

Oracle® Database

Release Notes

10g Release 2 (10.2) for Solaris Operating System (SPARC 64-Bit)

B15689-03

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](#)
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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.

- JDBC 1.2 driver is not supported on Solaris 10
- Radius with the CHAP protocol
- Sun Cluster 3.1 is not certified on Solaris 10
- Verity

Verity filters used for Oracle Text are not supported on Solaris 10.

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](#)
- [Installing Oracle Database on a Computer With an Existing Automatic Storage Management Instance](#)
- [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	None	Local (not shared) CRS home	NAS	Yes	Yes	N/A	No	No
			Raw	Yes	Yes	N/A	Yes	Yes
		Shared CRS home on NAS	NAS	Yes	Yes	N/A	No	No
RAC	Oracle Clusterware	Local (not shared) Oracle home	ASM	Yes	No	N/A	No	No
			NAS	No	Yes	No	No	No
			Raw	No	No	No	Yes	Yes
		Shared Oracle home on NAS	ASM	No	No	N/A	No	No
			NAS	Yes	Yes	No	No	No
RAC	Oracle Clusterware & Sun-Cluster	Local (not shared) Oracle home	ASM	Yes	No	N/A	Yes	Yes
			NAS	Yes	No	No	No	No
			Raw	Yes	No	Yes	Yes	No
		Shared Oracle home on NAS	ASM	No	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.

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 Installing Oracle Database on a Computer With an Existing Automatic Storage Management Instance

Oracle Universal Installer displays an error message that reads 0. This message is displayed after you specify the database home and path in the Specify Home

Details screen and click Next. Ignore the error message whenever it is displayed, and continue the installation.

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 SunCluster, ignore the SunCluster version, ORCLUdlm version, and patch 113800-06 errors reported by Cluster Verification Utility (CVU).

If your deployment environment is Solaris 9, then the expected patch for SunCluster is 113801 instead of patch 113800-06. In addition, ignore kernel parameter SHMMIN and SHMSEG errors reported by Cluster Verification Utility (CVU).

Missing Patch Error Message

When CVU finds a missing patch, it reports a `xxxx patch is unknown` error. This should be read as `xxxx patch is missing`.

This issue is tracked with Oracle bug 4566437.

Raw Devices Shared Storage and Veritas Logical Volumes

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 discovers raw disks, and performs shared checks for raw disks and Veritas logical volumes by verifying the unique "storage signature" across all nodes. However, it does not check whether the device is actually writeable or readable by the `oracle` user.

5 Network Attached Storage for RAC Databases

To use NAS as a shared storage for RAC, apply the following patches:

- Patch 112168-03 for Solaris 8
- Patch 114388-03 for Solaris 9

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:

- [Materialized View and Partition Change Tracking Rewrite](#)
- [Host-Based Mirroring](#)
- [Oracle ODBC Driver Limitations](#)
- [Importing a User Certificate Into Oracle Wallet Using Oracle Wallet Manager](#)

7.1 Materialized View and Partition Change Tracking Rewrite

When the query has single column in-lists, the materialized view has ranges, and partition change tracking rewrite is used, you might get stale results with Query Rewrite. Turn off the fresh partition containment rewrite to avoid this problem by using the following command:

```
SQL> alter session set "_query_rewrite_fpc" = false;
```

7.2 Host-Based Mirroring

The host-based mirroring is not supported with ASM. Note that there is no issue with resilvering for storage based mirroring.

Workaround: Use ASM redundancy.

This issue is tracked with Oracle bug 4466206.

7.3 Oracle ODBC Driver Limitations

Oracle ODBC driver for Solaris does not work if you use the REAL data type for a column and the application tries to retrieve data as native double or float data type through PL/SQL stored procedure.

Workaround: Instead of the REAL data type, use the NUMBER(s,p) data type while creating a table.

This issue is tracked with Oracle bug 4551566.

7.4 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-----.

7.5 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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