Oracle® Applications

Installation Update Notes

Release 11.5.8   for HP 9000 Series HP-UX

November 2002

Part No. B10265-01

This document updates *Installing Oracle Applications* with information specific to HP 9000 Series HP-UX for Oracle Applications Release 11.5.8. You should use both documents when you install or upgrade Oracle Applications.

The *Oracle Applications Release Notes* also contain important information about your installation or upgrade. The information in these *Installation Update Notes* is not a substitute for the information in the *Oracle Applications Release Notes* -- you must read and perform the tasks in both documents for a successful installation or upgrade patch that may be appropriate for the products in your installation.

> **Note:**   Failing to apply patches as documented in the *Oracle Applications Release Notes* will compromise your Oracle Applications installation or upgrade.

The *Start Here* CD in the *Oracle Applications Release 11i CD Pack* contains links to various documents and resources on Oracle*MetaLink*.

Hardware and Operating System Requirements

This section summarizes the hardware and operating system requirements for installing or upgrading Oracle Applications. You may need assistance from your operating system administrator to verify that your computer has sufficient resources.

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> **See Also:** For more information on hardware and operating system requirements, refer to the *Oracle8 Installation Guide Release 8.0.6 for HP 9000 Servers and Workstations* and *Oracle8i Installation Guide Release 3 (8.1.7) for HP 9000 Series HP-UX*. These documents are available at the following Web site:
>
> `http://docs.oracle.com/`

CPU Requirements

The CPU requirements for running Oracle Applications depend on many factors.

> **See Also:** For more information on the factors that determine the CPU requirements for HP 9000 Series HP-UX, refer to the CPU Requirements section in *Installing Oracle Applications*.

Disk Space Requirements

Rapid Install installs the files for all products regardless of their licensing status. In a single-node installation, you need approximately 14 GB for the Oracle Applications top directory, and approximately 9 GB for the various Oracle homes. In a multi-node installation, you need these same amounts of disk space (or less) per node, depending on how you distribute the release 11*i* servers on each node.

> **See Also:** For more information on the size of Oracle Applications databases, or for space requirements of other Oracle Applications components such as language files, log output or temporary files, refer to the Disk Space section in *Installing Oracle Applications*.

Media

Oracle Applications software is available in CD-ROM format. Superuser privileges are typically required to mount the CD-ROM. Ask your system administrator to perform this operation.

Memory Requirements

The amount of memory needed for Oracle Applications system depends on your hardware and operating system configuration. Contact your hardware vendor or Oracle Services to estimate how much memory is required to maintain good response time.

> **See Also:** For more information on memory requirements, refer to the Memory section in Chapter 1 "Getting Started" in *Installing Oracle Applications.*

Operating System Version

The required operating system versions for HP 9000 Series HP-UX are HP-UX 11.0 32-bit and HP-UX 11.0 64-bit, HP-UX 11*i* (11.11) 32-bit, and HP-UX 11*i* (11.11) 64-bit.

Operating System Patch Requirements

Before starting the Rapid Install, apply the PHSS_25447 motif patch and the latest linker patches, PHSS_24301, PHSS_24303, and PHSS_20122 from HP to all your nodes.

Before starting the Rapid Install, if you are on HP-UX 11.11, then apply the HP patches PHCO_25452, PHNE_25084, PHNE_25642, PHSS_24302, PHSS_24304, PHSS_25985, PHSS_25986, PHSS_25881, PHSS_24638 and GOLDQPK11i-December 01 to all your nodes.

For forms generation on HP-UX, set the `maxdsiz` kernel parameter to a value of at least 130 MB.

> **See Also:** For more information on the required operating system patches, refer to the *Oracle8 Installation Guide Release 8.0.6 for HP 9000 Series and Workstations* and *Oracle8i Installation Guide Release 3 (8.1.7) for HP 9000 Series HP-UX.* These documents are available online at:
>
> `http://docs.oracle.com`

> **Note:** As HP-UX operating system patches may be recalled or superseded from time to time, consult your system administrator for any such issues and apply the latest patches.

General Information

The following section contains general information on running Oracle Applications on HP 9000 Series HP-UX.

LD_LIBRARY_PATH Environment Variable

The UNIX operating systems use dynamic libraries as part of the relink and execution process. To ensure that your system's dynamic linker is able to

find the proper Oracle Server dynamic libraries when relinking or running Oracle Applications executables, the value for LD_LIBRARY_PATH has been set appropriately in the adovars.env file, which is located in the $APPL_TOP/admin directory.

For HP-UX, the environment variable SHLIB_PATH is required. It has been set in the adovars.env file.

Operating System Names for Printers

To register printers in the Printers form of Oracle Applications, your Oracle Applications system administrator must know each printer's operating system name. Find these names by entering the following command:

```
$ lpstat -p
```

Temporary Directories and Files

Oracle Applications release 11*i* requires 100 MB of temporary disk space for HP 9000 Series HP-UX. The default location for the temporary files is /tmp directory. If the amount of disk space available under the /tmp directory is insufficient, redirect the temporary files to another location of your choice by setting the $TEMP environment variable to a directory with sufficient space. In that case, you will need about 50 MB under the /tmp directory.

Oracle Technology Stack Requirements

This section updates the Oracle8 and Oracle8*i* Enterprise Edition server and tools requirements listed in *Installing Oracle Applications*.

> **See Also:** For more information on server and tools requirements, refer to the *Installing Oracle Applications.*

Oracle Product Versions

The following lists Oracle products and other products installed as part of the Oracle Applications server technology stack and database servers:

- Oracle8*i* Enterprise Edition 8.1.7.4 with Oracle *inter*Media Text (previously ConText) and Oracle Spatial

- Oracle9*i* Application Server, which includes the following components:

  - Oracle8 Enterprise Edition 8.0.6.3.0 (Net8, Pro*C Compiler, RDBMS, PL/SQL, and SQL*Plus)

  - Oracle Forms, Reports and Graphics 6i with Patchset 9

  - Oracle Discoverer 4.1.41.05

- Oracle Portal 3.0.9.8.0

- Apache 1.3.19 with Jserv 1.1.2

- JRE (Java Runtime Environment) 1.1.8.05

- Oracle JInitiator 1.1.8.16 on the desktop client

- ILOG and RogueWave static libraries for Oracle Supply Chain Planning and Oracle Manufacturing Scheduling

Oracle Applications release 11.5.8 for HP 9000 Series HP-UX ships with JRE 1.1.8.05. Upgrade to JRE 1.1.8.05 if you plan to upgrade to Oracle Applications release 11.5.8.

Before applying patch sets or upgrading one or more of these products, check the Certify Web page (accessible through Oracle*MetaLink* `http://www.oracle.com/support/metalink/index`) to verify certified combinations with Oracle Applications Release 11*i.*

iPayment Implementation Using CyberCash for CRM 11*i*

Obtain the CyberCash MCK 3.2.0.7 for HP-UX 11.0 by contacting CyberCash at the following Web site

`http://www.cybercash.com`

Java Development Kit (JDK) Requirements for 11*i*

The Java Development Kit (JDK) version 1.3.x, "x" being the latest available production release, must be installed on the HTTP server node.

> **Note:** Install JDK 1.3.x on the HTTP server node before starting the Rapid Install. While running Rapid Install in the rapidwiz "Parameters Review Screen", change the default value of External JDK (`/opt/java1.3`) to the JDK 1.3.x path.

For HP 9000 Series HP-UX, download this version of the JDK from the following Web site:

`http://www.hp.com/products1/unix/java/java2/sdkrte1_3/downloads/index.html`

> **Note:** On HP 9000 Series HP-UX, JDK is now part of SDK.

On HP-UX servers, the `swinstall` utility allows the existing JDK installation to be over-written by a newer version of JDK. If there is a JDK

installation on your HTTP server node that is less than the newer version and you do not wish to over-write it with the newer version, consult your system administrator to install the JDK at a non-default location before starting Rapid Install.

> **Note:** For required operating system patches for JDK and JRE, refer to the following Web site:
>
> `http://www.hp.com/products1/unix/java/infolibrary/`
>
> `patches.html`

Requirements for the Concurrent Processing Server Node

To use MSO, WPS, WIP, ENG, or MSR on HP 9000 Series HP-UX systems, you must install HP aC++ Compiler version A.03.15 or higher on the concurrent processing server node. A C++ Compiler is also required for patching products that have dependencies on the above C++ products.

To obtain the HPaC++ compiler, contact HP or visit the following Web site:

`http://www.hp.com/go/hpc++`

> **Note:** The directory that contains the aCC executable must be included in the PATH variable. If this is part of a Multi-User environment, this setting should exist in the environment owned by the `applmgr` user.

Optimized ILOG Libraries

The ILOG libraries should be optimized for your particular PA-RISC architecture in order to increase performance for C++ based products (MSO, WPS, WIP, ENG, and MRP). The default set of libraries is located in the `$SHT_TOP/lib/ilog/5.1` directory on all servers except the database server and is optimized for the PA-RISC 2.0 architecture.

If your servers are using the PA-RISC 1.1 architecture, then replace the default libraries with their PA-RISC 1.1 version. ILOG libraries are available through SHT patch 2214446.

To determine the PA-RISC architecture version, enter the following command:

`$ /usr/bin/getconf _SC_CPU_VERSION`

The numeric output to this command corresponds to a PA-RISC version as indicated in the following table:

Output	PA-RISC Version	Action
528	PA-RISC 1.1	Replace ILOG libraries in `$SHT_TOP/lib/ilog/5.1` with PA-RISC 1.1 version. [SHT Patch 221446]
529	PA-RISC 1.1	Replace ILOG libraries in `$SHT_TOP/lib/ilog/5.1` with PA-RISC 1.1 version. [SHT Patch 221446]
532	PA-RISC 2.0	No action required

> **Note:** While applying patches on other nodes that do not have the C++ Compiler, you can ignore any relinking errors for these products.

Known Issues

The following section contains known issues in running Oracle Applications on HP 9000 Series HP-UX.

Net8 Listeners (Oracle8i Database or Report Review Agent) Fail to Start During a Multi-User Installation

The `lsnrctl` executable writes into the `/tmp/.oracle` directory when it runs to start the listeners. If this directory is not writable for any of the users in a multi-user installation, the listeners fail to start during the Rapid Install.

Workaround

Make the `/tmp/.oracle` directory writable for all users of a multi-user installation. For example:

```
$ chmod 777 /tmp/.oracle
```

After Installation, Forms Server Fails with an Error

After installation, the forms server fails with the following error:

```
FRM-92050: Failed to connect to the server: <hostname>:<port>
```

Workaround

Apply HP patch PHCO_24148 or later to update.

Installation Fails During Production Database Control File Creation with an Error

The installation fails during the production database control file creation with the following error:

```
HP-UX Error:23: File table overflow
```

Workaround

Increase the `nproc` parameter to 1500.

When Installing From an NFS-mounted Stage Area, Some Orphaned Processes Cannot Be Killed From a Failed Installation (Bug # 2576219)

If you are running the Rapid Install from an NFS-mounted stage area, and the installation process is cancelled for some reason, certain installation-related OS processes may remain running. The process description of such processes contains the `/tmp_mnt` directory, as well as the location of the Release 11.5.8 stage area. These processes cannot be killed, and may interfere with subsequent installation attempts.

Workaround

You must reboot the server node before restarting a new installation.

Running "Maintain Multiple Reporting Currencies Schema(s)" Against 11.5.8 Vision Demonstration Database

If you are going to run the `adadmin` task "Maintain Multiple Reporting Currencies schema(s)" against your 11.5.8 Vision Demonstration database, you must first drop the synonym `APPS.WWSTO_API`.

Connect to the APPS schema and run the following:

```
SQL> drop synonym APPS.WWSTO_API;
SQL> commit;
```