

Oracle® Database

Release Notes

11g Release 2 (11.2) for Solaris Operating System

E10847-02

December 2009

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/technology/documentation/>

This document contains the following topics:

- [Certification Information](#)
- [Unsupported Products](#)
- [Preinstallation Requirements](#)
- [Installation, Configuration, and Upgrade Issues](#)
- [Other Known Issues](#)
- [Documentation Accessibility](#)

1 Certification Information

The latest certification information for Oracle Database 11g Release 2 (11.2) is available on My Oracle Support (formerly OracleMetaLink) at:

<https://support.oracle.com>

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*.

Database Smart Flash Cache Support

Database Smart Flash Cache is supported on Solaris and Oracle Enterprise Linux only.

Oracle Automatic Storage Management Cluster File System and Oracle Automatic Storage Management Dynamic Volume Manager Support

Oracle Automatic Storage Management Cluster File System and Oracle Automatic Storage Management Dynamic Volume Manager are supported only on Oracle Enterprise Linux 5.0 and Red Hat Enterprise Linux 5.0 on Linux x86 and Linux x86-64.

On Windows x64, Oracle CFS and Oracle ADVN are only supported on Windows Server 2003.

3 Preinstallation Requirements

Refer to the installation guides for the preinstallation requirements. However, the following section contains additional preinstallation requirement:

- [Setting Kernel Parameters on Solaris 10](#)

3.1 Setting Kernel Parameters on Solaris 10

On Solaris 10, setting kernel parameters in `/etc/system` is deprecated. However, if you set shared memory using project settings, then you may encounter the following error:

```
ORA-27102: out of memory
```

Workaround:

Set memory, both by using allocations with project commands, and continue to provide memory settings in `/etc/system`. For example,

To set memory to 4 GB:

1. Open `/etc/system` with a text editor, and set the following values:

```
set shmsys:shminfo_shmmax=4294967295
set shmsys:shminfo_shmmni=100
set shmsys:shminfo_shmseg=10
set semsys:seminfo_semmni=70
set semsys:seminfo_semmns=200
set shmsys:shminfo_shmmmin=1
```

2. Set project memory settings in the kernel similar to the following:

```
$ prctl -n project.max-shm-memory -r -v 4G -i project 3
$ projmod -sK "project.max-shm-memory=(privileged,4G,deny)" default
```

3. Create the project in `/etc/project` for the Oracle Database installation owner, `oracle`, and OSDBA group, `dba`, using `projects -l` so that the value persists after system restarts:

```
% projects -l ... .. OASB projid : 3 comment: "" users : oracle groups :
dba attribs: project.max-shm-memory=(privileged,4294967295,deny)
```

This issue is tracked with Oracle bug 8929233.

4 Installation, Configuration, and Upgrade Issues

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

- [Latest Upgrade Information](#)
- [ASMFS Listed As a Storage Option When Installing Oracle RAC Database](#)
- [Error When Installing the Grid Infrastructure with the Grid Naming Service \(GNS\) and the OCR and Voting Disks Stored on ASM](#)
- [Upgrading Oracle RAC from Oracle9i to Oracle Database 11g Release 2 \(11.2\)](#)

- [Incorrect SSH Location on Installation Media](#)
- [Error Message Appears During ASM Upgrade to Oracle Grid Infrastructure](#)
- [Deinstallation Tool Fails to Remove Oracle Database Gateway When Run from Oracle Home](#)
- [Trace Files Show Error Message After Oracle RAC Database Upgrade from Release 10.2.0.4 to Release 11.2](#)
- [Oracle Database Vault Configuration Assistant \(DVCA\) Fails When Adding Languages](#)

4.1 Latest Upgrade Information

For late-breaking updates and best practices about preupgrade, postupgrade, compatibility, and interoperability discussions, refer to Note 785351.1 on My Oracle Support (formerly *OracleMetaLink*) (<https://support.oracle.com/>) that links to "Oracle 11gR2 Upgrade Companion" page.

4.2 ASMFS Listed As a Storage Option When Installing Oracle RAC Database

If you install an Oracle RAC database after installing Oracle grid infrastructure for a cluster, then the Specify Database Storage Options screen indicates that "Automatic Storage Manager File System (ASMFS)" is a storage option for Oracle Database files.

Workaround:

Ignore this sentence. Either select a file system for storage, or select Automatic Storage Management.

This issue is tracked with Oracle bug 9032054

4.3 Error When Installing the Grid Infrastructure with the Grid Naming Service (GNS) and the OCR and Voting Disks Stored on ASM

When installing the grid infrastructure for Oracle Database 11g Release 2 with GNS and the OCR and voting disks on ASM, `root.sh` may fail with error

```
PROT-1: Failed to initialize ocrconfig
```

The failing command is `ocrconfig -upgrade user group`, and TNS-12560 can be found in `sqlnet` log file.

Workaround:

Check the `/etc/group` entry for the group being used by OCR, temporarily reduce the number of users listed for this group, and restart the installation.

This issue is tracked with Oracle bug 8979500.

4.4 Upgrading Oracle RAC from Oracle9i to Oracle Database 11g Release 2 (11.2)

When you install Oracle grid infrastructure (Oracle Clusterware and Oracle ASM) on clusters created using Sun Clusterware and Oracle9i Oracle Real Application Clusters (Oracle RAC), then an issue on some systems may prevent the installer from detecting which nodes are cluster members of the existing cluster.

Workaround:

If the installer does not detect all nodes of the existing cluster, then you must select manually all the nodes where Oracle9i Oracle RAC is installed. If you select only a subset of the nodes that are part of your existing Oracle 9i Oracle RAC installation, then the existing Oracle 9i Oracle RAC installation will have problems.

This issue is tracked with Oracle bug 9040596.

4.5 Incorrect SSH Location on Installation Media

The SSH setup script, `Disk1/sshsetup/sshUserSetup.sh`, fails with the following errors as the installation media shows incorrect path:

```
./sshUserSetup.sh: /usr/local/bin/ssh: not found
./sshUserSetup.sh: /usr/local/bin/ssh-keygen: not found
```

Workaround:

Copy the executables to `/usr/local/bin`:

```
cp /usr/bin/ssh-keygen /usr/local/bin/ssh-keygen
cp /usr/bin/ssh        /usr/local/bin/ssh
```

This issue is tracked with Oracle bug 9044791.

4.6 Error Message Appears During ASM Upgrade to Oracle Grid Infrastructure

The `rootupgrade.sh` script displays the following error while upgrading ASM from release 10.1.0.5 to Oracle grid infrastructure release 11.2:

```
Failure 3 at CSS context initialization
```

Workaround:

Ignore this error message and proceed with the upgrade.

This issue is tracked with Oracle bug 8853996.

4.7 Deinstallation Tool Fails to Remove Oracle Database Gateway When Run from Oracle Home

Use the standalone version of the deinstallation tool to remove Oracle Database Gateway, instead of running the deinstallation tool from the Oracle home.

This issue is tracked with Oracle bug 9039543.

4.8 Trace Files Show Error Message After Oracle RAC Database Upgrade from Release 10.2.0.4 to Release 11.2

Oracle Database Upgrade Assistant reports the following error message in the trace files after upgrading Oracle RAC database from release 10.2.0.5 to release 11.2:

```
PRKR-1078 : Database new of version 10.2.0.0.0 cannot be administered using
current version of srvctl.
```

Workaround:

Ignore this error message.

This issue is tracked with Oracle bug 8915673.

4.9 Oracle Database Vault Configuration Assistant (DVCA) Fails When Adding Languages

The command-line utility, DVCA, fails to add more languages to Oracle Database Vault giving the following error:

```
Exception in thread "main" java.lang.UnsatisfiedLinkError:  
(path)/lib/libocijdbc11.so: ld.so.1: java: fatal:  
(path)/lib/libocijdbc11.so: wrong ELF class: ELFCLASS64
```

Solution:

Add the `-d64` option when starting DVCA:

```
dvca -d64 -action addlanguages
```

This issue is tracked with Oracle bug 9151315.

5 Other Known Issues

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

- [Global Services Daemon Synchronization Issue](#)
- [Help Files Translation Issue for Spanish and French](#)

5.1 Global Services Daemon Synchronization Issue

If Global Services Daemon is enabled, then it may fail to start on all nodes of a cluster when Oracle grid infrastructure is started or when the nodes are restarted. You can verify the daemon state by running the following command:

```
srvctl status nodeapps
```

Workaround:

If required, run the following command on any one node in Oracle grid infrastructure for a cluster to start the daemon on all the nodes:

```
srvctl start nodeapps
```

This issue is tracked with Oracle bug 9075123.

5.2 Help Files Translation Issue for Spanish and French

Oracle Universal Installer does not copy the translated help files to Oracle database home directory when you select the Spanish or French language.

Workaround:

On the Select Product Languages page, select both the Latin American Spanish and Spanish to get the help files translated in Spanish; and select both the Canadian French and French for the translated help files in French.

This issue is tracked with Oracle bug 9147106.

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