Oracle® Database

Release Notes

11*g* Release 1 (11.1) for HP-UX

B32071-10

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This document contains important information that was not included in the platform-specific or product-specific documentation for this release. This document supplements *Oracle Database Readme*.

This document may be updated after it is released. To check for updates to this document and to view other Oracle documentation, refer to the Documentation section on the Oracle Technology Network (OTN) Web site:

`http://www.oracle.com/technetwork/indexes/documentation/index.html`

For additional information about this release, refer to the readme files located in the `$ORACLE_HOME/relnotes` directory.

> **Note:** The Database Quick Installation Guides are no longer available in printed format. These documents are available with the media in the same location as the software and on Oracle Technology Network.

This document contains the following topics:

- Certification Information
- Unsupported Products
- Preinstallation Requirements
- Software Contents in the Installation Media Pack
- Installation, Configuration, and Upgrade Issues
- Other Known Issues
- Documentation Corrections and Additions
- Documentation Accessibility

1 Certification Information

The latest certification information for Oracle Database 11*g* Release 1 (11.1) is available on My Oracle Support (formerly Oracle*MetaLink*) at:

`https://support.oracle.com`

ODBC Certification

Starting with Oracle Database 11*g* release 1 (11.1.0.7), Oracle ODBC driver is supported on HP-UX Itanium. ODBC driver uses `gcc 3.4.5` for compilation instead of the native compilers on HP-UX Itanium operating systems.

2 Unsupported Products

A list of unavailable features and products is available in Section 2, "Features Not Available or Restricted in This Release", in *Oracle Database Readme*.

3 Preinstallation Requirements

In addition to the information in the installation guides, the following section contains the system requirements for HP-UX:

- ncsize Kernel Parameter
- Swap Space Guidance

3.1 ncsize Kernel Parameter

For Oracle Database 11*g* Release 1 (11.1) on HP-UX systems, the recommended formula for calculating the `ncsize` kernel parameter is `(8*nproc+3072)`.

3.2 Swap Space Guidance

Contact your operating system vendor for swap space allocation guidance for your server. The vendor guidelines supersede the swap space requirements listed in *Oracle Database Installation Guide* and *Oracle Clusterware Installation Guide*.

4 Software Contents in the Installation Media Pack

The media pack for this release consists for the following DVDs:

- For HP-UX PA-RISC:
  - Oracle Database 11*g* Release 1 (11.1.0.6.0) for HP-UX PA-RISC - This DVD contains the Oracle Database software, installation guides for each product installation type, such as Oracle Database, Oracle Database Client, Oracle Clusterware, and Oracle Real Application Clusters, Oracle Database Quick Installation Guide, Oracle Database Client Quick Installation Guide, and Oracle Database Release Notes for this HP-UX PA-RISC.
  - Oracle Database Documentation Library (11.1.0.6.0) - This DVD contains the documentation library for Oracle Database 11*g*.
- For HP-UX Itanium:
  - Oracle Database 11*g* Release 1 (11.1.0.6.0) for HP-UX Itanium - This DVD contains the Oracle Database software, installation guides for each product installation type, such as Oracle Database, Oracle Database Client, Oracle Clusterware, and Oracle Real Application Clusters, Oracle Database Quick Installation Guide, Oracle Database Client Quick Installation Guide, and Oracle Database Release Notes for HP-UX Itanium.
  - Oracle Database Documentation Library (11.1.0.6.0) - This DVD contains the documentation library for Oracle Database 11*g*.

5 Installation, Configuration, and Upgrade Issues

Review the following sections for information about issues that affect Oracle Database installation, configuration, and upgrade:

- Latest Upgrade Information
- New Installation Media to Install Oracle HTTP Server
- Error in Copying Files While Upgrading Oracle Database 10g Release 2 to Oracle Database 11g
- Oracle Enterprise Manager Configuration Fails During Dataguard Rolling Upgrade
- Oracle Universal Installer Displays Single Instance Install Option for Oracle RAC
- Restarting the Listener for the Remote Node Displays an Error
- The /etc/oratab File Lists Multiple Automatic Storage Management Instances
- Installation, Configuration, and Upgrade Issues on HP-UX PA-RISC
- Oracle Universal Installer Warnings

5.1 Latest Upgrade Information

For late-breaking updates and best practices about preupgrade, post-upgrade, compatibility, and interoperability discussions, refer to Note 601807.1 on My Oracle Support (formerly Oracle*MetaLink*) (`https://support.oracle.com/`) that links to "Oracle 11*g* Upgrade Companion" page.

5.2 New Installation Media to Install Oracle HTTP Server

Use the Oracle Fusion Middleware Web Tier Utilities 11*g* (11.1.1.2.0) media to install Oracle HTTP Server.

5.3 Error in Copying Files While Upgrading Oracle Database 10*g* Release 2 to Oracle Database 11*g*

When you start upgrading second node from Oracle Database 10*g* Release 2 to Oracle Database 11*g*, an error message is displayed while copying files during the upgrade process.

Workaround: Run the upgrade session from the node on which you initially installed Oracle RAC.

This issue is tracked with Oracle bug 6501871.

5.4 Oracle Enterprise Manager Configuration Fails During Dataguard Rolling Upgrade

When performing Dataguard rolling upgrade from Oracle Database 10*g* Release 2 (10.2.0.3) using Oracle Database Upgrade Assistant, Oracle Enterprise Manager displays an error message.

This issue is tracked with Oracle bug 6594642.

5.5 Oracle Universal Installer Displays Single Instance Install Option for Oracle RAC

When installing Oracle RAC using Oracle Universal Installer downloaded from Oracle Technology Network (OTN), it displays the Select Installation Method screen with Basic Installation and Advanced Installation options. This screen is specific to single instance installation. For Oracle RAC installation, the Select Installation Type screen should have been displayed.

Workaround: Continue with the installation by selecting **Advanced Installation** and clicking **Next**. Oracle universal Installer displays the Select Installation Type screen. Proceed with the rest of the Oracle RAC installation, as usual.

> **Note:** This issue does not occur if you install Oracle RAC from the purchased product, such as the hard media or download the product from Oracle Electronic Product Delivery (EPD).

This issue is tracked with Oracle bug 6643733.

5.6 Restarting the Listener for the Remote Node Displays an Error

If you perform custom installation to install additional components in an existing Oracle RAC database home on Oracle Clusterware, then Oracle database instance and listeners are not started after the installation is complete. You can run the *Oracle_home*/bin/srvctl command to display the status of Oracle database instance and listeners. When you try to start the listener for the remote node, the following error message is displayed:

```
TNS-01151: Missing listener name, LISTENER_NODE_NAME, in LISTENER.ORA
```

Workaround: Complete the following procedure for the remote nodes on which the listener displayed an error message:

1. Note the list of nodes on which the additional component installation is being performed. Write down the list of nodes selected in the Node Selection Page in Oracle Universal Installer.
2. For each node selected in step 1, use the following command to backup *Oracle_home*/network/admin to *Oracle_home*/network/admin.orig before proceeding with the installation:

   ```
   $ cp -R Oracle_home/network/admin Oracle_home/network/admin.orig
   ```

3. For each node selected in step 1, use the following command to restore *Oracle_home*/network/admin.orig to *Oracle_home*/network/admin after completing the installation:

   ```
   $ cp -R Oracle_home/network/admin.orig Oracle_home/network/admin
   ```

4. Run the following command on local node for each nodes selected in step 1:

   ```
   $ Oracle_home/bin/srvctl start listener -n node_name
   ```

5. If the Oracle Database instance for the remote node is down because of the listener, then start the Oracle database an instances that are down using the following command:

   ```
   $ Oracle_home/bin/srvctl start databse -d database_name
   ```

This issue is tracked with Oracle bug 6412150.

5.7 The /etc/oratab File Lists Multiple Automatic Storage Management Instances

If you install Oracle Clusterware on share Oracle home, the `/etc/oratab` file lists multiple Automatic Storage instances.

Workaround: Oracle Universal Installer detects this issue during the pre-requisition checks. You can either edit the `/etc/oratab` file or ignore the error during installation.

The issue is tracked with Oracle bug 5942123.

5.8 Installation, Configuration, and Upgrade Issues on HP-UX PA-RISC

The following is HP-UX PA-RISC specific issue that affects Oracle Database installation, configuration, and upgrade:

> **Note:** The issues mentioned in this section are observed only on HP-UX RA-RISC.

5.8.1 Oracle Database Configuration Assistant and Oracle Database Upgrade Assistant Fail to Start

When installing Oracle Database 11*g* (11.1.0.6.0) software with create or upgrade database option, Oracle Database Configuration Assistant and Oracle Database Upgrade Assistant fail to start and Oracle Universal installer displays the `OUI-25301` error message.

When running Oracle Database Configuration Assistant or Oracle Database Upgrade Assistant after the installation, the following error message is displayed:

```
java.lang.UnsatisfiedLinkError: $ORACLE_HOME/lib/libOsUtils.so
```

This issue is noticed only on HP 9000/700 workstations.

Workaround: To resolve this issue, complete the following procedure before starting Oracle Universal Installer, Oracle Database Configuration Assistant, or Oracle Database Upgrade Assistant:

1. Run the following command to set the `JAVA64FLAG` variable:

   ```
   $ export JAVA64FLAG="-d64"
   ```

2. Start Oracle Universal Installer, Oracle Database Configuration Assistant, or Oracle Upgrade Assistant.

This issue is tracked with Oracle bug 6628285.

5.9 Oracle Universal Installer Warnings

If you encounter the following Oracle Universal Installer warning when you are installing Oracle Database 11*g*, then you can ignore them:

- If you have installed a compiler version later than the one listed in Oracle database prerequisite checks, then the Oracle Universal Installer displays a non

compatibility warning message. This message can be ignored, if the newer versions of the compilers installed are displayed on the vedors site.

- ANSI/C is one of the certified compiler for Pro* C/C++, Oracle Call Interface, Oracle C++ Call Interface and Oracle Xml Developers Kit. If you have installed other certified compilers, then you can ignore the warning message.

6 Other Known Issues

The following sections contain information about issues related to Oracle Database 11*g* and associated products:

- Location of the Memory Mapped Files
- Oracle Clusterware Node Addition in Vendor Cluster Environment
- Remote Copy Error On HP-UX Itanium
- Hostname Length Restriction for Oracle Clusterware on HP-UX Itanium
- Reactivate the OC4JADMIN User for Oracle Ultra Search

6.1 Location of the Memory Mapped Files

When a PL/SQL unit is compiled using `PLSQL_CODE_TYPE=NATIVE` in Oracle Database 11*g*, the resulting machine code is loaded into an operating system shared memory object before it is copied to the database catalog. Additionally, when the native code is fetched from the catalog for execution, it is first loaded into a shared memory object. On HP, these shared memory objects are memory mapped files, which are staged in a directory automatically created by Oracle under the `dbs` subdirectory of the directory specified by the environment variable `ORACLE_HOME`. If you need to change the location of the staging directory, contact Oracle support.

6.2 Reactivate the OC4JADMIN User for Oracle Ultra Search

The `OC4JADMIN` user is deactivated during the Oracle Database 11*g* installation process. After the installation is complete, you must modify the `$ORACLE_HOME/oc4j/j2ee/OC4J_SEARCH/config/system-jazn-data.xml` file. Replace the following content of the file:

```
<user deactivated="true">
<name>oc4jadmin</name>
<display-name>OC4J Administrator</display-name>
<description>OC4J Administrator</description>
```

with:

```
<user>
<name>oc4jadmin</name>
<display-name>OC4J Administrator</display-name>
<description>OC4J Administrator</description>
```

Use the following commands to restart the Oracle Ultra Search middle tier in the Oracle Database:

```
$ $ORACLE_HOME/bin/searchctl stop
$ $ORACLE_HOME/bin/searchctl start
```

6.3 Oracle Clusterware Node Addition in Vendor Cluster Environment

When adding a node to the Oracle Clusterware in a vendor cluster environment that uses host names with fully qualified domain names, the `rootaddnode.sh` utility displays the following error message:

```
PRKO-2006 : Invalid node name: NODE_NAME
```

Workaround: For each node that is being added to the Oracle Clusterware, run the following command:

```
srvctl add nodeapps -n node_name_without_fully_qualified_ domain_name -A
node-vip/netmask/Interfaces
```

Note: To find the node name and virtual IP address/netmask/interface to be used for the newly added nodes, you can refer to values set for the following variables in the `rootaddnode.sh` script:

```
CRS_NEW_NODE_NAME_LIST=
CRS_NEW_NODEVIPS=
NETMASK=
NETIFs=
```

To find if the vendor clusterware is configured, run the `$ORA_CRS_HOME/bin/lsnodes` command. The `lsnodes` command displays the list of nodes in this case.

You can refer to `rootaddnode.sh` for the value that `ORA_CRS_HOME` is set to.

This issue is tracked with Oracle bug 6617499.

6.4 Remote Copy Error On HP-UX Itanium

When you upgrade Oracle Clusterware 10*g* Release 2 (10.2.0.4) to Oracle Clusterware 11*g* Release 1 (11.1.0.6), some of the directory transfer to remote nodes may fail.

Workaround: Execute the following commands on all nodes after installing Oracle Clusterware 10.2.0.4 and before installing Oracle Clusterware 11.1.0.6:

```
mv $OH/jdk/jre/javaws/javaws $OH/jdk/jre/javaws/javaws.orig
ln -s $OH/jdk/jre/javaws/javaws.orig $OH/jdk/jre/javaws/javaws
```

After running `preupdate.sh` on the nodes to be upgraded, perform the following steps on each node before installing Oracle Clusterware 11.1.0.6:

1. Check if `$ORACLE_HOME/lib/libskgxn2.so` is link or real file
2. If $ORACLE_HOME/lib/libskgxn2.so is a link, then perform the following:
   - `cp libskgxn2.so libskgxn2.so.tmp`
   - `rm libskgxn2.so`
   - `mv libskgxn2.so.tmp libskgxn2.so`

   If `$ORACLE_HOME/lib/libskgxn2.so` is a real file, then no action is required.

3. Repeat steps 1 and 2 for `$ORACLE_HOME/lib32/libskgxn2.so`

This issue is tracked with Oracle bug 6941657.

6.5 Hostname Length Restriction for Oracle Clusterware on HP-UX Itanium

On HP-UX Itanium, the hostname for cluster member nodes must be no greater than 8 characters.

This issue is tracked with Oracle bug 7173632.

7 Documentation Corrections and Additions

This section lists the following corrections to the installation guides for HP-UX:

Appendix H, "Database Limits" of *Oracle Database Administrator's Reference for Linux and UNIX* guide states the incorrect value for control files as 20000 database blocks. The correct value is 25000 control file blocks with a block size of 4096 bytes

8 Documentation Accessibility

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