

Oracle® Database

Release Notes

10g Release 2 (10.2) for hp-ux PA-RISC (64-Bit)

B19067-03

November 2005

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.

To check for updates to this document and to view other Oracle documentation, see 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](#)
- [Installation, Configuration, and Upgrade Issues](#)
- [Cluster Verification Utility](#)
- [Network Attached Storage for RAC Databases](#)
- [Software Contents on Installation Media](#)
- [Other Known Issues](#)
- [Documentation Accessibility](#)

1 Certification Information

The latest certification information for Oracle Database 10g release 2 (10.2) is available 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. Oracle Database 10g release 2 is not supported by Grid Control 10.1.0.4 as a repository.

- Network Attached Storage (NAS) Devices are not supported on HP-UX 11.11
- Oracle ODBC Driver
- Radius with the CHAP protocol
- On hp-ux PA-RISC (64-Bit), Hyper-Messaging Protocol (HMP) is not supported for Oracle Clusterware and RAC 10g release 2.

3 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 Oracle Security Manager](#)
- [Upgrading Cluster Ready Services \(CRS\) from Release 10.1.0.2](#)
- [Modifying a Virtual IP Address Node Application](#)
- [Pinging the Gateway for VIP Address](#)
- [listener.ora File Corrections](#)

3.1 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

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
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.

3.2 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.

3.3 Installing Oracle Security Manager

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

3.4 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:

```
varyonvg -c vg1
```

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

3.5 Modifying a Virtual IP Address Node Application

When modifying the name, IP address, or netmask of an existing virtual IP address (VIP) resource, run 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.

3.6 Pinging the Gateway for VIP Address

In Chapter 2, Preinstallation, the section IP Address Requirements contains the following sentence:

During installation, OUI pings the VIP, so ensure that the VIP responds to a ping command before starting installation.

This information is incorrect. The following is the correct information:

During installation, OUI pings the gateway to ensure that the VIP is reachable. Therefore, you should ensure that the default gateway responds to a ping command. To find the default gateway, use the `route` command. Refer to your operating system help for details.

3.7 listener.ora File Corrections

In Chapter 9, Understanding the Oracle Real Application Clusters Installed Configuration, the section *"How Oracle Uses the Listener (listener.ora File)"* contains a sample `listener.ora` file. The parameter entry, `(IP=FIRST)`, should be added to the second address parameter of the `listener_node1` definition. Additionally, two closing parentheses are required at the end of the `sid_list_listener_node1` definition. The revised example should look like this:

```
listener_node1=
  (description=
    (address=(protocol=ipc) (key=extproc))
    (address=(protocol=tcp) (host=node1-vip) (port=1521) (IP=FIRST))
    (address=(protocol=tcp) (host=node1-ip) (port=1521)))
sid_list_listener_node1=
  (sid_list=
    (sid_desc=
      (sid_name=plsextproc)
      (oracle_home=/private/system/db)
      (program=extproc)))
```

4 Cluster Verification Utility

Third Party Clusterware

If your 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.

5 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.

6 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

7 Other Known Issues

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

- [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 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-----.

7.2 Patch for libc:siglongjmp()

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

7.3 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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Accessibility of Code Examples in Documentation

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