Oracle8 Enterprise Edition™

Release Notes

Release 8.0.6 for Windows NT

September 20, 1999

Part No. A69516-01

These *Release Notes* provide important last minute information not included in the documentation set. Topics include:

Attention: Review these *Release Notes* before installing or using your Oracle products.

Note: Database information in these *Release Notes* applies only to Windows platforms databases. If you are using Windows platforms client products with a UNIX database, refer to your UNIX database documentation.

Windows 2000 Support

The Oracle8 database has been tested against Windows 2000 Release Candidate 1, but because the operating system is a Beta version there may be unexpected problems. Oracle Corporation does not recommend that production databases be deployed on this operating system version.

Installation Issues

1. Verify System Requirements. Ensure that the system requirements in the installation documentation have been met.
2. You must have Administrative privileges to install. Before beginning installation, ensure that you are logged on as a user with Administrative privileges.
3. Post-installation Recommendation. Oracle Corporation recommends running the UTLRP.SQL script found in the *ORACLE_HOME*/RDBMS80/ADMIN directory after creating, upgrading or migrating a database. This script should be run by user SYS, there should be no other DDL running on the database while it is running, and packages STANDARD and DBMS_STANDARD must already be valid. This script recompiles all PL/SQL modules that may be in an INVALID state, including packages, procedures, types, etc. This step is optional, but recommended as the cost of recompilation is incurred during the installation rather than in the future.

Installing on a Cluster Drive

Install Oracle8 Enterprise Edition or Oracle8 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 on a disk that could be owned or mounted by more than one system.

Advanced users using Oracle on cluster drives must refer to their Oracle Fail Safe or Oracle Parallel Server documentation before attempting installation.

ORAINST.LOG Functionality

Installation events are not logged to *ORACLE_HOME*\ORAINST\ORAINST.LOG by default in the version of Oracle Installer that ships with release 8.0.6. Installation events are only logged to ORAINST.LOG if this option is turned on during Custom installation.

To enable logging of installation events:

1. Select Custom Installation from the *Select Installation Options* dialog box.

   The *Software Asset Manager* window appears.

2. Click the Options button.

   The *Option* dialog box appears.

3. Select the Log Installer Actions check box and click OK.

Once Log Installer Actions is enabled, installation events are logged to ORAINST.LOG during all subsequent Custom installations until the option is explicitly turned off.

Installation events are not recorded for Typical installations.

Net8

SPAWN Command in Listener Control Utility

The SPAWN command is not supported on Windows Platforms.

Pro*COBOL

In Chapter 2, "Building Pro*COBOL Applications" of *Pro*COBOL Precompiler Getting Started for Windows NT and Windows 95/98* replace the sections "Fujitsu Compiler", "MERANT Micro Focus Compiler", and "The PROCOB_DFLT Configuration Parameter" with the following sections.

Also, replace the "Using Fujitsu COBOL PROGRAMMING-STAFF" section with "Using Fujitsu COBOL Project Manager" in these *Release Notes*.

Fujitsu Compiler

The sample directories for release 8.0.6 and release 1.8.28 contain a batch file called FJMAKEIT.BAT.

For release 8.0.6, this batch file does the following:

```
procob80  iname=%1.pco ireclen=132 maxliteral=160 comp5=yes
cobol32 -M %1.cbl
link %1.obj f3bicimp.lib libc.lib kernel32.lib user32.lib
/out:%1.exe ORACLE_HOME\pro80\lib\sqllib80.lib
```

For release 1.8.28, this batch file does the following:

```
procob18 iname=%1.pco ireclen=132 maxliteral=160 comp5=yes
cobol32 -M %1.cbl
link %1.obj f3bicimp.lib libc.lib kernel32.lib user32.lib
/out:%1.exe ORACLE_HOME\pro18\lib\sqllib80.lib
```

To build the sample programs, run this batch file with any sample file. Do not provide the file extension. For example:

```
FJMAKEIT sample1
```

MERANT Micro Focus Compiler

The sample directories for release 8.0.6 and release 1.8.28 contain a batch file called MAKEIT.BAT. For release 8.0.6, this batch file does the following:

```
procob80 iname=%1.pco ireclen=132
cobol %1 /anim /litlink makesyn "COMP-5" = "COMP";
cbllink %1 /M%1 ORACLE_HOME\pro80\lib\sqllib80.lib
```

For release 1.8.28, this batch file does the following:

```
procob18 iname=%1.pco ireclen=132
cobol %1 /ganim /litlink makesyn "COMP-5" = "COMP";
cbllink %1 /M%1 ORACLE_HOME\pro18\lib\sqllib80.lib
```

To build the sample programs, run this batch file with any sample file. Do not provide the file extension. For example:

```
MAKEIT sample1
```

The PROCOB_DFLT Configuration Parameter

The PROCOB_DFLT configuration parameter indicates which release of Pro*COBOL is started when you use the PROCOB command. There are two valid values: PROCOB80 and PROCOB18.

The value of PROCOB_DFLT depends upon which installation of Pro*COBOL is the most recently installed.

- If Pro*COBOL release 1.8 is the most recently installed, the PROCOB_DFLT value is PROCOB18.
- If Pro*COBOL release 8.0 is the most recently installed, the PROCOB_DFLT value is PROCOB80.

Using Fujitsu COBOL Project Manager

Programs generated by Pro*COBOL can be compiled and executed from within Fujitsu COBOL Project Manager.

To avoid potential inconsistencies when calling routines in the Oracle libraries, use the `"COMP5=YES"` option. This step is required because binary numbers for COBOL BINARY/COMP data are stored in Big Endian format. Oracle libraries expect binary numbers to be stored in Little Endian format (machine format).

The compiler option "TEST" must be selected when the COBOL application is compiled.

When you click Build/Rebuild, COBOL Project Manager generates the executable and WINSVD debug information.

After building the application, you can debug the application using the Interactive Debugger "WINSVD". To start "WINSVD", choose Debug from the Tools menu of COBOL Project Manager.

Oracle Web Publishing Assistant

- Due to French government regulations on encryption, you cannot set your system default locale to French (Standard) in the Regional Settings Control Panel of Windows NT. In some language versions on Windows NT, the spin box for entering time in Web Publishing Assistant does not function properly with the default time style. To work around this problem, change the default time style (from within the Control Panel) before running the Assistant. To change the default time style, click on the "Regional Settings" icon in the Control Panel, select the "Time" property page, and change the time style to "hh:mm:ss". (bug number 839409)
- The default template will truncate column data that is longer than the template width. Users may create their own template to view data where the column data length is very long.

Using SQL*Loader

When using SQL*Loader to direct load an Index-Organized Table, you may receive an internal error if the table has an Overflow segment.

Legato Storage Manager

Specific topics discussed are:

- Documentation
- Japanese Version of LSM
- Settings for Multiple Tape Devices

Documentation

The Legato documentation is included on the CD-ROM in the LEGATO\DOCS directory. The *Legato Storage Manager Administrator's Guide* is not included in the Oracle online documentation library. It is included in a file named README.TXT in the LEGATO\DOCS directory of the CD-ROM.

Japanese Version of LSM

In the Japanese version of LSM 5.5, the following log files are written in UTF8 format:

```
C:\win32app\nsr\applogs\dmo.messages
C:\win32app\nsr\logs\daemon.log
C:\win32app\nsr\logs\messages
```

On a Japanese version of Windows NT running Japanese LSM 5.5, you must run the following command at the command prompt to read one of these UTF8 log files:

```
nsrcat -n < file_name
```

Here, *file_name* is the appropriate pathname for the specific log file, such as:

```
C:\win32app\nsr\applogs\dmo.messages
```

Settings for Multiple Tape Devices

If you use Legato Storage Manager, and have more than one tape device on your system (Legato Storage Manager supports a maximum of 4), ensure that the following settings are made in the LSM Administrator GUI:

1. Select Start > Programs > NetWorker group > NetWorker Administrator to start the LSM Administrator GUI.
2. Click the set up server button, and set the parallelism field to the number of tape devices you have. Then, click the devices button. For each tape device listed, select it with the right mouse button, select edit, and set the target sessions field to 1.

LSM Administrator GUI

Specific topics discussed are:

- Updating the LSM Administrator GUI
- Removing the LSM Administrator GUI
- Installing the LSM Administrator GUI

Updating the LSM Administrator GUI

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

1. Perform a complete removal of the existing LSM Administrator GUI using the procedure in "Removing the LSM Administrator GUI" on page 8.
2. Install the updated version of the LSM Administrator GUI using the procedure in "Installing the LSM Administrator GUI" on page 8.

Removing the LSM Administrator GUI

To remove the LSM Administrator GUI from your Windows NT client system:

1. Log on to the computer as a member of the Administrator's group of Windows NT.
2. Choose Start > Programs > NetWorker Group > Uninstall NetWorker.
3. In the "Uninstall NetWorker" window, select "Complete" as the uninstall option and click OK.
4. When a message box appears stating that the client has been removed successfully, click OK.

Installing the LSM Administrator GUI

If you plan to use Legato Storage Manager on the server to back up to tape, and want to administer the Legato Storage Manager server from a Windows NT client system, you need to install the LSM Administrator GUI software on the Windows NT client system.

Note: Installation of the LSM Administrator GUI is supported only on Windows NT. Also, before you install the LSM Administrator GUI, be sure that Legato Storage Manager and NetWorker software are *not* currently installed on your Windows NT client system.

To install the LSM Administrator GUI on your Windows NT client system:

1. Log on to the computer as a member of the Administrator's group of Windows NT.
2. Insert the CD-ROM into your CD-ROM drive. Navigate to the LEGATO folder on the CD-ROM.
3. Double-click the SETUP.EXE icon, or run SETUP.EXE from the command line without any command options. *SETUP Options* appears.
4. Select *Client Only* and click Next. In *Choose destination directory,* click Next to accept the default destination directory, C:\WIN32APP\NSR\, for the LSM Administrator GUI installation.

   Note: Installation of the LSM Administrator GUI in a directory other than the default, C:\WIN32APP\NSR, is *not* supported on a Windows NT client system.

5. In the *Authorize NetWorker Servers* window, leave the field blank and click Next. A message box appears stating that the software has been installed successfully.
6. Click OK.
7. Verify that the Legato services have started:
   a. From the taskbar, choose Start > Settings > Control Panel.
   b. Double-click Services.
   c. Check that the Statuses of *Storage Management Portmapper* and *NetWorker Remote Exec Service* are "Started".

   For more information on using the LSM Administrator GUI, refer to the Legato Storage Manager README for Windows NT in the LEGATO\DOCS\README.TXT file.

Storing Database Files on Compressed Drives

Do not store database files on a compressed drive.

Doing this can result in write errors, as well as decreased performance.

Accessing README Files

You will find several README files included with your products. Other important or interesting information is contained in these README files.

README files may be included for products you did not purchase or license. Their presence does not mean that you can install and use those products.

At the top level of the CD-ROM directory there is a file called READMES.HTM. This file contains links to all of the READMES on the CD-ROM. This is a convenient point from which to review READMES before you install products.

Reading the Online Documentation

If you want to view the online documentation on your product CD-ROM, you can read the documentation in HTML format. Go to the \DOC directory and select the INDEX.HTM FILE or PRODUCTS.HTM file to view the online documentation. If you select the INDEX.HTM file, Oracle Information Navigator is launched along with the documentation.

The PDF (Adobe Acrobat) version of the documentation included on your product CD-ROM is compressed to save space. To view the PDF documentation, save the compressed PDF file located in the \PDFDOCS directory to a separate directory on your hard drive. Oracle Corporation recommends that you save the file in the *ORACLE_HOME*\PDFDOCS directory. Launch the self-extracting compressed file to extract the PDF files. You can access the individual PDF guides through the INDEX.PDF file.

If you decide to install Oracle documentation using Oracle Installer, only the HTML documentation is installed to *ORACLE_HOME*\DOCS.

If you have also installed the PDF documentation to *ORACLE_HOME*\PDFDOCS, you can access the PDF documentation from the HTML documentation libraries.

Oracle8 Assistants

1. Oracle8 Assistants must be run from a user account that is a member of the NT Administrator's Group on that computer.
2. When you use an Assistant, you must have read / write access to the directory where database files will be moved or created.

Display Colors

Net8 Assistant, Net8 Easy Config, and Oracle Intype File Assistant (and Oracle Database Assistant and Oracle Data Migration Assistant for servers) require monitors displaying at least 16 colors.

NTFS File System and Windows NT Registry Security

Oracle Corporation recommends that you configure Oracle8 database files, directories, and registry settings to allow only authorized database administrators to have full control. The following sections describe how to perform these tasks:

- NTFS File System Security
- Windows NT Registry Security

Note: See your Windows NT documentation for more information about modifying NTFS file system and Windows NT registry settings.

NTFS File System Security

The Oracle8 database uses files to store database data, backup data, log information, and so on. To do this, the Oracle8 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 Oracle8 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 Oracle8 database files, executables, dynamic link libraries, and directories.
3. Select Properties.
4. Adjust the file and directory permissions to ensure that:
   - *only* the security account that the Oracle8 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: Oracle8 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 Oracle8 database.

Windows NT Registry Security

Oracle Corporation recommends that you remove write permissions from users who are *not* Oracle8 database system administrators in the HKEY_LOCAL_MACHINE\SOFTWARE\Oracle key 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 Oracle8 database administrators. Note that the SYSTEM account must have Full Control, since this is the account with which the Oracle8 database runs.
5. Ensure that user accounts that must run Oracle applications have read privileges.
6. Click OK.
7. Exit the registry.

NT Backup Manager and NT Recovery Manager

In release 8.0.5, NT Backup Manager and NT Recovery Manager were Oracle tools that enabled you to perform database backups to disk or tape. Both tools were automatically installed with the Oracle8 Utilities.

These tools are not available on the 8.0.6 CD-ROM. They are no longer supported. Oracle Corporation recommends that you use third-party backup and recovery tools.

ConText Workbench and *inter*Media Text

Your CD-ROM includes Oracle8 Context Cartridge Workbench release 2.4.5. However, in Oracle8*i* release 8.1.5, an improved version of ConText is included in the *inter*Media product. The new version is more deeply integrated in the Oracle database, providing better performance, scalability, and ease-of-use.

Oracle Corporation recommends that potential Context customers use the new *inter*Media Text 8.1.5 product.

In particular, the Workbench has been replaced by Oracle *inter*Media Text Manager, which is a Java application integrated with Oracle Enterprise Manager. Contact Oracle Client Relations to order *inter*Media and Oracle8*i* release 8.1.5.

Enabling the ConText Cartridge Demo

Once you have installed the Oracle8 database and the ConText Cartridge using either the Typical or Custom database creation option during installation, you must subsequently enable the ConText Cartridge demo using Oracle Database Assistant.

While the Custom option offers you the opportunity to enable the demo during installation, the Enable demo check box is disabled. This is a bug. The workaround is to enable the demo by using Oracle Database Assistant *after* you have completed installation as described below.

To enable the ConText Cartridge demo:

1. Ensure you have installed the Oracle8 database and the ConText Cartridge.
2. Start > Programs > Oracle for Windows NT - *HOME_NAME* > Oracle Database Assistant.

   Oracle Database Assistant appears.
3. Select Modify a database.

4. Select the instance of the database you want to modify and enter the internal password.
5. Click the Configure Oracle Cartridges check box.
6. Click the Context Cartridge check box.
7. Click the Enable demo check box.
8. Click the Help button on this page of the assistant for more information on enabling the ConText Cartridge demo.

Oracle Data Migration Assistant

- In Chapter 5, "Installing, Migrating, and Upgrading Databases", in the section "Checklist of Database Release Numbers" the following is stated:

  "Oracle Data Migration Assistant migrates from release 7.1.3.3.6 or later to release 8.0.6."

  This statement is incorrect. The correct statement is:

  "Oracle Data Migration Assistant migrates from release 7.3.4 or later to release 8.0.6."

- Do not completely rely on the *SID*SUMMARY.LOG file to determine if the migration was successful. You must also examine all of the log files created by the Data Migration Assistant because some errors in these log files may not necessarily be included in the *SID*SUMMARY.LOG file.

Oracle Database Assistant

The last page of the Oracle Database Assistant does not contain a help screen. This is the correct implementation of the product.

Oracle Migration Assistant for Microsoft Access

After Oracle Migration Assistant for Microsoft Access completes migration, you should check that the migration was successful. To check that the migration was successful, look at the Summary information. You can choose to view reports describing specific migration information.

Do not use the following sequence of commands in Oracle Migration Assistant for Microsoft Access. If you do, the assistant crashes.

1. On the *Verify Migration* page, Click Summary
2. On the *View Migration Reports* page, Click Generate Report
3. On the *Verify Migration* page, Click Summary again.

Mounting the Oracle Distribution Media on a System that Supports Long File Names

Some servers, such as Novell, do not support long file names. If the Oracle software CD-ROM is mounted on a drive of a Novell server, some of the directory paths on the CD-ROM, such as the JRE location, may not be recognized and the installation will fail. You need to mount the CD-ROM on a system that supports long file names, such as a Windows NT workstation.

Documentation Versions

Your documentation library contains guides with version numbers of 8.0.4, 8.0.5, and 8.0.6. This is because some guides did not require updating for releases subsequent to 8.0.4 (for example, the generic documentation set did not require updates since 8.0.4). Please be assured that the latest documentation is on your CD-ROM.

ORADIM80 Cannot Start or Stop Instances

In *Oracle8 Enterprise Edition Getting Started for Windows NT* in the chapter "Creating a Database", in the section "Using ORADIM80 to Administer the Oracle Instance" it is stated that ORADIM80 can be used to start and stop services and / or instances from the MS-DOS command prompt. This is incorrect. ORADIM80 can only be used to start and stop services from the MS-DOS command prompt. This is a fix for bugs 986272 and 986261.

Online Documentation Corrections

This section indicates any sections in the online documentation libraries that are incorrect.

1. In *Oracle8 Enterprise Edition Getting Started for Windows NT*, in the chapter "Starter Database Contents", in the section "Creating Control, Data, and Log Files on Remote Computers", the following text:

   For example, to access the file SYSTEM01.DBF in the directory C:\ORACLE\ORA81\ORADATA\ORCL on the shared server ARGON, you reference the file as:

   ```
   \\ARGON\ORACLE\ORA81\ORADATA\ORCL\SYSTEM01.DBF
   ```

   should be corrected to:

   For example, to access the file SYSTEM01.DBF in the directory C:\ORANT\DATABASE on the shared server ARGON, you reference the file as:

   ```
   \\ARGON\ORANT\DATABASE\SYSTEM01.DBF
   ```

2. In *Oracle8 Enterprise Edition Getting Started for Windows NT*, in the appendix "Configuration Parameters and the Registry", the section "Modifying Oracle for Windows NT Performance Monitor Parameters" should not have been included in the manual because it is not applicable for 8.0.6.