Oracle8*i*™ for Intel-Linux

Release Note

Release 8.1.5

July 1999

1Part No. A74960-01

This document accompanies Oracle8*i* for Intel-Linux, Release 8.1.5. It is a complete software distribution. It is not a patch release, and it should be installed in a new ORACLE_HOME directory.

This release note contains the following information:

- Operating System and Environment Requirements

- Installation Issues

- Product Notes

- Other Information Resources

ORACLE™

Operating System and Environment Requirements

Verify that your system meets the installation requirements described in the following tables before you install Oracle8*i*.

Hardware Requirements

Hardware	Requirements
Memory	A minimum of 128 MB RAM is required to install the Oracle8*i* products. 256 MB or more may be required to enable Java VM.
Swap Space	Three times the amount of RAM is recommended for most systems. For systems with large amounts of memory (more than 1 GB), the allocation can be reduced to twice the amount of RAM or less.
CD-ROM Device	A Linux-supported CD-ROM drive is required. Oracle uses ISO 9660 format CD-ROM discs with Rockridge extensions.

Operating System Software Requirements

OS Software	Requirements
Operating System	Linux, kernel 2.2
Operating System Patches	Use the latest kernel patches for Linux.
Window Manager	Use any supported window manager, for example, `fvwm`. Character mode installations are not supported for Release 8.1.5
System Libraries	GNU C Tools egcs-1.1.2 (`glibc 2.1`)

Disk Space Requirements

	Oracle8*i* Enterprise Edition	Oracle8*i* Client	Programmer/2000
Minimal	693 MB	N/A	N/A
Typical	765 MB	216 MB	177 MB

Note: These are approximate values that might vary slightly at installation time.

Other Software Requirements

Product Name	Restrictions and Requirements
Oracle Software Packager, 1.6.0.7	Requires JDK 1.1.6
Pro*C/C++	Requires egcs-1.1.2
Oracle Intelligent Agent	Requires TCL 7.5 from ftp://ftp.scriptics.com
Oracle JDBC drivers	Require JDK 1.1.6 v5 from http://www.blackdown.org

Note: All network products require the underlying software and operating system libraries for the supported network. The network software *must* be installed and running prior to installation of the Net8 products.

Installation Issues

The following issues and restrictions may affect the installation or use of Oracle8*i* on Intel-Linux. For additional details, refer to the *Oracle8i Installation Guide for Intel-Linux* on your CD-ROM (`index.html`).

Current Certification
This release is certified with Red Hat 6.0. Certification for other distributions is currently in progress.

There is a bug in the Enlightenment package used with GNOME on Red Hat 6.0 that causes the Oracle Universal Installer (OUI) to fail. You may download the upgrade for the Enlightenment package from the Red hat Errata site at `http://www.redhat.com/corp/support/errata/rh60-errata-ge neral.html`.

This upgrade will be available shortly. You may also temporarily use a different window manager, such as fvwm, to run OUI.

To Run the Installer
1. Download and install JRE 1.1.6 v5 from http://www.blackdown.org. Install the JRE in any directory and create a symbolic link from `/usr/local/jre` to `<jre_install_location>/jre116_v5`.

2. Mount the Oracle8*i* CDROM; such as:

```
$ su root
# mkdir /cdrom
# mount -t iso9660 /dev/cdrom /cdrom
# exit
```

3. Start the Oracle Universal Installer (OUI):

```
$ cd /cdrom
$ ./runInstaller
```

4. Install only one component at a time (Server, Client, or Programmer 2000). To install the next component, exit the OUI and restart.

root.sh

When the Installer prompts the user to run the `root.sh` script, change directory to $ORACLE_HOME, set execute permission for the `root.sh` file, and execute it.

New ORACLE_HOME

You must not install Oracle8*i*, Release 8.1.5 into an ORACLE_HOME directory containing any Oracle software earlier than Release 8.1. Oracle8 Release 8.0.x uses the `orainst` installer, which is not compatible with an Oracle8*i* installation.

Character Mode

Installation can no longer be performed using character mode. However, you may configure the Oracle Universal Installer to perform a non-interactive installation of Oracle products and thereby avoid the requirements for the GUI. See Chapter 3 of the *Oracle8i Installation Guide for Intel-Linux* for more details on the non-interactive installation of Oracle products.

Seed Database

The Seed Database is not available in this release. For the "Typical/Minimal" installation of the server components, do not select "YES" to start the seed database. You may use any of the following three methods to create a database:

- To create a database during installation, choose the "Custom Install" option for the Server Component, which will launch the Database Configuration Assistant (DBCA) to create a database.

- To create a database after installation, you may launch the DBCA independently of the OUI. Make sure $ORACLE_HOME/bin is in your search path and enter the following:

  `$ dbassist &`

- To create a database manually, use the scripts provided in $ORACLE_HOME/rdbms/install/create.

Product Notes

File Systems

The Oracle Server must be able to verify that file writes have been made to disk. File systems that do not support this verification are not supported for use with Oracle databases, although Oracle software can be installed on them.

Very Large Files

Linux does not have support for very large files (files larger than 2GB).

Raw Devices

Linux does not support raw devices.

Precompilers - Pro*C/C++

Modified system header files are shipped with this distribution. They are located in the `$ORACLE_HOME/precomp/public` directory.

Oracle Intermedia Text

The third party filters to extract pertinent ASCII information from documents being indexed are not provided by Oracle Intermedia Text for the Intel-Linux platform.

Oracle Intelligent Agent

The Oracle Intelligent Agent requires TCL package, release 7.5.

Instructions to build Oracle Intelligent Agent Executables

1. Download the TCL 7.5 sources(`tcl7.5.tar.Z`) from:
   `ftp://ftp.scriptics/com/pub/tcl/tcl7_5/`

2. Extract the source in a separate directory and configure:

   ```
   $ mkdir tcl
   $ cd tcl
   $ compress -d tcl7.5.tar.Z
   $ tar xvf tcl7.5.tar
   $ cd tcl7.5/unix
   $ ./configure --enable-gcc
   ```

3. Edit the source file `tclPosixStr.c`:

   ```
   $ cd ../generic
   $ mv tclPosixStr.c tclPosixStr.c.ORIG
   cp tclPosixStr.c.ORIG tclPosixStr.c
   ```

   by commenting the following set of lines:

   ```
   120 through 122
   327 through 329
   566 through 568
   774 through 776
   ```

4. Build the TCL 7.5 library:

   ```
   $ cd ../unix
   $ gmake
   ```

5. Install TCL 7.5 in `/usr/local`, make sure `/usr/local` exists and is writable:

   ```
   $ su
   # gmake install
   # exit
   ```

6. Set the environment variable ORALE_HOME to the location where Oracle8i was installed:

```
$ export ORACLE_HOME=<location_where_8i_was_installed>
```

7. Copy the newly built TCL library to ORACLE_HOME and build the executables:

```
$ cp libtcl7.5.a $ORACLE_HOME/network/lib
$ cd $ORACLE_HOME/network/lib
$ ln -s libtcl7.5.a libtcl.a
$ gmake -f ins_oemagent.mk agent
```

Java VM
The Java VM provided in the current release is a beta version product. Report any problems to customer support.

Unsupported Options
The following options are not supported in the current release:

- Parallel Server Option

- Advanced Security Option

- Precompiler options - Pro*COBOL, Pro*Ada, and Pro*FORTRAN

- Legato Storage Manager

Known Problems
- SQL*Loader is unable to load LOB data

- Jobs submitted to Oracle Intelligent Agent by the Oracle Enterprise Manager may not complete.

Other Information Resources

In addition to this release note and the Oracle documentation which you received on CD-ROM or in printed form, there are several other valuable sources of technical information available to you.

- Platform-Specific Documentation

- Migration Guide

- Online Support

- Product README Files

Platform-Specific Documentation

The *Oracle8i Administrator's Reference for Intel-Linux*, and the *Oracle8i Installation Guide for Intel-Linux* are available on the Oracle8*i* software CD-ROM. Instructions for accessing the documents are provided on the CD-ROM insert.

Migration Guide

The *Oracle8i Migration* guide provides instructions on migrating or upgrading an existing Oracle system to the new release. It is available online on the Generic Documentation CD-ROM. Instructions for viewing the documents are provided on the CD-ROM Insert.

Online Support

The following web sites may have more current information on subjects such as product certifications than the documentation included with this release:

- http://support.oracle.com/metalink

- http://technet.oracle.com

Product `README` Files

Most Oracle products include a README file in the software distribution. The most common location for these files is in the $ORACLE_HOME/*product*/doc/ directory, for example:

    $ORACLE_HOME/network/doc/README.Net8

README files include information such as known restrictions, bugs fixed in this release, and new product functionality.

Oracle8*i*, Release 8.1.5 provides several files in Adobe Acrobat (PDF) format that contain additions to the generic documentation set you received with Release 8.1.5. The table of contents in the README.doc file provides the filenames for these PDF files and a brief description of their contents.

Oracle8*i*, Release 8.1.5 also includes a fully functional Java Virtual Machine (JVM) as part of the RDBMS. Please refer to these individual README files for detailed information of known problems and installation issues. Individual README files are included for:

- JVM and Java stored procedures, in the JAVAVM directory

- Java Database Connectivity (JDBC) support, in the JDBC directory

- SQLJ (embedded SQL in Java), in the SQLJ directory

- Enterprise JavaBeans (EJB) and the Aurora/ORB, in the EJB directory.

To locate the above described generic documentation additions, please refer to the *cd_rom_mount_point_directory*/index.html file.