Oracle8™

Release Note for SGI® IRIX™

Release 8.0.6 (32 Bit)

March 2000

Part No. Z26668-01

This Release Note accompanies Oracle8, Release 8.0.6 for SGI® IRIX™. This release is a complete software distribution, not a patch release. It should be installed in a new `ORACLE_HOME` directory.

This Release Note contains the following information:

- What's New in Oracle8, Release 8.0.6 (32 Bit)?
- New Naming Convention for Upgrade and Downgrade Scripts
- Updated Installation Issues
- Summary of System Requirements
- Requirements for Successful Installation
- Installation Restrictions
- Error Message Documentation
- Contents of the 8.0.6 Server Release

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What's New in Oracle8, Release 8.0.6 (32 Bit)?

The following products are new in Oracle8 Release 8.0.6:

Product	Notes	Associated Documentation
JDBC OCI Driver	Part of programmer 2000	*Oracle8 JBDC Drivers, Release 8.0.6*
JDBC Thin Driver	Part of Programmer 2000	*Oracle8 JBDC Drivers, Release 8.0.6*
Oracle8 Objects Option		*Oracle8 Administrator's Guide*
Oracle8 Partitioning Option		*Oracle8 Administrator's Guide*
Oracle8 Time Series Cartridge		*Oracle8 Time Series Cartridge User's Guide, Release 8.0.6*
Oracle8 Visual Information Retrieval Cartridge		*Oracle8 Visual Information Retrieval Cartridge User's Guide, Release 1.0.1*

New Naming Convention for Upgrade and Downgrade Scripts

With Oracle8, Release 8.0.6 there is a new naming convention for the upgrade and downgrade scripts. The scripts no longer use the form `CAT*.SQL`. The new naming convention provides direct migration paths from one release to another. The new names use the form `U*.SQL` for upgrading and `D*.SQL` for downgrading. The following two tables show the new upgrade and downgrade script names.

Upgrading to 8.0.6 From:	Run Script:
8.0.2	`U0800020.SQL`
8.0.3	`U0800030.SQL`
8.0.4	`U0800040.SQL`
8.0.5	`U0800050.SQL`

Downgrading to:	Run Script:
8.0.3	`D0800030.SQL`
8.0.4	`D0800040.SQL`
8.0.5	`D0800050.SQL`

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Updated Installation Issues

The following section describes installation tasks and requirements for Oracle Server, Release 8.0.6.

Relinking after Installation

If Intelligent Agent is already installed and you subsequently want to install Advanced Networking Option, you must use the Installer to relink executables.

Refer to "Rebuilding the Client Shared Library and Relinking" in Appendix A of the *Oracle8 Installation Guide for SGI IRIX* for complete instructions.

Documentation Installation

An Installer error will occur if you select Documentation when selecting "Create/Upgrade Database Objects" or "Perform Administrative Tasks". These Installer functions do not apply to documentation, therefore you should not select Documentation when performing these tasks.

Summary of System Requirements

The requirements listed in this release note are a summary of the system requirements listed in Chapter 1 of the *Oracle8 Installation Guide for SGI®* IRIX™.

Requirement	Minimum Level
Disk Space	700 MB
Memory	64 MB
Operating System	IRIX 6.5.x (where x is 2 or greater) with version 7.2.1.2 (or later) of the IRIS Development Option Database Accelerator 3.0, for Origin 200 and 2000 and Challenge R4400 and R10000, running IRIX 6.5
Operating System Patch	Use the latest kernel patch from SGI IRIX

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Requirements for Successful Installation

Successful installation of Release 8.0.6 on an SGI IRIX system requires:

- The Oracle8 Enterprise Edition Release 8.0.6 CD-ROM. This contains the software and system-specific documentation for this release.
- The *Oracle8 Installation Guide for SGI®* IRIX™ and the *Oracle8 Administrator's Reference for SGI®* IRIX™ included in PDF and HTML formats on the Oracle8 Enterprise Edition CD-ROM.
- The `README.FIRST` file. This contains final changes, and possibly restrictions, for this release. This file is displayed when the Oracle Installer is started. Read it carefully.

The *Oracle8 Migration Guide* is useful when migrating or upgrading an existing Oracle installation. This is included on the Oracle8 Documentation CD-ROM.

The Oracle8 Documentation CD-ROM contains all documentation for individual Oracle products, but is not essential for installation.

Installation Restrictions

The following restrictions are specific to the installation of the Oracle8 Server on SGI IRIX. Check the `README` file in the `$ORACLE_HOME/rdbms/doc` directory before using the Oracle8 Server. `README` files for other products on the Oracle8 Server distribution are in the `doc` or `admin/doc` directories for the respective products.

Direct IO If you are using Direct IO, the initialization parameter DB_BLOCK_SIZE, found in the `init.ora` file, must be a multiple of the SGI IRIX system block size. For example, if the system block size is 4KB the DB_BLOCK_SIZE parameter must be set to a multiple of 4KB.

Pro*Fortran If you are using Pro*Fortran and want to link your Fortran executables dynamically you must include `$ORACLE_HOME_lib/libsql.a` on the link line.

Migrating from Oracle7 The Migration utility is included with this release and makes it possible to migrate an Oracle7 Server, release 7.1 or higher to the Oracle8 Server. The Migration utility can not be used when moving from a release 7.0 database to Oracle8.

Very Large Files Oracle8 provides native support for large files (greater than 2 GB).

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Linking Single-Task Programs In single-task systems, the user program, `oracle` kernel, and program interface runs as parts of the same process. Consequently, the user can access the System Global Area (SGA) and can damage it. UNIX systems cannot provide the necessary separation between the user program and the Oracle program in a single process.

If you link single-task programs, use the `chmod` command to set the executable to assume the user ID of the *oracle* account at runtime. In such cases, review the source code to ensure data integrity. Also review the source code of the applications to ensure that they pose no security risk.

Error Message Documentation

All error messages for products in the 8.0.6 release are documented in the *Oracle8 Error Messages* manual.

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Contents of the 8.0.6 Server Release

The following tables list the contents of the Oracle Server, Release 8. 0.6.

Server, Cartridges, and Options	Comments
Advanced Replication 8.0.6	Only available with Oracle8 Enterprise Edition. Installed transparently with Oracle8 Server.
Asynchronous I/O	Not enabled in release 8.0.6. This will be enabled in a future patch.
Distributed Database 8.0.6	Installed transparently with Oracle8 Server.
Oracle8 ConText Cartridge 2.4.6	
Oracle8 Image Cartridge 8.0.6	
Oracle8 Objects Option 8.0.6	Only available with Oracle8 Enterprise Edition.
Oracle8 Partitioning Option 8.0.6	Only available with Oracle8 Enterprise Edition.
Oracle8 Server 8.0.6	
Oracle8 Spatial Cartridge 8.0.6	Only available with Oracle8 Enterprise Edition.
Oracle8 Time Series Cartridge 8.0.6	Only available with Oracle8 Enterprise Edition.
Oracle8 Visual Information Retrieval Cartridge 8.0.6	Only available with Oracle8 Enterprise Edition.
Parallel Query 8.0.6	Installed transparently with Oracle8 Server.
PL/SQL 8.0.6	

Tools and Precompilers	Comments
Java Database Connect (JDBC) 8.0.6, including JDBC OCI Driver and JDBC Thin Driver	
Object Type Translator 8.0.6	
Oracle Call Interface 8.0.6	Installed transparently with Oracle8 Server.
Oracle On-Line Text Viewer 1.0.1.0	
Oracle Server Manager 3.0.6	
Oracle UNIX Installer 4.0.3	
Pro*C/C++ 8.0.6	
Pro*FORTRAN 1.8.28	
SQL*Plus 8.0.6	

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Networking and System Management Products	Comments
Oracle Intelligent Agent 8.0.6.0.1	
Oracle Names 8.0.6	Installed transparently with Oracle Net8.
Oracle Net8 8.0.6	Installed transparently with Oracle Net8.
Oracle Security Server 2.0.6	Installed transparently with Oracle Net8.
Oracle TCP/IP Protocol Adapter 8.0.6	
Oracle Trace Collection Services 8.0.6	Installed transparently with Oracle Net8.
Oracle8 Advanced Networking Option: Security and Sign-On 8.0.6	
Oracle8 Advanced Networking Option: Security - Export Version 8.0.6	
OSS Authentication Adapter 2.0.6	Installed transparently with Oracle Net8.
OSS Repository 2.0.6	Installed transparently with Oracle Net8.

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