Planner and Performance Manager, which are data-collecting applications in the Oracle Diagnostics Pack.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Generic Connectivity	8.1.7	Also known as Heterogeneous Services, this feature implements an extensibility framework for accessing non-Oracle systems. This feature integrates the core of Oracle's gateway technology directly into the Oracle8i database server by extending the Oracle SQL engine to optimize and rewrite SQL for non-Oracle data stores.	<i>Oracle8i Distributed Database Systems</i>

Component	Release	Description	See Also...
Java Runtime Environment (Oracle's version)	1.1.7.30	Required for running Java applications, such as Oracle Universal Installer.	Not applicable
Java Virtual Machine (part of Oracle JServer)	8.1.7	A complete JDK 1.2-compliant Java execution environment. The Java VM runs in the same process space and address space as the database server, sharing its memory heaps and directly accessing its relational data. This design optimizes memory use, increases throughput, and delivers an open, highly available, secure, and manageable Java server.	<i>Oracle8i Java Developer's Guide</i>
JServer Accelerator (part of Oracle JServer)	8.1.7	This component enhances the current functionality of Oracle JServer to provide native compilation of Java code to improve performance.	<i>Oracle8i Java Stored Procedures Developer's Guide</i>
LSM Administrator GUI	8.1.7	A client tool for administering the Legato Storage Manager (LSM) server from a separate Windows NT computer.	<ul style="list-style-type: none"> ▪ <i>Legato Storage Manager Administrator's Guide for Windows 2000 and Windows NT</i> ▪ Appendix E, "Installing and Removing Legato Components"
Legato Storage Manager (LSM) server	8.1.7	If you are using Recovery Manager (RMAN) for Oracle database backups, a media management component such as LSM server is required for backing up and restoring from tape. You can choose to install the media management component on your CD-ROM, which is LSM server, or use a third-party media management component that also complies with Oracle's Backup Solutions Program. LSM server also includes a scaled-down version of Legato NetWorker. For more information on this component, call toll free (1) 888-8-LEGATO in the United States of America.	<ul style="list-style-type: none"> ▪ <i>Legato Storage Manager Administrator's Guide for Windows 2000 and Windows NT</i> ▪ Appendix E, "Installing and Removing Legato Components"

Component	Release	Description	See Also...
Net8 Assistant (installed with Net8 Client)	8.1.7	<p>A tool that combines configuration abilities with component control to provide an integrated environment for configuring and managing Net8. It can be used on either the client or server.</p> <p>Use Net8 Assistant to configure the following network components:</p> <ul style="list-style-type: none"> ■ Naming <p>Define simple names, connect identifiers, and map them to connect descriptors to identify the network location and identification of a service. Net8 Assistant supports configuration of connect descriptors in local TNSNAMES.ORA files, a centralized LDAP-compliant directory server, or an Oracle Names server.</p> ■ Naming Methods <p>Configure the different ways in which connect identifiers are resolved into connect descriptors.</p> ■ Listeners <p>Create and configure listeners to receive client connections.</p> <p>If an Oracle Names server is configured, you start, stop, tune, or gather statistics with Net8 Assistant.</p>	<i>Net8 Administrator's Guide</i>
Net8 Client	8.1.7	<p>A component that provides features that enable client connections to databases across a network. A client-side application sends a request to Net8 to be transported across the network to the server.</p> <p>Net8 Client (and not Oracle Universal Installer) installs TCP/IP and Named Pipes, and auto-detects SPX. SPX is only installed if the appropriate software is detected on your computer. If you explicitly select this component through the Custom installation type, it will be installed even if you do not have the appropriate software on your computer.</p>	<i>Net8 Administrator's Guide</i>
Net8 Configuration Assistant (installed with Net8 Client)	8.1.7	<p>A tool that enables you to configure network components. Net8 Configuration Assistant runs automatically after installation, as described in this guide. Use it on either the client or server. It may also be run in standalone mode to configure naming methods usage, the listener, net service names in the TNSNAMES.ORA file, and directory server access.</p>	<i>Net8 Administrator's Guide</i>
Net8 Server	8.1.7	<p>A component that allows the listener through a protocol to accept connections from client applications on a network.</p>	<i>Net8 Administrator's Guide</i>

Component	Release	Description	See Also...
Object Type Translator (OTT)	8.1.7	OTT is used to create C-struct representations of Abstract Data Types that have been created and stored in an Oracle database. To take advantage of objects, run OTT against the database, and a header file is generated that includes the C-structs.	<i>Oracle Call Interface Programmer's Guide</i>
Oracle Administration Assistant for Windows NT	8.1.7	A tool that enables you to start and stop the Oracle database service, auto-start Oracle services, view Oracle background process information, and configure database users to be authenticated by Windows NT.	Chapter 8, "Authenticating Database Users with Windows" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Oracle Advanced Security	8.1.7	Oracle Advanced Security provides the following comprehensive suite of security services for Oracle8i. <i>This multicomponent product requires a separate license.</i>	<i>Oracle Advanced Security Administrator's Guide</i>
1. Authentication support		Strong authentication support is provided. See Appendix A, "Individual Components Available for Installation" for more information.	
2. Authorization support		Authorization solutions are provided with the distributed computing environment (DCE), and with the enterprise role management functionality in Oracle Advanced Security.	
3. Encryption and Integrity support		Data confidentiality is ensured using the encryption and data integrity types listed in Appendix A, "Individual Components Available for Installation" . Note: Recent changes in United States Export Administration Regulations (EAR) make it possible for Oracle Corporation to ship one edition of Oracle Advanced Security worldwide. Oracle Advanced Security includes strong encryption for protocols into the Oracle8i database that were previously available only to the U.S. and Canadian markets.	
4. Enterprise User Security support		Integration with Lightweight Directory Access Protocol (LDAP) v3-compliant directory services is provided, such as Oracle Internet Directory, for centralized enterprise user management, enterprise role management, and single sign-on.	
5. Single Sign On support		Single sign on is provided (users authenticate once). Strong authentication then occurs transparently in subsequent connections. Kerberos, CyberSafe, DCE, and secure socket layer (SSL)-based single sign on are supported.	

Component	Release	Description	See Also...
Oracle Agent Extensions	8.1.7	The Oracle Agent Extensions (Microsoft SQL*Server Extensions, Oracle Applications Extensions, Oracle HTTP Server Extensions, Oracle eBusiness Management Extensions, and Oracle Forms Extensions) enable management of these areas. These extensions are no longer automatically installed with the Oracle Intelligent Agent.	<i>Oracle Intelligent Agent User's Guide</i>
Oracle Applications InterConnect (OAI)	3.1.3	This component is a full-featured integration platform for interconnecting customer relationship management (CRM) applications with ERP Systems such as SAP R/3, Retek, and Oracle Applications. OAI is built upon the Oracle Messaging Stack and takes advantage of its features and functionality. This component is targeted specifically at the integration of Oracle CRM components with third-party ERP solutions.	<i>Oracle Applications Interconnect User's Guide</i>
Oracle Call Interface (OCI)	8.1.7	An API for accessing an Oracle database from a C or C++ program. You make calls directly to the OCI functions from within your C or C++ program to direct the execution of your SQL statements.	<ul style="list-style-type: none">■ <i>Oracle Call Interface Programmer's Guide</i>■ <i>Oracle Call Interface Getting Started for Windows</i>
Oracle COM Automation Feature	8.1.7	A feature that enables PL/SQL developers to programmatically manipulate COM objects through the OLE Automation interface (IDispatch).	<i>Oracle COM Automation Developer's Guide</i>
Oracle Connection Manager	8.1.7	A component that acts like a router through which client connection requests can either be sent to the next hop or directly to a server. Clients who route their connection requests through Oracle Connection Manager can take advantage of the connection concentration, Net8 access control, or multiprotocol support features configured on that Connection Manager.	<i>Net8 Administrator's Guide</i>
Oracle Data Migration Assistant	8.1.7	A tool that migrates existing Oracle7 databases (release 7.1.3.3.6 or later) to an Oracle8i database and upgrades Oracle8 databases to the current database release.	<i>Oracle8i Migration</i>

Component	Release	Description	See Also...
Oracle Database Configuration Assistant	8.1.7	A tool that automates the process of creating, modifying, and deleting an Oracle database. You can create an Oracle database that is customized to the needs of your environment.	<ul style="list-style-type: none"> ▪ <i>Oracle8i Administrator's Guide</i> ▪ Chapter 6, "Post-Installation Database Creation" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Oracle Database Demos	8.1.7	A collection of demonstrations that illustrate important Oracle8i database features.	Not applicable
Oracle DBA Management Pack	2.2	A set of tools and wizards bundled with Oracle Enterprise Manager. The Oracle DBA Management Pack performs most database administration tasks, and supports all versions of Oracle databases.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle DBA Studio (part of Oracle DBA Management Pack)	2.2	A tool that integrates the functionality of schema, security, storage, instance, and replication management into one management tool.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Directory Manager (part of Oracle Enterprise Manager Integrated Applications)	2.1.1	A Java-based tool for administering most functional areas of Oracle Internet Directory and its related processes.	<i>Oracle Internet Directory Administrator's Guide</i>
Oracle8i Server Online Documentation	8.1.7	Available in HTML and PDF formats on a separate Oracle8i Server Online Documentation CD-ROM. This installation guide and the <i>Oracle8i Release Notes for Windows NT</i> are not on this CD-ROM.	Appendix F, "Getting Started with Your Documentation"
Oracle Enterprise Java Beans and CORBA Tools	8.1.7	An architecture for developing transactional applications as distributed components in Java.	<i>Oracle8i Enterprise JavaBeans Developer's Guide and Reference</i>
Oracle Enterprise Login Assistant	1.1	A tool that enables single sign on, which implements a subset of Oracle Wallet Manager functionality for opening a user wallet and enabling applications to use it.	<i>Oracle Advanced Security Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Enterprise Manager	2.2	A suite of components that provide an integrated solution for centrally managing your heterogeneous environment. Oracle Enterprise Manager combines a graphical console, Oracle Management Servers, Oracle Intelligent Agents, common services, and tools to provide an integrated, comprehensive systems management platform for managing Oracle and third-party components.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Client	2.2	The first tier of Oracle Enterprise Manager is comprised of clients such as consoles and management applications, which present graphical user interfaces to administrators for all management tasks. These client components can be installed locally or brought up with a Web browser.	<i>Oracle Enterprise Manager Concepts Guide</i>
Oracle Enterprise Manager Configuration Assistant (installed with Oracle Management Server)	2.2	A tool that assists administrators with Oracle Enterprise Manager repository creation, removal, upgrade, and configuration.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Console	2.2	Client interface for the first tier of Oracle Enterprise Manager, which: <ul style="list-style-type: none"> ■ Centrally administers, diagnoses, and tunes multiple databases ■ Manages other Oracle components and services ■ Monitors and responds to the status of Oracle components and third-party services 24 hours a day ■ Schedules jobs on multiple nodes at varying time intervals ■ Monitors networked services for events ■ Customizes your display by organizing databases and other services into logical administrative groups 	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Events	2.2	A set of predefined event tests used to monitor your global environment for problem occurrences.	<i>Oracle Enterprise Manager Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Enterprise Manager Integrated Applications	2.2	Applications integrated with Oracle Enterprise Manager for managing your Oracle environment, and installed with Oracle Enterprise Manager if your environment requires them. The applications can be accessed from the Oracle Enterprise Manager Navigator pane and/or the console application drawers, or from your operating system.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Migration Assistant (installed with Oracle Management Server)	2.2	A tool that performs migration of an Oracle Enterprise Manager release 1.6 and above repository to a version 2.2 repository. Note: Oracle Enterprise Manager Migration Assistant is only supported on Windows NT, Windows 95, Windows 2000, and Windows 98. However, the Oracle Enterprise Manager Migration Assistant can remotely migrate repository data from any release 1.x repository to release 2.2, regardless of the source and destination repository database platforms.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Paging Server	2.2	A feature that enables administrators to receive paging notifications from the console.	<i>Oracle Enterprise Manager Configuration Guide</i>
Oracle Enterprise Manager Quick Tours	2.2	HTML-based training tools that provide a fast and easy way to learn about a variety of Oracle Enterprise Manager components without having to actually install them. Quick tours are provided for the following components: <ul style="list-style-type: none"> ■ Oracle Enterprise Manager ■ Oracle DBA Management Pack ■ Change Management Pack ■ Diagnostics Pack ■ Tuning Pack ■ Management Pack for Oracle Applications ■ Management Pack for SAP R/3 ■ Standard Management Pack 	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Enterprise Manager Web Site	2.2	A component that enables administrators to access the Oracle Enterprise Manager Console from a Web browser.	<i>Oracle Enterprise Manager Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Enterprise Security Manager (part of Oracle Enterprise Manager Integrated Applications)	2.0	A tool that helps you administer the Oracle environment for user security using an LDAP-compliant directory server. This tool allows an administrator to manage enterprise-level role authorization among multiple databases simultaneously.	<i>Oracle Advanced Security Administrator's Guide</i>
Oracle Forms Server Manager (part of Oracle Enterprise Manager Integrated Applications)	2.1	A tool that enables you to control and monitor Forms Listener, Forms Server, Load Balancer Server, and Load Balancer Client. In addition to providing basic controls such as startup and shutdown, this tool can also monitor for events that include service down, excessive memory usage, and excessive CPU usage, and can also automatically fix the problem when it occurs.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Home Selector (installed with Oracle Universal Installer)	1.7.0	A tool that enables you to edit your environment path to make an appropriate Oracle home directory your primary home.	Chapter 3, "Multiple Oracle Homes and Optimal Flexible Architecture" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Oracle HTTP Server	1.3.12	A component that provides a preconfigured, ready-to-use listener (for use with Oracle Enterprise Manager Web Site) to enable a browser-based Oracle Enterprise Manager Console. See Appendix A, "Individual Components Available for Installation" for a list of components automatically installed with Oracle HTTP Server.	<i>Oracle Enterprise Manager Configuration Guide</i> Online documentation available from the Start Menu
Oracle Instance Manager (part of Oracle DBA Management Pack)	2.2	A tool that manages database instances and sessions in your Oracle environment.	<i>Oracle Enterprise Manager Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Integration Server	8.1.7	<p>An installation type designed to transform traditional businesses into e-businesses. Oracle Integration Server is designed to integrate and facilitate communication among the various applications (including customer relationship management, enterprise resource planning, business-to-business Internet marketplaces, and auction sites) that comprise an e-business. Oracle Integration Server consists of the following components:</p> <ul style="list-style-type: none"> ■ Oracle8i database (with Advanced Queuing, Oracle JServer, and Oracle Enterprise Java Beans and CORBA Tools) ■ Partitioning ■ Advanced Replication ■ Oracle Advanced Security ■ Oracle Workflow ■ Oracle Message Broker ■ Oracle Application Interconnect (installable through the Oracle8i Management and Integration Custom installation type) ■ Oracle Internet Directory 	<p><i>Oracle Integration Server Overview</i></p> <p>The documentation listed in the descriptions for each of the components installed with Oracle Integration Server</p>
Oracle Intelligent Agent	8.1.7	<p>A component that monitors services on the managed node for registered events and scheduled jobs sent by the console. The Oracle Agent Extensions are no longer automatically installed with the Oracle Intelligent Agent. Oracle Data Gatherer is installed as part of the basic Oracle Intelligent Agent.</p>	<i>Oracle Intelligent Agent User's Guide</i>
Oracle <i>interMedia</i>	8.1.7	<p>A component that provides file management in a variety of media, from text to audio to video. Files in each medium are managed through a specific component of <i>interMedia</i>.</p> <p><i>This multicomponent product requires a separate license.</i></p>	<i>Oracle8i interMedia Text Reference</i>
Oracle <i>interMedia</i> Audio (installed with Oracle <i>interMedia</i>)	8.1.7	<p>A component that provides for the storage, retrieval, and management of digitized audio data within an Oracle database.</p>	<i>Oracle interMedia Audio, Image, and Video User's Guide and Reference</i>

Component	Release	Description	See Also...
Oracle <i>interMedia</i> Client Option (part of Oracle <i>interMedia</i>)	8.1.7	A component that provides an Oracle <i>interMedia</i> Audio, Image, and Video Java interface that lets you use client-side applications to manipulate and/or modify multimedia data stored in a network accessible database on the server. It also provides a simple Oracle <i>interMedia</i> Image sample (SIMPIMG.EXE) developed using Microsoft Visual C++. SIMPIMG.EXE locates and updates images using Oracle <i>interMedia</i> Image in an Oracle8i database.	<i>Oracle8i interMedia Text Reference</i>
Oracle <i>interMedia</i> Image (installed with Oracle <i>interMedia</i>)	8.1.7	A component that provides for the storage, retrieval, and processing of two-dimensional, static bitmapped images. Images are stored efficiently using popular compression schemes in industry-standard desktop publishing image interchange formats.	<i>Oracle interMedia Audio, Image, and Video User's Guide and Reference</i>
Oracle <i>interMedia</i> Locator (installed with Oracle <i>interMedia</i>)	8.1.7	A component that enables Oracle8i to support online Internet-based geocoding facilities for locator applications and proximity queries.	<i>Oracle interMedia Locator User's Guide and Reference</i>
Oracle <i>interMedia</i> Text (installed with Oracle <i>interMedia</i>)	8.1.7	A component that manages and searches for text in the database as quickly and easily as any other type of data. Oracle <i>interMedia</i> Text's search techniques make text a standard datatype in the Oracle8i database that you can create, modify, and delete. Additionally, with Oracle <i>interMedia</i> Text, new text-based developments or extensions to existing applications are easy and cost-effective to build with standard SQL tools. With Oracle <i>interMedia</i> Text, you can search for data in any Oracle database application that uses text. This can range from search-enabling a comments field in an existing application to implementing large-scale document management systems dealing with multiple document formats and complex search criteria. Oracle <i>interMedia</i> Text also supports basic full-text searches in most languages supported by the Oracle8i database.	<i>Oracle8i interMedia Text Reference</i>
Oracle <i>interMedia</i> Text Manager (part of Oracle Enterprise Manager Integrated Applications)	2.2	A text-search system for managing and searching for text in the Oracle8i database. This application helps you manage and search for text in the database as quickly and easily as any other type of data.	<i>Oracle Enterprise Manager Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle <i>interMedia</i> Video (installed with Oracle <i>interMedia</i>)	8.1.7	A component that provides for the storage, retrieval, and management of digitized video data within an Oracle database.	<i>Oracle interMedia Audio, Image, and Video User's Guide and Reference</i>
Oracle Internet Directory	2.1.1	An Oracle8 <i>i</i> database-based LDAP v3 directory server, which can be configured prior to server installation for use in centralizing database user, Net8 network connector, database listener, Oracle Advanced Security, and Oracle Integration Server parameters, as well as for general-purpose LDAP usage (when purchased separately). Installing the Oracle8 <i>i</i> database through the Custom installation type enables the user to specify the LDAP directory server to use for storing these attributes. A typical installation scenario is to install Oracle Internet Directory on a dedicated server (distinct from the target resource for a particular Oracle8 <i>i</i> database installation).	<i>Oracle Internet Directory Administrator's Guide</i>
Oracle Internet Directory Client	2.1.1	A component that enables the various components of the Oracle8 <i>i</i> database to use Oracle Internet Directory for centralized storage (as mentioned under the description for Oracle Internet Directory on page B-13).	<i>Oracle Internet Directory Administrator's Guide</i>
Oracle Internet Directory Configuration Assistant	2.1.1	A tool for creating the Oracle Internet Directory tablespaces and schema in the Oracle8 <i>i</i> database when Oracle Internet Directory is installed.	<i>Oracle Internet Directory Administrator's Guide</i>
Oracle Internet Directory Server	2.1.1	A component that responds to LDAP client requests for information about people and resources, and to updates of that information.	<i>Oracle Internet Directory Administrator's Guide</i>
Oracle Internet File System (Oracle iFS)	1.1	Oracle iFS makes the Oracle8 <i>i</i> database look and act like a file system that can be accessed through Windows, the Web, FTP, and e-mail clients. Oracle iFS is also a superior development platform for many content management applications. Using Java and XML, you can leverage all the capabilities of the file system, customizing its appearance and behavior to fit your needs.	<i>Oracle Internet File System Setup and Administration Guide</i> <i>Oracle8i Release Notes for Windows NT</i> for information on the CD-ROMs on which Oracle iFS is shipped.

Component	Release	Description	See Also...
Oracle INTYPE File Assistant (installed with the Object Type Translator)	8.1.7	An assistant that helps you to create an INTYPE file, which provides a list of types for the Object Type Translator to translate. This component is automatically installed with the Object Type Translator.	<i>Oracle Call Interface Getting Started for Windows</i>
Oracle Java Database Connectivity (JDBC) Drivers	8.1.7	A standard set of Java classes, specified by JavaSoft, that provide vendor-independent access to relational data from Java. See the component listings in Appendix A, "Individual Components Available for Installation" for a list of individual release numbers.	<i>Oracle8i JDBC Developer's Guide and Reference</i>
Oracle JServer	8.1.7	A component that provides a JDK 1.2-compliant Java Virtual Machine, a CORBA 2.0 Object Request Broker, embedded JDBC drivers, a SQLJ translator, and an Enterprise JavaBeans transaction server.	<i>Oracle8i Java Developer's Guide</i>
Oracle Management Server	2.2	The middle tier of Oracle Enterprise Manager, which provides centralized intelligence and distribution control between console clients and managed nodes.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Message Broker	2.0	This component provides Java Message Services (JMS) implementation, an industry standard API for accessing various messaging systems, including Oracle Advanced Queueing. This component supports both Publish/Subscribe and Point-to-Point (PTP) messaging models, and persistent and non-persistent queuing.	<i>Oracle Message Broker Administration Guide</i>
Oracle Migration Workbench	1.3	Tools that simplify the process of migrating data and applications from non-Oracle databases to Oracle8i. The Oracle Migration Workbench allows you to quickly and easily migrate an entire application system (that is, the database schema including triggers and stored procedures) in an integrated, visual environment. Migrations from the following non-Oracle databases are supported: <ul style="list-style-type: none"> ■ Microsoft Access ■ Microsoft SQL Server ■ Sybase Adaptive Server 	<ul style="list-style-type: none"> ■ <i>Oracle Migration Workbench Reference for MS Access Reference Guide</i> ■ <i>Oracle Migration Workbench Reference for MS SQL Server and Sybase Adaptive Server Reference Guide</i>

Component	Release	Description	See Also...
Oracle Names	8.1.7	A distributed naming service developed for Oracle environments to help simplify the setup and administration of global, client/server computing networks. Oracle Names does this by establishing and maintaining an integrated system of Names servers. Oracle Names servers work like a directory server, storing addresses for all the database services on a network and making them available to clients that want to make a connection.	<i>Net8 Administrator's Guide</i>
Oracle Objects for Object Linking and Embedding (OO4O)	8.1.7	A custom control (OCX or ActiveX) combined with an OLE in-process server that lets you plug native Oracle8i database functionality into your Windows applications.	Online help available from the Start Menu.
Oracle Open Database Connectivity (ODBC) Driver	8.1.7	A component that provides support for ODBC connections from Windows NT, Windows 2000, Windows 95, and Windows 98 client systems to Oracle8i databases. The Oracle ODBC Driver complies with Version 3.51 of the Microsoft ODBC specification. The SQLBulkOperations ODBC function is not supported.	Online help available from the Start Menu.
Oracle Parallel Server	8.1.7	A component that enables multiple Oracle instances to share a single Oracle database. <i>This component requires a separate license.</i>	<ul style="list-style-type: none"> ■ <i>Oracle Parallel Server Administrator's Guide for Windows NT</i> ■ <i>Oracle8i Parallel Server Setup and Configuration Guide</i>
Oracle Parallel Server Manager (part of Oracle Enterprise Manager Integrated Applications)	2.2	A component that discovers and manages databases that use Oracle Parallel Server. An extension to the Oracle Enterprise Manager Console, Oracle Parallel Server Manager lists all discovered parallel servers alongside single-instance databases in the Navigator's Databases folder. Using property sheets, you can start up and shut down databases using Oracle Parallel Server, as well as check the status of instances, datafiles, in-doubt transactions, profiles, redo log groups, roles, rollback segments, schema objects, users, and tablespaces.	<ul style="list-style-type: none"> ■ <i>Oracle Parallel Server Administrator's Guide for Windows NT</i> ■ <i>Oracle8i Parallel Server Setup and Configuration Guide</i>

Component	Release	Description	See Also...
Oracle Parallel Server Management (part of Oracle Parallel Server)	8.1.7	A component that provides the management tools and utilities to manage an Oracle Parallel Server configuration. This component is automatically installed on the server with Oracle Parallel Server.	<ul style="list-style-type: none"> ■ <i>Oracle Parallel Server Administrator's Guide for Windows NT</i> ■ <i>Oracle8i Parallel Server Setup and Configuration Guide</i>
Oracle Partitioning	8.1.7	A feature that provides more control in managing tables and indexes by directing all maintenance operations to individual partitions rather than to tables and index names. <i>This component requires a separate license.</i>	<i>Oracle8i Concepts</i>
Oracle Performance Monitor for Windows NT	8.1.7	A tool that enables database administrators to monitor local and remote database performance through the Windows NT Performance Monitor.	Chapter 9, "Monitoring a Database" of <i>Oracle8i Administrator's Guide for Windows NT</i>
Oracle Protocol Support - Logical Unit Type 6.2 (LU6.2)	8.1.7	<p>This adapter is part of the IBM Advanced Program-to-Program Communication (APPC) architecture. APPC is the IBM peer-to-peer (program-to-program) protocol for a Systems Network Architecture (SNA) network. SNA is an IBM reference model similar to the Open Systems Interconnect (OSI) model of the International Standards Organization (ISO).</p> <p>An SNA network with the LU6.2 and Physical Unit Type 2.1 (PU2.1) protocols provides APPC. The LU6.2 protocol defines a session between two application programs; LU6.2 is a component-independent LU-type.</p> <p>LU6.2 protocol support enables an Oracle application on a personal computer to communicate with an Oracle database. This communication occurs over an SNA network with the Oracle database on a host system that supports APPC.</p>	<i>Net8 Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Protocol Support - Named Pipes	8.1.7	A protocol that enables client/server conversation over a network using Named Pipes and Net8. This combination of Oracle components enables an Oracle application on a client to communicate with remote Oracle databases through Named Pipes (if the Oracle database is running on a host system that supports network communication using Named Pipes).	<i>Net8 Administrator's Guide</i>
Oracle Protocol Support - SPX	8.1.7	A protocol that enables client/server conversation over a network using SPX/IPX and Net8. This combination of Oracle components enables an Oracle application on a client to communicate with remote Oracle databases through SPX/IPX (if the Oracle database is running on a host system that supports network communication using SPX/IPX). This protocol is predominantly used in Novell Directory Services (NDS) environments.	<i>Net8 Administrator's Guide</i>
Oracle Protocol Support - TCP/IP	8.1.7	A protocol that enables client/server conversation over a network using TCP/IP and Net8. This combination of Oracle components enables an Oracle application on a client to communicate with remote Oracle databases through TCP/IP (if the Oracle database is running on a host system that supports network communication using TCP/IP).	<i>Net8 Administrator's Guide</i>
Oracle Provider for OLE DB	8.1.7	Interfaces that offer high performance and efficient access to Oracle data by applications, compilers, and other database components.	<i>Oracle Provider for OLE DB User's Guide</i>
Oracle Remote Configuration Agent	8.1.7	A component that enables remote configuration and monitoring from Oracle Administration Assistant for Windows NT.	Not applicable
Oracle Schema Manager (part of Oracle DBA Management Pack)	2.2	A tool that enables you to create, alter, or drop schema objects such as clusters, indexes, snapshots, tables, and views.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Security Manager (part of Oracle DBA Management Pack)	2.2	A tool that manages database users and their corresponding privileges, profiles, and roles.	<i>Oracle Enterprise Manager Administrator's Guide</i>

Component	Release	Description	See Also...
Oracle Services for Microsoft Transaction Server	8.1.7	A component that provides full integration of Oracle8 database releases 8.0.6 and 8.1.x with Microsoft Transaction Server. This component enables you to develop and deploy COM-based applications using Microsoft Transaction Server.	<i>Using Microsoft Transaction Server With Oracle8</i>
Oracle Servlet Engine (part of Oracle JServer)	8.1.7	A Web server built directly into the Oracle8i database. Oracle Servlet Engine includes an HTTP listener and the ability to distribute Java Server Pages (JSPs) and run servlets directly on the database.	<i>Oracle8i Oracle Servlet Engine User's Guide</i>
Oracle SNMP Agent	8.1.7	A component that enables Oracle components to be located, identified, and monitored by any SNMP-based network management system.	<i>Oracle SNMP Support Reference Guide</i>
Oracle Spatial (previously called Oracle8i Spatial)	8.1.7	A component that makes the storage, retrieval, and manipulation of spatial data easier and more intuitive to users. <i>This component requires a separate license.</i>	<i>Oracle Spatial User's Guide and Reference</i>
Oracle Spatial Index Advisor (part of Oracle Enterprise Manager Integrated Applications)	2.2	A tool that helps you analyze and tune spatial indexes on data. With the analyzer, you can see if indexes are properly defined for optimum query performance. The analyzer also provides an understanding of distribution of the data through visual inspection.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle SQLJ	8.1.7	A preprocessor for Java programs with embedded SQL statements. It generates Java programs with JDBC calls.	<i>Oracle8i JDBC Developer's Guide and Reference</i>
Oracle Storage Manager (part of Oracle DBA Management Pack)	2.2	A tool that enables you to administer tablespaces, datafiles, redo logs, and rollback segments for optimum database storage.	<i>Oracle Enterprise Manager Administrator's Guide</i>
Oracle Trace	8.1.7	A component that collects performance and resource utilization data, such as SQL Parse, Execute, Fetch statistics, and Wait statistics.	<i>Oracle8i Designing and Tuning for Performance</i>
Oracle Time Series (previously called Oracle8i Time Series)	8.1.7	A component that stores and retrieves time-stamped data through object data types (ODTs). <i>This component requires a separate license.</i>	<i>Oracle8i Time Series User's Guide</i>

Component	Release	Description	See Also...
Oracle Universal Installer	1.7.1	A graphical user interface (GUI) application that lets you quickly install, update, and remove Oracle components.	Choose Start > Programs > Oracle Installation Products > Universal Installer Concepts Guide
Oracle Utilities	8.1.7	A suite of components used for database administration. Oracle Utilities include Server Manager, Export Utility, Import Utility, SQL*Loader, Database Verify Utility, Migration Utility, and Recovery Manager.	<i>Oracle8i Utilities</i> Note: Windows NT-only utilities like ORADIM are described in <i>Oracle8i Administrator's Guide for Windows NT</i>
Oracle Visual Information Retrieval (previously called Oracle8i Visual Information Retrieval)	8.1.7	A component that provides image storage, content-based retrieval, and format conversion capabilities through an object data type. This component is a building block for various imaging applications, rather than being an end-user application. Some common applications for this component consist of digital art galleries and museums, real estate marketing, document imaging, and stock photo collections for fashion designers and architects. A demonstration is also available. <i>This component requires a separate license.</i>	<i>Oracle Visual Information Retrieval User's Guide and Reference</i>
Oracle Visual Information Retrieval Client	8.1.7	This component provides the ability to store, retrieve, and manipulate image data managed by an Oracle8i database. <i>This component requires a separate license.</i>	<i>Oracle Visual Information Retrieval User's Guide and Reference</i>
Oracle Wallet Manager	2.1	A tool that generates a public-private key pair and creates a certificate request for submission to a certificate authority, installs a certificate for the identity, and configures trusted certificates for the identity.	<i>Oracle Advanced Security Administrator's Guide</i>
Oracle Workflow	2.5.2	Oracle Workflow is a complete workflow management system that supports business process definition and automation. Its technology enables automation and continuous improvement of business processes, routing information of any type according to user-defined business rules.	<i>Oracle Workflow Guide</i>

Component	Release	Description	See Also...
Oracle Workflow Builder	2.5.2	Oracle Workflow Builder is a graphical user interface tool for creating, viewing, and modifying workflow process definitions. It contains a Navigator window to define the activities and components of your business process.	<i>Oracle Workflow Guide</i>
Oracle Workflow Mailer	2.5.2	<p>This component performs e-mail send and response processing for the Oracle Workflow Notification System. The program sends notification e-mail messages to users and interprets user responses to complete the notifications. This component has implementations that can integrate directly with any MAPI-compliant mail application on Windows NT.</p> <p>Install the MAPI-compliant implementation on a Windows NT computer by selecting Oracle Workflow Mailer through the Custom installation type of the Oracle8i Client top-level component. This implementation requires a MAPI-compliant mail application installed on the computer and acting as your mail server.</p>	<i>Oracle Workflow Guide</i>
Oracle XML Developer's Kit	8.1.7	<p>This kit consists of a set of APIs for parsing and generating XML data. These interfaces have been written for Java, C, C++, and PL/SQL. This kit consists of the following components:</p> <ul style="list-style-type: none">■ XML Parser for Java■ XML Parser for C■ XML Parser for C++■ XML Parser for PL/SQL■ XML Class Generator for Java■ XML Class Generator for C++■ XML Transviewer Beans■ XSQL Servlet	<ul style="list-style-type: none">■ <i>Oracle8i Application Developer's Guide - XML</i>■ <i>Oracle8i XML Reference</i>
Oracle XML SQL Utility	2.0	This utility is a set of Java classes and PL/SQL wrappers that permit queries to return result sets or objects wrapped in XML.	<ul style="list-style-type: none">■ <i>Oracle8i Application Developer's Guide - XML</i>■ <i>Oracle8i XML Reference</i>

Component	Release	Description	See Also...
Oracle8i Server	8.1.7	The database component of the Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition software.	<i>Getting to Know Oracle8i</i> <i>Oracle8i Concepts</i>
Oracle8i Windows Documentation (Installation Guide and Release Notes)	8.1.7	The installation guide (this guide) describes how to install Oracle components. The <i>Oracle8i Release Notes for Windows NT</i> contain important last minute information not included in the documentation library of your Oracle8i Server Online Documentation CD-ROM.	This installation guide <i>Oracle8i Release Notes for Windows NT</i>
PL/SQL	8.1.7	PL/SQL, Oracle's procedural extension of SQL, is an advanced fourth-generation programming language (4GL). It offers modern features such as data encapsulation, overloading, collection types, exception handling, and information hiding. PL/SQL also offers seamless SQL access, tight integration with the Oracle server and tools, portability, and security.	<i>PL/SQL User's Guide and Reference</i>
PL/SQL Embedded Gateway	8.1.7	This component takes and incorporates PL/SQL Gateway generic functionality directly into the Oracle8i database. This component enables users to use their browsers to invoke PL/SQL procedures stored in an Oracle8i database. The stored procedures can retrieve data from tables in the database, and generate HTTP responses (for example, HTML pages) that include the data to return to the client browser.	<i>Oracle8i Oracle Servlet Engine User's Guide</i>
Pro*C/C++	8.1.7	The Pro*C/C++ precompiler takes SQL statements embedded in your C and C++ programs and converts them to standard C code. When you precompile this code, the result is a C or C++ program that you compile and use to build applications that access an Oracle database.	<ul style="list-style-type: none"> ■ <i>Pro*C/C++ Precompiler Programmer's Guide</i> ■ <i>Pro*C/C++ Precompiler Getting Started for Windows</i>
Pro*COBOL	8.1.7 and 1.8.52	To access an Oracle8i database, you use a high-level query language called Structured Query Language (SQL). You often use SQL through an interactive interface, such as SQL*Plus. Pro*COBOL is a precompiler that converts SQL statements embedded within COBOL programs into standard Oracle run-time library calls. The output file can then be compiled by a COBOL compiler.	<ul style="list-style-type: none"> ■ <i>Pro*COBOL Precompiler Programmer's Guide</i> ■ <i>Pro*COBOL Precompiler Getting Started for Windows</i>

Component	Release	Description	See Also...
Replication API	8.1.7	A tool that provides an API to build customized scripts for replication administration	<i>Oracle8i Replication Management API Reference</i>
SQL*Plus	8.1.7	A tool that lets you use the SQL and PL/SQL database languages in Windows environments. SQL*Plus has both command line and GUI versions.	<i>SQL*Plus User's Guide and Reference</i>
SQL*Plus Worksheet (part of Oracle DBA Management Pack)	2.2	A GUI application for manually entering SQL, PL/SQL, and database administrator commands or running stored scripts.	<i>Oracle Enterprise Manager Administrator's Guide</i>
SQLJ Runtime (installed with Oracle SQLJ)	8.1.7	A thin layer of pure Java code that runs above the JDBC driver. When Oracle SQLJ translates your SQLJ source code, embedded SQL commands in your Java application are replaced by calls to the SQLJ runtime.	<i>Oracle8i SQLJ Developer's Guide and Reference</i>
SQLJ Translator (installed with Oracle SQLJ)	8.1.7	A preprocessor for Java programs that contains embedded SQL statements. SQLJ Translator converts the SQL statements to JDBC calls.	<i>Oracle8i SQLJ Developer's Guide and Reference</i>
WINSOCK2 on Windows NT support	8.1.7	Net8 supports both the WINSOCK 1.1 and WINSOCK2 socket interface. Net8 automatically detects WINSOCK2 on Windows NT and uses it if it is available. WINSOCK2 is a standard feature of the Windows NT release 4.0 operating system. Oracle uses these WINSOCK2 features in Net8: <ul style="list-style-type: none">■ Overlapped I/O with events■ Shared sockets (can be enabled as an optional feature)	Appendix E, "Net8 Configuration" of <i>Oracle8i Administrator's Guide for Windows NT</i>

See Also: [Appendix A, "Individual Components Available for Installation"](#) for the installation types under which these individual components are installed

Advanced Installation Topics

This appendix describes advanced installation topics.

Specific topics discussed are:

- [Installing Oracle Components in Non-Interactive Mode](#)
- [Customizing Installations with Oracle Software Packager](#)
- [Installing and Using Oracle Components in Different Languages](#)

Installing Oracle Components in Non-Interactive Mode

Typically, you run Oracle Universal Installer in interactive mode, which means you are prompted to provide information in windows. However, experienced users can also run Oracle Universal Installer in non-interactive (also called silent) mode by using response files. These are text files containing variables and values used by Oracle Universal Installer during the installation process.

Silent installations are recommended in cases when no interaction with the user is intended or when a non-graphical terminal is used. The user needs to first edit a response file to specify the components to install. With Oracle Universal Installer (OUI) release 1.7.x or earlier, the target installation system still requires login to a desktop system on Windows NT.

Using silent installation enables you to bypass the graphical user interface (GUI) of Oracle Universal Installer interactive mode. Response files are available for the following components in the \RESPONSE directory on the component CD-ROM:

Response File Name	This File Silently Runs The...
SVRTYPICAL.RSP	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Typical installation type
SVRMINIMAL.RSP	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Minimal installation type
SVRCUSTOM.RSP	Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition Custom installation type
OMIOMS.RSP	Oracle8i Management and Integration Oracle Management Server installation type
OMIOID.RSP	Oracle8i Management and Integration Oracle Internet Directory installation type
OMIOIS.RSP	Oracle8i Management and Integration Oracle Integration Server installation type
OMICUSTOM.RSP	Oracle Management Infrastructure Custom installation type
CLIENTADMIN.RSP	Oracle8i Client Administrator installation type
CLIENTPROGMR.RSP	Oracle8i Client Programmer installation type
CLIENTAPPUSER.RSP	Oracle8i Client Application User installation type
CLIENTCUSTOM.RSP	Oracle8i Client Custom installation
DBCA.RSP	Oracle Database Configuration Assistant

Response File Name	This File Silently Runs The...
NETCA.RSP	Net8 Configuration Assistant to perform the configuration you receive with a Typical, Minimal, Administrator, Programmer, Application User, Oracle Integration Server, Oracle Management Server, or Oracle Internet Directory installation type.
EMCA.RSP	Oracle Enterprise Manager Configuration Assistant as a component or as part of a silent installation session to create a repository. See " Running Oracle Enterprise Manager Configuration Assistant in Silent Mode " on page C-4 for procedures.

Copying and Modifying a Response File

To copy and modify a response file:

1. Copy the appropriate files from the \RESPONSE directory on the component CD-ROM to your hard drive.
2. Choose Start > Programs > Oracle Installation Products > Universal Installer Concepts Guide.

The *Oracle Universal Installer Concepts Guide* appears in HTML format.

3. Modify the templates with any text file editor by following the instructions in both the response files and the *Oracle Universal Installer Concepts Guide*.

Running Oracle Universal Installer and Specifying a Response File

To run Oracle Universal Installer and specify the response file:

1. Go to the MS-DOS command prompt.
2. Go to the directory where Oracle Universal Installer is installed:

```
C:\PROGRAM FILES\ORACLE\OUI\INSTALL> SETUP.EXE -RESPONSEFILE FILENAME
[-SILENT] [-NOWELCOME]
```

Where...	Description
<i>FILENAME</i>	Identifies the specific response file
-SILENT	Runs Oracle Universal Installer in complete silent mode. The <i>Welcome</i> window is suppressed automatically. This parameter is optional. If you use -SILENT, -NOWELCOME is not necessary.
-NOWELCOME	Suppresses the <i>Welcome</i> window that appears during installation. This parameter is optional.

3. See *Oracle Universal Installer Concepts Guide* for more information.

Running Oracle Enterprise Manager Configuration Assistant in Silent Mode

You can silently run Oracle Enterprise Manager Configuration Assistant as a standalone component or as part of a silent installation session. You cannot perform some advanced features, such as repository upgrade, deletion, modification, and deinstallation from silent mode. These advanced features of Oracle Enterprise Manager Configuration Assistant must be performed in interactive mode.

Silently Running Oracle Enterprise Manager Configuration Assistant as a Standalone Component

To silently run Oracle Enterprise Manager Configuration Assistant as a standalone component:

1. Ensure that Oracle Management Server is installed on the computer on which to silently run Oracle Enterprise Manager Configuration Assistant.
2. Verify that `ORACLE_BASE\ORACLE_HOME\BIN` is set in the Windows NT or 2000 environment path.
3. Copy the EMCA.RSP response file from the `\RESPONSE` file directory of the component CD-ROM to a local directory.
4. Edit EMCA.RSP by following the instructions in the file.

Note: Ensure that the value specified for the repository user's `USERNAME` variable in the EMCA.RSP file is unique across your network.

5. Navigate to `ORACLE_BASE\ORACLE_HOME\BIN`.
6. Run EMCA.RSP from the command prompt:

```
C:\ORACLE_BASE\ORACLE_HOME\BIN> EMCA -RESPONSEFILE PATH\EMCA.RSP -SILENT
```

where `PATH` is the path to EMCA.RSP. For example, `C:\TEMP`.

Running Oracle Enterprise Manager Configuration Assistant in a Silent Installation Session

To run Oracle Enterprise Manager Configuration Assistant in a silent installation session:

1. Copy the parent installation response file to a local directory. Oracle Management Server, which must be installed with the parent silent installation, is only available for installation in the following parent response files:
 - SVRTYPICAL.RSP
 - SVRCUSTOM.RSP
 - OMIOMS.RSP
 - OMICUSTOM.RSP
2. Edit the file by following the instructions in that file.
3. Ensure that Oracle Enterprise Manager Configuration Assistant starts in silent mode by editing the following variables in the [oracle.sysman.oms_2.2.0.0.0] section of the parent response file:

```
OPTIONAL_CONFIG_TOOLS  
ServerRepository_index  
EMCARspFileLocation
```

Note: On Windows NT or 2000, the OPTIONAL_CONFIG_TOOLS variable must be set to EMCA.BAT.

4. Copy the EMCA.RSP response file to a local directory.
5. Edit EMCA.RSP by following the instructions in the file.

Note: Ensure that the value specified for the repository user's USERNAME variable in EMCA.RSP is unique across your network.

6. Go to the directory where Oracle Universal Installer is installed.

7. Run the parent response file. This automatically starts the Oracle Enterprise Manager Configuration Assistant response file (EMCA.RSP) when silent installation is complete.

```
C:\> SETUP.EXE -RESPONSEFILE PATH\PARENT_RESPONSE_FILE_NAME -SILENT
```

An example of an updated [oracle.sysman.oms_2.2.0.0.0] section of a parent response file for Windows NT/2000 is partially shown below:

```
[oracle.sysman.oms_2.2.0.0.0]
#-----
# Name          : OPTIONAL_CONFIG_TOOLS
# Datatype     : StringList
# Description   : List of Optional Config tools to launch. Following are
# possible values.
# emca.bat: Enterprise Manager Configuration Assistant
# Example value : {"emca.bat"}
# Default value : {"emca.bat"}
#-----
OPTIONAL_CONFIG_TOOLS={"emca.bat"}
#-----
# Name          : EMCARspFileLocation
# Datatype     : String
# Description   : Path to a customized copy of a response file for EMCA
# based on the emca.rsp provided with the release
# Valid values  : Full path to any valied EMCA response file
# Example value : "C:\TEMP\EMCA.RSP"
# Default value : None
# Mandatory    : Yes
#-----
EMCARspFileLocation="C:\TEMP\EMCA.RSP"
#-----
# Name          : ServerRepository_index
# Datatype     : Number
```

```
# Description   : Set to "1" to create a new repository
```

```
# Valid value   : "1"
```

```
# Example value : "1"
```

```
# Default value : "1"
```

```
# Mandatory    : Yes
```

```
#-----
```

```
ServerRepository_index=1
```

Customizing Installations with Oracle Software Packager

Oracle Software Packager enables application developers to create customized component installations with Oracle Universal Installer. Oracle Software Packager provides the following features:

Feature	Description
Step-by-step wizards	Enables you to define all installation properties for your computer using a graphical interface
Code block grammar	Enables you to define calculations and conditions with Oracle Software Packager's own code language, which uses similar constructs to C/C++ and Java
Extensible Java libraries	Enables you to perform tasks through predefined action, query, and dialog libraries, including copying files, setting environment variables, and creating registry entries. Custom Java libraries can be imported into Oracle Software Packager for your specific needs.
Easy integration with other component installations	Does not require editing access to an installation definition for it to be defined as a dependent of the component being packaged. This makes it easy for customers, independent software vendors (ISVs), and value-added resellers (VARs) to integrate multiple components into one common bundle.

To find out more about Oracle Software Packager:

1. Visit the Oracle Technology Network:
<http://technet.oracle.com/>
2. Choose Documentation.
3. Choose Software Packager.
4. Enter your Oracle Technology Network user name and password when prompted.

Note: If you do not have a user name and password, choose Cancel. You are directed to a site at which you can become a free member of the Oracle Technology Network.

5. Choose the *Oracle Software Packager User's Guide*.

Installing and Using Oracle Components in Different Languages

This section describes the following features:

- [Running Oracle Universal Installer in Different Languages](#)
- [Using Oracle Components in Different Languages](#)

Running Oracle Universal Installer in Different Languages

Oracle Universal Installer runs by default in the selected language of your operating system. Oracle Universal Installer can also be run in the following languages:

- Brazilian Portuguese
- German
- Japanese
- Simplified Chinese
- French
- Italian
- Korean
- Spanish

To run Oracle Universal Installer in a different language:

1. Change the language in which your operating system is running. For example, on Windows NT:
 - a. Choose Start > Settings > Control Panel > Regional Settings.
 - b. Select a language from the above list and choose OK.
2. Run Oracle Universal Installer by following the instructions in "[Installing Oracle Components](#)" on page 5-5.

Note: The selected language is assigned to the NLS_LANG registry parameter.

See Also: Appendix C, "Oracle8i Configuration Parameters and the Registry" of *Oracle8i Administrator's Guide for Windows NT* for more information on using the registry

Using Oracle Components in Different Languages

You can select other languages in which to use Oracle components (for example, Net8 Configuration Assistant, Oracle Database Configuration Assistant, Oracle Enterprise Manager Configuration Assistant, and so on). Note that this does *not* change the language in which Oracle Universal Installer is run. For the Oracle component to run in the selected language, it must be the same as the language set for your operating system. You can change your operating system language in the Control Panel's Regional Settings window.

To use components in different languages:

1. Follow the instructions in "[Installing Oracle Components](#)" on page 5-5 to start Oracle Universal Installer.
2. Select the top-level component you want to install:
 - Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition
 - Oracle8i Client
 - Oracle8i Management and Integration
3. Select the Custom installation type.
The *Available Product Components* window appears.
4. Choose Product Languages.
The *Language Selection* window appears.
5. Select a language in which to use Oracle components from the Available Languages field.
6. Use the > arrow to move the language to the Selected Languages field and choose OK.
7. Select appropriate components for installation and choose Next.
After installation is complete, the dialog box wording, messages, and online help for the installed components display in the language you selected.

D

National Language Support

This appendix describes National Language Support (NLS).

Specific topics discussed are:

- [NLS_LANG Parameters](#)
- [Commonly Used Values for NLS_LANG](#)
- [NLS_LANG Settings in MS-DOS Mode and Batch Mode](#)

NLS_LANG Parameters

Oracle provides NLS that enables users to interact with a database in their own language, as defined by the NLS_LANG parameter. When you install Oracle8i components, the NLS_LANG parameter is registered by the Net8 Client installation script.

The default value of the NLS_LANG parameter at installation is either that of the existing NLS_LANG parameter of the currently selected Oracle home, or the default language of the operating system. The default language and NLS_LANG value mappings are listed under "[Commonly Used Values for NLS_LANG](#)" on page D-3.

The NLS_LANG parameter is stored in the registry under the HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\HOMEID\NLS_LANG subkey, where *ID* is the unique number identifying the Oracle home.

The NLS_LANG parameter uses the following format:

NLS_LANG = LANGUAGE_TERRITORY.CHARACTER_SET

where:

<i>LANGUAGE</i>	Specifies the language and conventions for displaying messages, day name, and month name.
<i>TERRITORY</i>	Specifies the territory and conventions for calculating week and day numbers.
<i>CHARACTER_SET</i>	Controls the character set used for displaying messages.

See Also:

- Appendix C of *Oracle8i Administrator's Guide for Windows NT* for more information on the subkey locations for multiple Oracle homes
- *Oracle8i National Language Support Guide* for information on the NLS_LANG parameter and NLS initialization parameters

Commonly Used Values for NLS_LANG

The following table lists commonly used NLS_LANG values for various languages:

Language	NLS_LANG Value
Arabic	ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256
Brazilian Portuguese	BRAZILIAN PORTUGUESE_BRAZIL.WE8ISO8859P1
Bulgarian	BULGARIAN_BULGARIA.CL8MSWIN1251
Canadian French	CANADIAN FRENCH_CANADA.WE8ISO8859P1
Catalan	CATALAN_CATALONIA.WE8ISO8859P1
Croatian	CROATIAN_CROATIA.EE8MSWIN1250
Czech	CZECH_CZECH REPUBLIC.EE8MSWIN1250
Danish	DANISH_DENMARK.WE8ISO8859P1
Dutch	DUTCH_THE NETHERLANDS.WE8ISO8859P1
Egyptian	ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256
English	AMERICAN_AMERICA.WE8ISO8859P1
English (United Kingdom)	ENGLISH_UNITED KINGDOM.WE8ISO8859P1
Estonian	ESTONIAN_ESTONIA.BLT8MSWIN1257
Finnish	FINNISH_FINLAND.WE8ISO8859P1
French	FRENCH_FRANCE.WE8ISO8859P1
German	GERMAN_GERMANY.WE8ISO8859P1
Greek	GREEK_GREECE.EL8MSWIN1253
Hebrew	HEBREW_ISRAEL.IW8MSWIN1255
Hungarian	HUNGARIAN_HUNGARY.EE8MSWIN1250
Icelandic	ICELANDIC_ICELAND.WE8ISO8859P1
Indonesian	INDONESIAN_INDONESIA.WE8ISO8859P1
Italian	ITALIAN_ITALY.WE8ISO8859P1
Japanese	JAPANESE_JAPAN.JA16SJIS
Korean	KOREAN_KOREA.KO16KSC5601

Language	NLS_LANG Value
Latin American Spanish	LATIN AMERICAN SPANISH_AMERICA.WE8ISO8859P1
Latvian	LATVIAN_LATVIA.BLT8MSWIN1257
Lithuanian	LITHUANIAN_LITHUANIA.BLT8MSWIN1257
Mexican Spanish	MEXICAN SPANISH_MEXICO.WE8ISO8859P1
Norwegian	NORWEGIAN_NORWAY.WE8ISO8859P1
Polish	POLISH_POLAND.EE8MSWIN1250
Portuguese	PORTUGUESE_PORTUGAL.WE8ISO8859P1
Romanian	ROMANIAN_ROMANIA.EE8MSWIN1250
Russian	RUSSIAN_CIS.CL8MSWIN1251
Simplified Chinese	SIMPLIFIED CHINESE_CHINA.ZHS16GBK
Slovak	SLOVAK_SLOVAKIA.EE8MSWIN1250
Spanish	SPANISH_SPAIN.WE8ISO8859P1
Swedish	SWEDISH_SWEDEN.WE8ISO8859P1
Thai	THAI_THAILAND.TH8TISASCII
Traditional Chinese	TRADITIONAL CHINESE_TAIWAN.ZHT16MSWIN950
Turkish	TURKISH_TURKEY.WE8ISO8859P9
Ukrainian	UKRAINIAN_UKRAINE.CL8MSWIN1251
Vietnamese	VIETNAMESE_VIETNAM.VN8MSWIN1258

NLS_LANG Settings in MS-DOS Mode and Batch Mode

When using the Oracle Internet Directory command line tools and Oracle utilities such as SQL*Plus, SQL Loader, Import, and Export in MS-DOS mode, the character set field of the NLS_LANG parameter for the session must first be set to the correct value.

Note: Oracle Internet Directory command line tools are run from the computer's MS-DOS command prompt. You do *not* need a UNIX emulation utility for Windows NT to run these tools. An emulation utility is only required for running Oracle Internet Directory's shell script tools. See *Oracle Internet Directory Administrator's Guide* for more information.

This is required because MS-DOS mode uses, with a few exceptions, a different character set (or code-page), for example, OEM code-page, from Windows (ANSI code-page), and the default Oracle home NLS_LANG parameter in the registry is always set to the appropriate Windows code-page. If the NLS_LANG parameter for the MS-DOS mode session is not set appropriately, error messages and data can be corrupted due to incorrect character set conversion.

For Japanese, Korean, Simplified Chinese, and Traditional Chinese, the OEM code-page is identical to the ANSI code-page. In this case, there is no need to set the NLS_LANG parameter in MS-DOS mode.

Similarly, in batch mode, set the correct character set value of the NLS_LANG by inserting a SET NLS_LANG command at the start of the batch procedure, according to the character set of the files to be processed in the procedure.

The following table lists the Oracle character sets that correspond to the OEM primary code-page in MS-DOS mode for each of the supported languages:

Language	Character Set
Arabic	AR8ASMO8X
Brazilian Portuguese	WE8PC850
Catalan	WE8PC850
Czech	EE8PC852
Danish	WE8PC850
Dutch	WE8PC850
English	US8PC437

Language	Character Set
Finnish	WE8PC850
French	WE8PC850
German	WE8PC850
Greek	EL8PC737
Hungarian	EE8PC852
Italian	WE8PC850
Japanese	JA16SJIS
Korean	KO16KSC5601
Latin American Spanish	WE8PC850
Norwegian	WE8PC850
Polish	EE8PC852
Portuguese	WE8PC850
Romanian	EE8PC852
Russian	RU8PC866
Simplified Chinese	ZHS16GBK
Slovak	EE8PC852
Slovenian	EE8PC852
Spanish	WE8PC850
Swedish	WE8PC850
Traditional Chinese	ZHT16MSWIN950
Turkish	TR8PC857

See Also: Chapter 11 of the *Oracle Internet Directory Administrator's Guide* for Oracle Internet Directory NLS issues and required NLS_LANG environment variables for the various components and tools in an Oracle Internet Directory environment

Installing and Removing Legato Components

This appendix describes how to install and remove Legato Storage Manager (LSM) components.

Specific topics discussed are:

- [LSM Server](#)
- [LSM Administrator GUI](#)

Note: You do *not* need to separately install these two Legato components on the same computer. The LSM server software includes LSM Administrator GUI. If you install LSM server, do *not* separately install LSM Administrator GUI on the same computer. To administer LSM server from a separate Windows NT or Windows 2000 computer, install LSM Administrator GUI on that Windows NT or Windows 2000 computer using the instructions in "[Installing LSM Administrator GUI](#)" on page E-7.

LSM Server

LSM server is a media management layer (MML). An MML, such as LSM, is required for backing up and restoring from tape storage if you are using Recovery Manager (RMAN) for Oracle database backups and restores. LSM is a scaled-down version of Legato NetWorker.

This section describes how to perform the following steps:

- [Updating LSM Server](#)
- [Installing LSM Server](#)
- [Removing LSM Server](#)

Note: If you install LSM server software according to the instructions in this section, you do *not* need to separately install LSM Administrator GUI on the same computer.

Updating LSM Server

To update to a newer version of LSM server on Windows NT:

1. Perform a partial removal of LSM server by following the steps in "[Removing LSM Server](#)" on page E-5 and selecting Partial Removal.
2. Install the updated version of LSM server by following the steps in "[Installing LSM Server](#)" on page E-3.

Installing LSM Server

Install LSM server without using Oracle Universal Installer.

To install LSM server:

1. Log on to the computer as a member of the Administrator's group of Windows NT or Windows 2000.
2. Shut down all Oracle instances on the Windows system, using SQL*Plus.
3. Stop all Oracle database services. Oracle database services are of the form OracleServiceSID.
 - a. Choose Start > Settings > Control Panel.
 - b. Choose Services.
 - c. Select OracleServiceSID, and choose Stop.
 - d. Choose Close to exit from the *Services* window.
4. Insert the component CD-ROM into the CD-ROM drive. The *Autorun* window appears.

If the *Autorun* window does not appear:

- a. Choose Start > Run.
- b. Enter the following:

```
DRIVE_LETTER:\AUTORUN\AUTORUN.EXE
```

The *Autorun* window appears.

5. Choose Explore CD.
6. Go to the LSM directory.
7. Double-click the LSM57_NT.EXE self-extracting zip file.
8. Specify a directory in which to unzip the files when prompted.
9. Double-click the LSMINST.EXE file icon.

When the installation is complete, the LSM server software is installed in the C:\WIN32APP\NSR directory by default.

Important: Running LSMINST.EXE installs the LSM server software in C:\WIN32APP\NSR by default. If you do *not* want LSM server installed in this directory due to insufficient space, lack of a C: drive, and so on, follow these instructions:

1. Copy the entire LSM directory from the CD-ROM to the drive in which you want to install LSM server.
2. Modify the SERVER.ISS file located in the LSM directory. Change Path=C:\WIN32APP\NSR\ to Path=<drive>:<pathname>. You can change either the drive name (from the default C:) or the directory pathname (from the default \WIN32APP\NSR\), or both. The Path must end with \NSR and must not contain any spaces. Save the updated SERVER.ISS file.
3. Double-click the LSMINST.EXE file icon.

Follow the instructions below to verify the installation.

10. Verify that Legato services have started:

- a. Choose Start > Settings > Control Panel.
- b. Double-click Services.
- c. Check that the Status of the following services is marked *Started*:

NetWorker Backup and Recover Server

NetWorker Power Monitor (on Windows 2000 only)

NetWorker Remote Exec Service

11. Add the LSM installation directory to your system search path:

- a. Open the Control Panel.
- b. Double-click System.
- c. Choose the Environment tab.
- d. Select Path from the System Variables list box.
- e. Add the following to the Value field:

;C:\WIN32APP\NSR\BIN

where the semicolon (;) separates the new entry from the existing entries. If you installed LSM in a nondefault drive or directory, replace C:\WIN32APP\NSR\BIN above with the correct drive and pathname, where the pathname always ends in \BIN.

- f. Choose Set.
- g. Choose OK.
- h. Restart your computer for all changes to take effect.

See Also: The "Media Management" section in the *Legato Storage Manager Administrator's Guide* for storage device configuration information

Removing LSM Server

Important: Do *not* remove your indexes if you are upgrading from LSM to Legato NetWorker Module for Oracle. Select Partial Removal. Ensure that you have a recent, full backup of the file indexes (\NSR\INDEX), server resource files (\NSR\RES), and media database (\NSR\MM) available. See the *Installation Guide* for the Legato NetWorker Module for the Oracle version to which you are upgrading.

You cannot remove LSM server using Oracle Universal Installer. Follow the steps below to remove the LSM server software.

To remove LSM server:

1. Log on to the computer as a member of the Administrator's group of Windows NT or Windows 2000.
2. Shut down all Oracle instances on the Windows system, using SQL*Plus.
3. Stop all Oracle database services. Oracle database services are of the form OracleService*SID*.
 - a. Choose Start > Settings > Control Panel.
 - b. Double-click Services.
 - c. Select OracleService*SID*, and choose Stop.
 - d. Choose Close to exit from the *Services* window.
4. Choose Start > Programs > NetWorker Group > Uninstall NetWorker.
5. Select either Complete Removal or Partial Removal.

Note: Select Complete Removal only if you want to remove all your database, index, and resource files.

The NetWorker Uninstaller removes LSM from your computer.

6. If you are updating from a previous version of the LSM server software on Windows NT, remove the interface file, ORASBT.DLL, from the C:\WINNT\SYSTEM32 directory, where WINNT is the installation directory for Windows NT.
7. If you selected Partial Removal, be sure to remove the NSR\BIN directory manually. For example, if LSM was installed in the default directory, be sure to remove the C:\WIN32APP\NSR\BIN directory.

LSM Administrator GUI

If you want to administer LSM server from a separate Windows NT or Windows 2000 computer, you need to install LSM Administrator GUI (included on the component CD-ROM) on the computer.

This section describes how to perform the following steps:

- [Updating LSM Administrator GUI](#)
- [Installing LSM Administrator GUI](#)
- [Removing LSM Administrator GUI](#)

Updating LSM Administrator GUI

To update to a newer version of LSM Administrator GUI on your Windows NT client computer:

1. Perform a complete removal of the existing LSM Administrator GUI using the procedure in "[Removing LSM Administrator GUI](#)" on page E-8.
2. Install the updated version of LSM Administrator GUI using the procedure in "[Installing LSM Administrator GUI](#)" on page E-7.

Installing LSM Administrator GUI

If you plan to use LSM server to back up to tape, and want to administer LSM server from a Windows NT or Windows 2000 client computer, you need to install LSM Administrator GUI on the client computer.

Note: Installation of LSM Administrator GUI is supported only on Windows NT and Windows 2000. Also, before you install LSM Administrator GUI, be sure that LSM server and NetWorker software are *not* currently installed on your Windows NT or Windows 2000 client computer.

To install LSM Administrator GUI on your Windows NT or Windows 2000 client computer:

1. Log on to the computer as a member of the Administrator's group of Windows NT or Windows 2000.
2. Insert the component CD-ROM into your CD-ROM drive.
3. Navigate to the LSM folder on the CD-ROM.
4. Double-click the LSM57_NT.EXE self-extracting zip file.
5. Specify a directory in which to unzip the files when prompted.
6. Double-click the SETUP.EXE icon, or run SETUP.EXE from the MS-DOS command prompt without any command options. *SETUP Options* appears.
7. Select *Client Only* and choose Next.
8. Choose Next in the *Choose destination directory* window to accept the default destination directory, C:\Program Files\NSR, for LSM Administrator GUI installation. To choose an alternate destination directory for the installation, choose Browse and select the desired location.
9. Leave the field blank and choose Next in the *Authorize NetWorker Servers* window.
A message box appears stating that the software has been installed successfully.
10. Choose OK.

11. Verify that Legato services have started:
 - a. Choose Start > Settings > Control Panel.
 - b. Double-click Services.
 - c. Check that the Status of the following services is marked *Started*:

NetWorker Power Monitor (on Windows 2000 only)

NetWorker Remote Exec

See Also: *Legato Storage Manager Administrator's Guide* for more information on using LSM Administrator GUI

Removing LSM Administrator GUI

To remove LSM Administrator GUI from your Windows NT or Windows 2000 client computer:

1. Log on to the computer as a member of the Administrator's group of Windows NT or Windows 2000.
2. Shut down all Oracle instances on the Windows system, using SQL*Plus.
3. Stop all Oracle database services. Oracle database services are of the form OracleServiceSID.
 - a. Choose Start > Settings > Control Panel.
 - b. Double-click Services.
 - c. Select OracleServiceSID, and choose Stop.
 - d. Choose Close to exit from the *Services* window.
4. Choose Start > Programs > NetWorker Group > Uninstall NetWorker.
5. Select Complete as the uninstall option in the *Uninstall NetWorker* window, and choose OK.
6. When a message box appears stating that the client has been removed successfully, choose OK.

Getting Started with Your Documentation

This appendix introduces you to the documentation set.

Specific topics discussed are:

- [Documentation Formats](#)
- [Documentation Types](#)

See Also:

- ["Viewing Documentation on the CD-ROM"](#) on page 1-8 for instructions on viewing the Oracle8i Server Online Documentation from the CD-ROM
 - ["Installing and Viewing the Oracle8i Server Online Documentation"](#) on page 5-38 for instructions on installing the Oracle8i Server Online Documentation on your hard drive
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-

Note: The Oracle8i Server Online Documentation CD-ROM does not include this installation guide or the *Oracle8i Release Notes for Windows NT*. Access those documents after installation by:

- Choosing Start > Programs > Oracle - *Home Name* > Installation Guide and Release Notes
- Clicking INSTALL.HTM in the \DOC directory on your hard drive

You can also access those documents on the component CD-ROM by clicking INDEX.HTM in the \DOC directory.

Documentation Formats

The Oracle documentation library is included on a separate Oracle8i Server Online Documentation CD-ROM. This table describes the format and availability of Oracle8i Server Online Documentation and the tools required to view them.

Format	Availability	Tools Required
Hypertext Markup Language (HTML)	Oracle documentation is available in HTML.	Use a Web browser to view your HTML documentation set. The Oracle Information Navigator, a tool that enables you to search your entire HTML documentation library for information, is also available for viewing your HTML documentation set. See " Installing and Viewing the Oracle8i Server Online Documentation " on page 5-38 for information on Web browser requirements.
Portable Document Format (PDF)	Oracle documentation is available in PDF.	Use Adobe Acrobat Reader to view your PDF documentation set. See " Installing and Viewing the Oracle8i Server Online Documentation " on page 5-38 for information on Adobe Acrobat Reader requirements.
Text file format	Some Oracle components are also documented in README files located in the <i>ORACLE_BASE\ORACLE_HOME\RELNOTES</i> directory.	Use an ASCII text editor.
Printed	The How To Get Started CD-ROM insert describes how to access your Oracle documentation and get started with installation.	None required.

Note: To order printed guides, contact:

<http://oraclestore.oracle.com/>

Documentation Types

Your Oracle8i Server Online Documentation consists of two types of documentation.

Documentation Type	Describes...
Operating system-specific	Installation, configuration, and use of Oracle8i components in a Windows NT, Windows 95, Windows 98, or Windows 2000 environment. Operating system-specific documents are occasionally referred to in the generic documentation set. These documents are easy to identify because their titles typically mention their specific operating system or make reference to a Microsoft feature.
Generic	<p>Oracle8i, Net8 networking information, and application programming interface (API) information that is uniform across all operating system platforms. Most of the documents in your documentation set belong to this category. While reading through the generic documentation set, you are occasionally asked to refer to your platform-specific or operating system-specific documentation for procedures specific to the Windows NT, Windows 95, or Windows 98 operating systems.</p> <p>To easily identify where these generic documentation references are described in your operating system documentation, see the index of this guide and the <i>Oracle8i Administrator's Guide for Windows NT</i> for the following entry:</p> <p>generic documentation references</p> <p>All generic documentation references described in this guide appear under this index entry.</p>

IMPORTANT: Documentation may be included in your package detailing components that you did not buy or license, or whose functionality is not included in the current release. The presence of such documentation does not mean that these components are included in your package or that you are licensed to use them.

Online Documentation Set

Your Oracle8i Server Online Documentation is divided into the following categories:

- [Oracle8i for Windows](#)
- [Oracle8i Documentation Addendum](#)
- [Oracle8i Generic Documentation Master Index and Master Glossary](#)
- [Oracle8i Server and SQL*Plus](#)
- [Oracle8i Server Application Development](#)
- [Oracle8i Directory, Networking, and Security](#)
- [Oracle Enterprise Manager](#)
- [Oracle8i Java Documentation](#)
- [Oracle8i Integration Server](#)
- [Oracle8i Parallel Server](#)
- [Oracle8i interMedia, Spatial, Time Series, and Visual Information Retrieval Options](#)
- [Oracle WebDB](#)

Note: Some manuals have not been updated for this release. The header at the top of each HTML page indicates the most recent revision for that document. An asterisk (*) by a title in the HTML table of contents indicates that a manual is from an earlier release and that some updated information can be found in the Oracle8i Documentation Addendum.

Note: Oracle Migration Workbench documentation is not included on the Oracle8i Server Online Documentation CD-ROM. The documentation is included in the \OMWB directory after Oracle Migration Workbench installation. You can also visit the Oracle Technology Network for the latest Oracle Migration Workbench documentation:

<http://technet.oracle.com/>

Oracle8i for Windows

1. Master Index

- *Oracle8i Windows Documentation Master Index*

2. Administration, Concepts, and Reference

- *Oracle8i Administrator's Guide for Windows NT*
- *Oracle Parallel Server Administrator's Guide for Windows NT*

3. SQL*Plus

- *SQL*Plus Getting Started for Windows*

4. Language and Interfaces

- *Oracle Call Interface Getting Started for Windows*
- *Pro*C/C++ Precompiler Getting Started for Windows*
- *Pro*COBOL Precompiler Getting Started for Windows*

5. Application Development

- *Oracle COM Automation Developer's Guide*
- *Oracle Objects for OLE*
- *Oracle Objects for OLE C++ Class Library*
- *Oracle Provider for OLE DB User's Guide*
- *Using Microsoft Transaction Server With Oracle8*

6. Oracle Message Broker

- *Oracle Message Broker Installation Guide for Windows NT*
(for preinstallation and post-installation information)

7. Oracle Applications InterConnect

Oracle Applications InterConnect Installation Guide
(for preinstallation, installation, and post-installation information)

8. Legato Storage Manager for Windows

- *Legato Storage Manager Administrator's Guide for Windows 2000 and NT*
- *Legato Storage Manager Command Reference Guide for Windows 2000 and NT*

Oracle8i Documentation Addendum

- *Oracle8i Documentation Addendum*

Oracle8i Generic Documentation Master Index and Master Glossary

- *Oracle8i Generic Documentation Master Index*
- *Oracle8i Generic Documentation Master Glossary*

Oracle8i Server and SQL*Plus

1. Administration, Concepts, and Reference

- *Getting to Know Oracle8i*
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- *Oracle8i Concepts*
- *Oracle8i Designing and Tuning for Performance **
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- *Oracle8i Reference*
- *Oracle8i SQL Reference **
- *Oracle8i Supplied Java Packages Reference*
- *Oracle8i Supplied PL/SQL Packages Reference **
- *Oracle8i Utilities*

2. Backup and Recovery

- *Oracle8i Backup and Recovery Guide*
- *Oracle8i Recovery Manager User's Guide and Reference **
- *Oracle8i Standby Database Concepts and Administration **
- *Legato Storage Manager Administrator's Guide*

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- *SQL*Plus User's Guide and Reference*
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- *SQL*Plus Accessibility Guide for Windows*

4. Data Warehousing

- *Oracle8i Data Warehousing Guide*

5. Distributed Databases and Replication

- *Oracle8i Distributed Database Systems*
- *Oracle8i Replication **
- *Oracle8i Replication Management API Reference **

Oracle8i Server Application Development**1. Application Development**

- *Oracle8i Application Developer's Guide - Fundamentals*
- *Oracle8i Application Developer's Guide - Advanced Queuing*
- *Oracle8i Application Developer's Guide - Object-Relational Features*
- *Oracle8i Application Developer's Guide - Large Objects (LOBs)*
- *Oracle8i Application Developer's Guide - XML*
- *Oracle8i Data Cartridge Developer's Guide*

2. Language and Interface

- *Oracle Call Interface Programmer's Guide*
 - *PL/SQL User's Guide and Reference*
 - *Pro*C/C++ Precompiler Programmer's Guide*
 - *Pro*COBOL Precompiler Programmer's Guide*
 - *SQL*Module for Ada Programmer's Guide*
-

3. Application Reference

- *Oracle8i SQL Reference*
- *Oracle8i Supplied Java Packages Reference*
- *Oracle8i Supplied PL/SQL Packages Reference **
- *Oracle8i XML Reference*

Oracle8i Directory, Networking, and Security

1. Networking and Security

- *Net8 Administrator's Guide **
- *Oracle Advanced Security Administrator's Guide*

2. Oracle Internet Directory, Release 2.1.1

- *Oracle Internet Directory Administrator's Guide*
- *Oracle Internet Directory Application Developer's Guide*

Oracle Enterprise Manager

- *Oracle Enterprise Manager Administrator's Guide*
- *Oracle Enterprise Manager Concepts Guide*
- *Oracle Enterprise Manager Configuration Guide*
- *Oracle Enterprise Manager Messages Manual*
- *Oracle Intelligent Agent User's Guide*
- *Oracle SNMP Support Reference Guide*

Oracle8i Java Documentation

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- *Oracle8i Enterprise JavaBeans Developer's Guide and Reference*
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Oracle8i Integration Server

1. **Oracle8i Integration Server**
 - *Oracle8i Integration Server Overview*
2. **Oracle Applications Interconnect, Release 3.1.3**
 - *Oracle Applications Interconnect User's Guide*
3. **Oracle Message Broker, Release 2.0.1**
 - *Oracle Message Broker Administration Guide*
 - *Oracle Message Broker Release Notes*
4. **Oracle Workflow, Release 2.5.2**
 - *Oracle Workflow Guide*
 - *Oracle Workflow Installation Supplement*

5. Other Related Component Documentation

- *Oracle Enterprise Manager Administrator's Guide*
- *Oracle Internet Directory Application Developer's Guide*
- *Oracle8i Application Developer's Guide - Advanced Queuing*
- *Oracle8i CORBA Developer's Guide and Reference*
- *Oracle8i Distributed Database Systems*
- *Oracle8i Replication **

Oracle8i Parallel Server

- *Oracle8i Parallel Server Documentation Online Roadmap*
- *Oracle8i Parallel Server Concepts **
- *Oracle8i Parallel Server Setup and Configuration Guide*
- *Oracle8i Parallel Server Administration, Deployment, and Performance*

Oracle8i *interMedia*, Spatial, Time Series, and Visual Information Retrieval Options

1. Oracle8i *interMedia* Options

- *Oracle8i interMedia Text Migration*
- *Oracle8i interMedia Text Reference **
- *Oracle interMedia Audio, Image, and Video User's Guide and Reference*
- *Oracle interMedia Audio, Image, and Video Java Classes User's Guide and Reference*
- *Oracle interMedia Locator User's Guide and Reference*

2. Oracle Spatial, Time Series, and Visual Information Retrieval Options

- *Oracle Spatial User's Guide and Reference*
- *Oracle8i Time Series User's Guide*
- *Oracle Visual Information Retrieval User's Guide and Reference*
- *Oracle Visual Information Retrieval Java Classes User's Guide and Reference*

Oracle WebDB

- *Oracle WebDB Tutorial*
- *Oracle WebDB Installation Guide*
- *Oracle WebDB Release Notes*
- *Oracle WebDB Creating and Managing Components - Task Help*
- *Oracle WebDB Creating and Managing Components - Field-Level Help*
- *Oracle WebDB Creating and Managing Sites - Task Help*
- *Oracle WebDB Creating and Managing Sites - Field-Level Help*

Glossary

administrative context

A directory entry under which an Oracle Context resides. An administrative context can be a directory naming context. During directory access configuration, clients are configured with an administrative context in the directory configuration file (LDAP.ORA). The administrative context specifies the location of the Oracle Context in the directory whose entries a client expects to access. On Windows 2000, your domain is your administrative context.

cluster

A cluster generally comprises two or more computers, or "nodes." Oracle Parallel Server software and a collection of hardware, known as a "cluster," unite the processing power of each component to become a single, robust computing environment. Oracle Parallel Server is a robust computing environment that harnesses the processing power of multiple, interconnected computers.

connect descriptor

A specially formatted description of the destination for a network connection. A connect descriptor contains destination service and network route information.

The destination service is indicated by using its service name for the Oracle8i database or its Oracle system identifier (SID) for Oracle release 8.0 or version 7 databases. The network route provides, at a minimum, the location of the listener through use of a network address.

connect identifier

A name, net service name, or service name that resolves to a connect descriptor. Users initiate a connect request by passing a user name and password along with a connect identifier in a connect string for the service to which they want to connect, for example:

```
SQL> CONNECT USERNAME/PASSWORD@CONNECT_IDENTIFIER
```

default domain

The network domain within which most client requests take place. It can be the domain where the client resides, or a domain from which the client often requests network services. The default domain is also the client configuration parameter that determines what domain to append to unqualified network name requests. A name request is unqualified if it does not have a "." character within it.

Directory Information Tree (DIT)

A hierarchical tree-like structure in a directory server of the Distinguished Names (DNs) of the entries.

directory naming context

A subtree which is of significance within a directory server. It is usually the top of some organizational subtree. Some directories only allow one such context that is fixed; others allow none to many to be configured by the directory administrator.

directory naming method

A naming method that resolves a database service or net service name to a connect descriptor, stored in a central directory server.

A directory provides central administration of database services and net service names, reducing the work effort associated with adding or relocating services. Although net service names can be configured to alias a service, the directory can refer to a database service directly without using a net service name. To further aid with configuration ease, the database service is automatically added as an entry to the directory during installation.

directory server

An LDAP-compliant directory server that is accessed with the Lightweight Directory Access Protocol (LDAP). A directory can provide centralized storage and retrieval of database network components, user and corporate policies preferences, user authentication, and security information, replacing client-side and server-side localized files.

external routines

A PL/SQL routine executing on an Oracle server can call an external procedure or function that is written in the C programming language and stored in a shared library. In order for the Oracle8i database to connect to external routines, the server must be configured with a net service name and the listener must be configured with protocol address and service information. External routines were previously known as external procedures.

IPC

A protocol used by client applications that reside on the same node as the listener to communicate with the database.

installation types

When you run Oracle Universal Installer from the component CD-ROM, you are prompted to install an installation type. Each installation type contains a series of individual components. The following installation types are available for installation:

With This Top-Level Component...	These Installation Types Are Available...
Oracle8i Enterprise Edition, Oracle8i, or Oracle8i Personal Edition	<ul style="list-style-type: none">▪ Typical▪ Minimal▪ Custom
Oracle8i Client	<ul style="list-style-type: none">▪ Administrator▪ Programmer▪ Application User▪ Custom
Oracle8i Management and Integration	<ul style="list-style-type: none">▪ Oracle Management Server▪ Oracle Internet Directory▪ Oracle Integration Server▪ Custom

See Also: [Appendix A, "Individual Components Available for Installation"](#) for a list of individual components installed with each installation type

LDAP.ORA file

A file created by the Net8 Configuration Assistant that contains the following directory access information:

- Type of directory
- Location of directory
- Default administrative context the client or server uses to look up or configure connect identifiers for connections to database services

The LDAP.ORA file resides in *ORACLE_BASE\ORACLE_HOME\NETWORK\ADMIN*.

listener

A process that resides on the server whose responsibility is to listen for incoming client connection requests and manage the traffic to the server.

Every time a client requests a network session with a server, a listener receives the actual request. If the client's information matches the listener's information, the listener grants a connection to the server.

LISTENER.ORA file

A configuration file for the listener that identifies the:

- Listener name
- Protocol addresses on which it is accepting connection requests
- Services for which it is listening

The LISTENER.ORA file resides in *ORACLE_BASE\ORACLE_HOME\NETWORK\ADMIN*.

An Oracle8i database does not require identification of the database service because of service registration. However, static service configuration is required for an Oracle8i database if you plan to use Oracle Enterprise Manager.

local naming method

A naming method that resolves a net service name, stored in a client's TNSNAMES.ORA file, to the network address and identification of the service. Local naming is most appropriate for simple distributed networks with a small number of services that change infrequently.

naming method

A resolution method used by a client application to resolve a connect identifier to a network address when attempting to connect to a database service. Net8 supports the following naming methods:

- Local naming
- Directory naming
- Oracle Names
- Host naming
- External naming

net service name

A simple name for a service that resolves to a connect descriptor. Users initiate a connect request by passing a user name and password along with a net service name in a connect string for the service to which they want to connect:

```
SQL> CONNECT USERNAME/PASSWORD@NET_SERVICE_NAME
```

Depending on your needs, net service names can be stored in a variety of places, including:

- Local configuration file, TNSNAMES.ORA, on each client
- Directory server
- Oracle Names server
- External naming service, such as Novell Directory Services (NDS), Network Information Service (NIS), or Cell Directory Service (CDS)

operating system authenticated connections

Windows NT login credentials can be used to authenticate users connecting to an Oracle8i database. The benefits of Windows NT native authentication include:

- Enabling users to connect to multiple Oracle8i databases without supplying a user name or password
- Centralizing Oracle8i database user authorization information in Windows NT, which frees Oracle8i from storing or managing user passwords

OPSS

The initialization file parameter `OS_AUTHENT_PREFIX` enables users to specify a prefix that Oracle uses to authenticate users attempting to connect to the database. Oracle concatenates the value of this parameter to the beginning of the user's operating system account name and password. When a connection request is attempted, Oracle compares the prefixed user name with Oracle user names in the database.

The default value of this parameter is "" (a null string), thereby eliminating the addition of any prefix to operating system account names. In earlier releases, `OPSS` (short for operating system specific) was the default setting.

Oracle Context

The root of a directory subtree with a relative distinguished name of `cn=OracleContext`, under which all Oracle software information is kept. There may be one (or more than one) Oracle Context in a directory. An Oracle Context can be associated with a directory naming context.

The Oracle Context can contain the following Oracle entries:

- Connect identifiers for use with Net8 directory naming to make database connections
- Enterprise user security for use with Oracle Advanced Security

Oracle home name

The name of the current Oracle home. Each Oracle home has a home name that distinguishes it from all other Oracle homes on your computer. During installation, you are prompted to enter an Oracle home name in the Name field of the Oracle Universal Installer's *File Locations* window.

Oracle home

The directory path in which to install Oracle components (for example, D:\Oracle\Ora81). You are prompted to enter an Oracle home in the Path field of the Oracle Universal Installer's *File Locations* window.

Oracle Management Server

The middle tier of Oracle Enterprise Manager, which provides centralized intelligence and distribution control between console clients and managed nodes.

Oracle schema

A set of rules that determine what can be stored in an LDAP-compliant directory server. Oracle has its own schema that is applied to many types of Oracle entries, including Net8 entries. The Oracle schema for Net8 entries includes the attributes the entries may contain.

Oracle8i

One of the available Oracle8i database types. Oracle8i does not include Oracle Parallel Server, Oracle Advanced Security, Oracle Partitioning, Oracle Spatial, Oracle Time Series, Oracle Visual Information Retrieval, and Oracle Visual Information Retrieval Client.

Oracle8i Enterprise Edition

The complete database type.

Oracle8i Server Online Documentation CD-ROM

The CD-ROM in your kit that includes the Oracle8i Server Online Documentation. The Oracle8i Server Online Documentation CD-ROM is separate from the component CD-ROM. The Oracle8i Server Online Documentation CD-ROM does not include this installation guide or the *Oracle8i Release Notes for Windows NT*. Those documents are only included on the component CD-ROM.

Oracle8i Personal Edition for Windows NT

One of the available Oracle8i database types. Oracle8i Personal Edition for Windows NT does not include Oracle Parallel Server.

protocol address

An address that identifies the network address of a network object.

When a connection is made, the client and the receiver of the request, such as the listener, Oracle Names Server, or Oracle Connection Manager, are configured with identical protocol addresses. The client uses this address to send the connection request to a particular network object location, and the recipient "listens" for requests on this address. It is important to install the same protocols for the client and the connection recipient, as well as configure the same addresses.

A protocol used by client applications that reside on the same node as the listener to communicate with the database.

repository

A set of tables in an Oracle database that store information regarding the state of services managed and monitored by Oracle Enterprise Manager, as well as information about the separately licensable management packs. It is used as a back-end store by the Oracle Management Server(s).

SQLNET.ORA file

A configuration file for the client or server that specifies the:

- Client domain to append to unqualified service names or net service names
- Order of naming methods for the client to use when resolving a name
- Logging and tracing features to use
- Route of connections
- Preferred Oracle Names servers
- External naming parameters
- Oracle Advanced Security parameters

The SQLNET.ORA file resides in *ORACLE_BASE\ORACLE_HOME\NETWORK\ADMIN*.

service registration

A feature by which the PMON process (an instance background process) automatically registers information with a listener. Because this information is registered with the listener, the LISTENER.ORA file does not need to be configured with this static information.

Service registration provides the listener with the following information:

- Service name(s) for each running instance of the database
- Instance name(s) of the database
- Service handlers (dispatchers and dedicated servers) available for each instance

This allows the listener to direct a client's request appropriately.

- Dispatcher, instance, and node load information

This allows the listener to determine which dispatcher can best handle a client connection's request. If all dispatchers are blocked, the listener can spawn a dedicated server for the connection.

This information allows the listener to determine how best to service a client connection request.

TNSNAMES.ORA file

A configuration file that contains net service names mapped to connect descriptors. This file is used for the local naming method. The TNSNAMES.ORA file resides in *ORACLE_BASE\ORACLE_HOME\NETWORK\ADMIN*.

top-level components

When you run Oracle Universal Installer from the component CD-ROM, you are prompted in the *Available Products* window to install a top-level component. Each top-level component contains several installation types from which to choose. Each installation type contains a series of individual components. See "[installation types](#)" on page Glossary-3 for a list of installation types available with each top-level component.

unqualified name

A net service name that does not contain a network domain.

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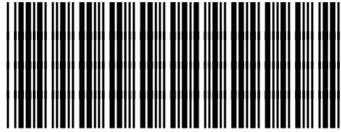
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