

Oracle® Database

Release Notes

10g Release 2 (10.2) for HP-UX PA-RISC (64-Bit)

B19067-04

February 2006

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* and may be updated after it is released.

This document may be updated after it is released. To check for updates to this document and to view other Oracle documentation, select the Documentation link or the Software & Patches link on the Oracle Database 10g release 2 Beta Program Web site.

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/technology/documentation/>

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

This document contains the following topics:

- [Certification Information](#)
- [Unsupported Products](#)
- [Preinstallation Requirements](#)
- [Documentation Corrections and Additions](#)
- [Software Contents on Installation Media](#)
- [Installation, Configuration, and Upgrade Issues](#)
- [Other Known Issues](#)
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1 Certification Information

The latest certification information for Oracle Database 10g release 2 (10.2) is available on *OracleMetaLink* at:

<http://metalink.oracle.com>

2 Unsupported Products

The following products are not supported with Oracle Database 10g release 2 (10.2):

- Grid Control Support
Oracle Database 10g release 2 (10.2) can be managed as a target by Grid Control 10.1.0.4. However, Oracle Database 10g release 2 is not supported by Grid Control 10.1.0.4 as a repository.
- Radius with the CHAP protocol
- Network Attached Storage (NAS) Devices
Network Attached Storage (NAS) Devices are not supported on HP-UX 11.11
- Oracle ODBC Driver
- Hyper-Messaging Protocol (HMP) is not supported for Oracle Clusterware and RAC 10g release 2.

3 Preinstallation Requirements

Refer to the installation guides for the preinstallation requirements.

4 Documentation Corrections and Additions

None

5 Software Contents on Installation Media

The following products and documentation are located on the first DVD:

- Oracle Database 10g release 2 (10.2) software and documentation
- Oracle Database Companion Products 10g release 2 (10.2) software and documentation
- Oracle Database 10g release 2 (10.2) Documentation Library

The following products and documentation are located on the second DVD:

- Oracle Clusterware 10g release 2 (10.2) software and documentation
- Oracle Database Client 10g release 2 (10.2) software and documentation
- Oracle Gateway 10g release 2 (10.2) software and documentation
- Oracle Database 10g release 2 (10.2) Documentation Library

6 Installation, Configuration, and Upgrade Issues

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

- [Oracle Real Application Clusters \(RAC\) Support](#)
- [Adding a Node to a Shared Oracle Clusterware Configuration](#)
- [Installing Enterprise Security Manager](#)
- [Upgrading Cluster Ready Services \(CRS\) from Release 10.1.0.2](#)
- [extjob Executable Required Directory Permissions](#)
- [Modifying a Virtual IP Address Node Application](#)

- [Network Attached Storage for RAC Databases](#)

6.1 Oracle Real Application Clusters (RAC) Support

The list of supported installation options and supported storage types for Oracle Clusterware, Oracle Real Application Clusters, and vendor clusterware are described in this section. Oracle plans to support additional Oracle Clusterware and RAC configurations in the future. Please check for updates to this document for the latest list of supported installation scenarios on the OTN Web site at:

<http://www.oracle.com/technology/documentation/>

Supported Oracle Real Application Clusters Configurations at the Time of This Publication

Oracle supports the software and storage configurations shown in the following table:

Oracle 10g (10.2) Software			Supported Configurations					
Product	Existing Clusterware	Home Storage	File Storage ¹	New Install	Upgrade from Version 10.1	Upgrade from Oracle9i	Add Node	Delete Node
Oracle Clusterware	N/A	Local (not shared) CRS home	NAS	Yes	Yes	N/A	No	No
			Raw	Yes	Yes	N/A	No	No
		Shared CRS home on NAS	NAS	Yes	Yes	N/A	No	No
RAC	Oracle Clusterware	Local (not shared) Oracle home	ASM	No	No	N/A	No	No
			NAS	Yes	Yes	No	No	No
			Raw	No	Yes	No	No	No
		Shared Oracle home on NAS	ASM	No	No	N/A	No	No
			NAS	Yes	No	No	No	No
RAC	Oracle Clusterware and Service-Guard	Local (not shared) Oracle home	ASM	Yes	No	N/A	No	No
			NAS	No	No	No	No	No
			Raw	No	No	Yes	No	No
		Shared Oracle home on NAS	ASM	Yes	No	N/A	No	No
			NAS	Yes	No	No	No	No

¹ For Oracle Clusterware, the stored files are the OCR and voting disk; for RAC, the stored files are the database files.

Note: NAS is supported on HP-UX 11.23 only.

6.2 Adding a Node to a Shared Oracle Clusterware Configuration

Before running `root.sh` in the first node of a shared Oracle Clusterware home, add the following line in the `$ORA_CRS_HOME/opmn/conf/ons.config` file:

```
usesharedinstall=true
```

This issue is tracked with Oracle bug 4454562.

6.3 Installing Enterprise Security Manager

To install Oracle Security Manager, install Oracle Client and then select the Administrator installation type.

6.4 Upgrading Cluster Ready Services (CRS) from Release 10.1.0.2

When upgrading CRS release 10.1.0.2, activate the volume group before running the `rootupgrade` script. Use the following command to activate the volume group:

```
vgchange -a s vg1
```

where `vg1` is the volume group that stores the OCR and voting disks.

6.5 extjob Executable Required Directory Permissions

To enable the `extjob` executable to locate required libraries, the `$ORACLE_HOME/lib` directory and all of its parent directories must have execute permissions for `group` and `other`.

6.6 Modifying a Virtual IP Address Node Application

When modifying the name, IP address, or netmask of an existing virtual IP address (VIP) resource, use the following command:

```
srvctl modify nodeapps
```

and include the existing interfaces for the VIP in the `-A` argument. For example:

```
srvctl modify nodeapps -n mynode1 -A 100.200.300.40/255.255.255.0/eth0
```

This issue is tracked with Oracle bug 4500688.

6.7 Network Attached Storage for RAC Databases

NAS is supported on HP 11.23 as a shared storage for RAC. To use NAS as a shared storage for RAC, apply the `PHNE_32055` patch.

7 Other Known Issues

The following sections contain information about issues related to Oracle Database 10g and associated products:

- [Cluster Verification Utility](#)
- [Importing a User Certificate Into Oracle Wallet Using Oracle Wallet Manager](#)
- [Patch for libc:siglongjmp\(\)](#)

- [Removing Metrics for Wait Classes Removes Them Permanently](#)

7.1 Cluster Verification Utility

Review the following topics before using Cluster Verification Utility.

Third Party Clusterware

If the deployment environment does not use ServiceGuard, ignore the ServiceGuard version, ServiceGuard extension version, and patch PHSS_32732 errors reported by Cluster Verification Utility (CVU).

On HP-UX 11.11:

- M/C service guard 11.16.00 :: ServiceGuard A.11.16.00
- Clusterware patches: PHSS_32732, ServiceGuard Extension for RAC Bundle A.11.16.00 :: SG-NMAPI, A.11.16.00

On HP-UX 11.23:

- M/C service guard 11.16.00
- Clusterware Patches: PHSS_32740, ServiceGuard Extension for RAC Bundle A.11.16.00

Check Kernel Parameter Settings

CVU does not check kernel parameter settings.

This issue is tracked with Oracle bug 4565046.

Raw Devices Shared Storage

Cluster Verification Utility validates the readiness of a cluster to install Oracle Clusterware and RAC, and create databases. It also helps verify the integrity of individual cluster components. CVU does not discover raw disks, or perform shared checks for raw disks.

Note: Cluster Verification Utility will not provide formatted output for the GoldApps patches. It will list the individual patches in a single line.

7.2 Importing a User Certificate Into Oracle Wallet Using Oracle Wallet Manager

Oracle Wallet Manager will fail to recognize the user certificate as valid if you capture the user certificate contents from the Oracle Certificate Authority site and save this as a flat file. This is because when saving as a flat file, all the lines of the user certificate are run together with no line breaks.

Workaround: Edit the user certificate. Insert a new line after
-----BEGIN CERTIFICATE----- and a new line before
-----END CERTIFICATE-----.

7.3 Patch for libc:siglongjmp()

Oracle recommends that you use the PHCO_33711 patch for the JAGaf71110 defect. Contact HP support to get this patch.

7.4 Removing Metrics for Wait Classes Removes Them Permanently

Do not remove the key values for the wait class metrics. Doing so removes them permanently and currently there is no easy way to recover them.

This issue is tracked with Oracle bug 4602952.

8 Documentation Accessibility

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Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

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TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

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