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:


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
- Installation, Configuration, and Upgrade Issues
- Other Known Issues
- Documentation Corrections and Additions
- Documentation Accessibility

1 Certification Information

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

https://support.oracle.com
Oracle ODBC Certification
Starting with Oracle Database 11g release 1 (11.1.0.6), Oracle ODBC driver is supported on Solaris SPARC. Oracle ODBC driver uses gcc 3.4.5 for compilation instead of the native compilers on Solaris SPARC 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
Refer to the installation guides for the preinstallation requirements. However, the following section contains additional preinstallation requirements:

- Required UDLM Package for Sun Cluster on SPARC
- Required Update for Oracle Solaris on SPARC (64-Bit)
- Swap Space Guidance

3.1 Required UDLM Package for Sun Cluster on SPARC
If you plan to use Sun Cluster with Solaris Operating System (SPARC 64-bit), then install ORCLudlm 64-Bit reentrant 3.3.4.10. This requirement supersedes the UDLM version listed in Oracle Clusterware Installation Guide for Solaris Operating System.
This issue is tracked with Oracle bug 8795539.

3.2 Required Update for Oracle Solaris on SPARC (64-Bit)
On trying to install Oracle Database 11g release 1 on Oracle Solaris on SPARC (64-Bit) with update 5 or lower installed, Oracle Universal Installer reports the following error:
The 11g compatible version of operating system update is not present.
To workaround this issue, perform the following steps:

- Install Solaris 9 update 6 or higher on Oracle Solaris on SPARC (64-Bit):
  % cat /etc/release | grep s9s
  Solaris 9 9/04 s9s_u6wos_04a SPARC
  In the output of the command, _u6 refers to update 6 of Solaris 9.

- Ensure the required version of Solaris package is installed:
  % /bin/pkginfo -l SUNWsolnm | grep VERSION
  VERSION: 9,REV=2004.03.22.13.18
  If the revision date is prior to the date provided, order a newer version of the package, and install it on the server.

- Install Oracle Database 11g release 1.
3.3 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 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
- Determining Size of Configured Swap Space
- 32-bit Java Refers to the 64-bit libocijdbc11.so Library
- Database Instance Fails to Start After Upgrading From Oracle Database 10g Release 1
- Database Upgrade Assistant Fails to Stop Oracle9i Database
- Error in Copying Files While Upgrading Oracle Database 10g Release 2 to Oracle Database 11g
- Oracle Database Configuration Assistant Fails to Start
- Help Button is not Working in Oracle Database Installation
- Oracle Enterprise Manager Configuration Fails During Data Guard Rolling Upgrade
- Oracle Enterprise Manager Database Control Fails During Database Upgrade
- Oracle Universal Installer Displays a Warning Message
- The /var/opt/oracle/oratab File Lists Multiple Automatic Storage Management Instances
- The *.err File is Created While Removing Automatic Storage Management with Database

4.1 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 OracleMetaLink)(https://support.oracle.com/) that links to 'Oracle 11g Upgrade Companion' page.

4.2 New Installation Media to Install Oracle HTTP Server

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

4.3 Determining Size of Configured Swap Space

To determine the size of the configured swap space, enter the following command:

```
# /usr/sbin/swap -l
```
4.4 32-bit Java Refers to the 64-bit libocijdbc11.so Library

32-bit Java refers to the 64-bit $ORACLE_HOME/lib/libocijdbc11.so library and displays an exception.

Workaround: Set the LD_LIBRARY_PATH variable to $ORACLE_HOME/lib32.
This issue is tracked with Oracle bug 5507215.

4.5 Database Instance Fails to Start After Upgrading From Oracle Database 10g Release 1

When you upgrade Oracle Database 10g Release 1 (10.1.0.4) to Oracle Database 11g, the database instance fails to start after the rootupgrade.sh script is run and an error message is displayed.

Workaround: Complete one of the following options to address this issue:

- One each node, complete the following procedure:
  1. Open the racgwrap script available under 10.1.0.4 RAC_home in an editor, such as vi editor.
  2. Add the following lines to the script:

     LD_LIBRARY_PATH_64=$ORACLE_HOME/lib:$LD_LIBRARY_PATH_64
     export LD_LIBRARY_PATH_64

- Attempt the upgrade from Oracle Database 10g Release 1 (10.1.0.5) to Oracle Database 11g.

4.6 Database Upgrade Assistant Fails to Stop Oracle9i Database

When upgrading Oracle9i database to Oracle Database 11g, Database Upgrade Assistant fails to stop the Oracle9i database on Oracle Clusterware.

Workaround: Complete the following procedure to resolve this issue:

1. Run the following commands on each node in Oracle Clusterware:

   $CRSHome/bin/crsuser add Oracle_92_user_domain/Oracle_92_username
   $CRSHome/bin/crs_setperm ora.node_name.gsd -o Oracle_92_user_domain/Oracle_92_username

2. From any node in the cluster, run the following commands for each node configured in the cluster:

   $CRSHome/bin/crs_stop -f ora.node_name.gsd
   $CRSHome/bin/crs_start ora.node_name.gsd

   **Note:** To find the list of nodes in the cluster, run the $CRSHome\bin\olsnodes command.

This issue is tracked with Oracle bug 6499906.
4.7 Error in Copying Files While Upgrading Oracle Database 10g Release 2 to Oracle Database 11g

When you start upgrading second node from Oracle Database 10g Release 2 to Oracle Database 11g, 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.

4.8 Help Button is not Working in Oracle Database Installation

When installing Oracle Database 11g, if you click Help, then Oracle Universal Installer does not display the help page for the Run Root.sh screen.

This issue is tracked with Oracle bug 6503397.

4.9 Oracle Database Configuration Assistant Fails to Start

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

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

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

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

1. Run the following command to set the JAVA64FLAG variable:
   
   $ export JAVA64FLAG="-d64"

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

This issue is tracked with Oracle bug 6628285.

4.10 Oracle Enterprise Manager Configuration Fails During Data Guard Rolling Upgrade

When performing Data Guard rolling upgrade from Oracle Database 10g 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 6597505.

4.11 Oracle Enterprise Manager Database Control Fails During Database Upgrade

When performing upgrade from Oracle Database 10g Release 1 (10.1.0.4), Oracle Enterprise Manager Database Control fails and displays the following error message:

QUEUE SYSMAN.MGMT_NOTIFY_Q does not exist
**Workaround:** To resolve this issue, run the following SQL command as SYSMAN user before performing the upgrade:

```sql
SQL> BEGIN
SQL>  DBMS_AQADM.CREATE_QUEUE_TABLE (queue_table => 'SYSMAN.MGMT_NOTIFY_QTABLE', queue_payload_type => 'SYSMAN.MGMT_NOTIFY_NOTIFICATION', multiple_consumers => TRUE);
SQL>  DBMS_AQADM.CREATE_QUEUE (queue_name => 'SYSMAN.MGMT_NOTIFY_Q', queue_table => 'SYSMAN.MGMT_NOTIFY_QTABLE');
SQL>  DBMS_AQADM.START_QUEUE (queue_name => 'SYSMAN.MGMT_NOTIFY_Q');
SQL> END;
```

This issue is tracked with Oracle bug 5508403.

### 4.12 Oracle Universal Installer Displays a Warning Message

Oracle Universal Installer displays the following warning message:

```
Warning: Cannot convert string "-monotype-arial-regular-r-normal--*-140-*>*-*-*-*iso8859-1" to type FontStruct
```

```
sh: sysdef: not found
```

**Workaround:** This is a benign message and you can ignore it. Click Ok to continue with the installation process.

This issue is tracked with Oracle bug 6145402.

### 4.13 The /var/opt/oracle/oratab File Lists Multiple Automatic Storage Management Instances

If you install Oracle Clusterware on shared Oracle home, the `/var/opt/oracle/oratab` file lists multiple Automatic Storage instances.

When Automatic Storage Management Oracle home is installed in shared file system to create Automatic Storage Management instances from Oracle Universal Installer, multiple Automatic Storage Management instances are listed in the `/var/opt/oracle/oratab` file.

**Workaround:** Oracle Universal Installer detects this issue during the prerequisite checks. You can edit the `/var/opt/oracle/oratab` file in each node and remove the entries that are not part of that node. The alternative is to install the software, run the `root.sh` script on all nodes and create Automatic Storage Management instance by running Database Configuration Assistant.

The issue is tracked with Oracle bug 5942123.

### 4.14 The *.err File is Created While Removing Automatic Storage Management with Database

When you remove Automatic Storage Management with database, the *.err log file is created under the under the `$ORACLE_BASE\oraInventory\logs` directory. This file shows that some error was generated when removing Automatic Storage Management with database.

This issue is tracked with Oracle bug 6369645.
5 Other Known Issues

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

- Reactivate the OC4JADMIN User for Oracle Ultra Search
- Same Location for Symbolic links to Oracle Instant Client Libraries Does not Work
- Oracle Clusterware Node Addition in Vendor Cluster Environment

5.1 Reactivate the OC4JADMIN User for Oracle Ultra Search

The OC4JADMIN user is deactivated during the Oracle Database 11g 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:

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

with:

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

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
```

5.2 Same Location for Symbolic links to Oracle Instant Client Libraries Does not Work

If you keep Oracle Instant Client libraries in different directories and create symbolic links to these libraries in the same directory, then the Oracle Instant Client mode is not turned on.

**Workaround:** All the Oracle Instant Client libraries must physically reside in the same directory.

This issue is tracked with Oracle bug 6504887.

5.3 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:

```
srvcctl add nodeapps -n node_name_without_fully_qualified_domain_name -A
```
This issue is tracked with Oracle bug 6617499.

6 Documentation Corrections and Additions

This section lists the following corrections to the Solaris installation guides:

- Incorrect Operating System Patches
- Incorrect Compiler Name
- Incorrect Control Size Value

6.1 Incorrect Operating System Patches

The "Patch Requirements" section in chapter 2 of Oracle Database Installation Guide for Solaris Operating System, lists the following incorrect values for Pro*C/C++, Pro*FORTRAN, Oracle Call Interface, Oracle C++ Call Interface, and Oracle XML Developer’s Kit (XDK). The following values are invalid:

- Patches for Solaris 9:
  - 112760-05, C 5.5: Patch for S1S8CC C compiler
- Patches for Solaris 10:
  - 117837-05: C++ compiler optimizer patch
  - 117846-08: C++ compiler Optimization patch
  - 118682-01

6.2 Incorrect Compiler Name

Chapter 2 of Oracle Clusterware Installation Guide for Solaris Operating System also incorrectly mentions Sun One Studio 11.

The correct compiler name is Sun Studio 11.

6.3 Incorrect Control Size Value

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.

7 Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at http://www.oracle.com/accessibility/.

Accessibility of Code Examples in Documentation

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

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/support/contact.html or visit http://www.oracle.com/accessibility/support.html if you are hearing impaired.
inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.