

# Oracle® Database

Release Notes

12c Release 1 (12.1) for Linux

E51263-03

July 2014

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This document contains 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) website:

<http://www.oracle.com/technetwork/indexes/documentation/index.html>

This document contains the following topics:

- [Certification Information](#)
- [Latest Upgrade Information](#)
- [Unsupported Products](#)
- [Content Specific to Oracle Database 12c Release 1 \(12.1.0.1\)](#)
- [Content Specific to Oracle Database 12c Release 1 \(12.1.0.2\)](#)
- [Documentation Accessibility](#)

## 1 Certification Information

The latest certification information for Oracle Database 12c is available on My Oracle Support at:

<https://support.oracle.com>

## 2 Latest Upgrade Information

For late-breaking updates and best practices about preupgrade, postupgrade, compatibility, and interoperability discussions, refer to Note 1462240.1 on My Oracle Support that links to the "Upgrade Companion" page.

<https://support.oracle.com>

## 3 Unsupported Products

A list of unavailable features and products is available in section, "Features Not Available or Restricted in Oracle Database 12c," in *Oracle Database Readme*.

In addition to the items listed in Section 2, "Features Not Available or Restricted in Oracle Database 12c," in *Oracle Database Readme*, the following products or features are not supported:

### **Database Smart Flash Cache Support**

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

### **Oracle Automatic Storage Management Cluster File System (Oracle ACFS) and Oracle Automatic Storage Management Dynamic Volume Manager (Oracle ADVM) Support**

Although Oracle ADVM supports raw disks in Oracle Automatic Storage Management disk groups, Oracle ADVM device special files created through raw(8) are not supported; Oracle ADVM only supports block device special files.

For the latest information about supported platforms and releases, refer to Note 1369107.1 on My Oracle Support.

<https://support.oracle.com>

### **Linking Applications with Oracle Client Libraries**

You must use the dynamic Oracle client libraries to link the client code on Linux. Do not link the static Oracle client libraries.

### **Oracle ASM Filter Driver Support**

Oracle Automatic Storage Management Filter Driver (Oracle ASMFDF) is supported on Linux only.

## **4 Content Specific to Oracle Database 12c Release 1 (12.1.0.1)**

The following content is specific to release 12.1.0.1:

- [Preinstallation Requirements for Release 12.1.0.1](#)
- [Installation, Configuration, and Upgrade Issues for Release 12.1.0.1](#)
- [Other Known Issues for Release 12.1.0.1](#)

### **4.1 Preinstallation Requirements for Release 12.1.0.1**

Refer to the installation guides for the preinstallation requirements. Additional preinstallation requirements include the following:

- [Oracle Configuration Manager Support for SUSE Linux Enterprise Server 11](#)

#### **4.1.1 Oracle Configuration Manager Support for SUSE Linux Enterprise Server 11**

You must install the following packages to use Oracle Configuration Manager on SUSE 11:

```
glibc-devel-32bit-2.11.1-0.17.4
libgcc43-32bit-4.3.4_20091019-0.7.35
gcc-32bit-4.3-62.198
glibc-32bit-2.11.1-0.17.4
glibc-profile-32bit-2.11.1-0.17.4
glibc-locale-32bit-2.11.1-0.17.4
gcc43-32bit-4.3.4_20091019-0.7.35
```

#### **4.2 Installation, Configuration, and Upgrade Issues for Release 12.1.0.1**

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

- [INS-10008 Error During Database Installation](#)

#### 4.2.1 INS-10008 Error During Database Installation

While performing Oracle Grid Infrastructure installation, if the Grid Naming Service (GNS) and Dynamic Host Configuration Protocol (DHCP) options are selected and automatic execution of root script is enabled, the installation may fail with the following error:

```
[INS-10008] Session Initialization failed
```

##### Workaround:

Remove the directory `GI_HOME` recursively before clicking the Install button on the summary page.

This issue is tracked with Oracle bug 16196582.

### 4.3 Other Known Issues for Release 12.1.0.1

The following section contains information about issues related to Oracle Database 12c and associated products:

- [Oracle ACFS and Oracle ADVM Do Not Mount After System Restart](#)
- [Issues in Creating Oracle ACFS Volume](#)

#### 4.3.1 Oracle ACFS and Oracle ADVM Do Not Mount After System Restart

Rarely, the Oracle ACFS and Oracle ADVM devices in `/dev/asm` are set to root group ID while the udev rules file, `/etc/udev/rules.d/55-usm.rules`, specifies a different group ID. As a result, Oracle ACFS and Oracle ADVM do not mount after system restart.

##### Workaround:

Edit the `/etc/rc.local` file and add the following entry:

```
/sbin/start_udev
```

As a result, the Oracle ACFS and ADVM devices are created with the expected settings according to the udev rules file.

This issue is tracked with Oracle bug 13653789.

#### 4.3.2 Issues in Creating Oracle ACFS Volume

Oracle Automatic Storage Management Configuration Assistant (ASMCA) cannot be used to create Oracle ACFS volume with stripe column 1.

##### Workaround:

Use the `asmcmd volcreate` command or the `ALTER DISKGROUP SQL` statement to create the volume. After the volume is created, you can use ASMCA to create the Oracle ACFS file system.

This issue is tracked with Oracle bug 16347687.

## 5 Content Specific to Oracle Database 12c Release 1 (12.1.0.2)

The following content is specific to release 12.1.0.2:

- [Preinstallation Requirements for Release 12.1.0.2](#)
- [Installation, Configuration, and Upgrade Issues for Release 12.1.0.2](#)
- [Other Known Issues for Release 12.1.0.2](#)

## 5.1 Preinstallation Requirements for Release 12.1.0.2

Refer to the installation guides for the preinstallation requirements.

## 5.2 Installation, Configuration, and Upgrade Issues for Release 12.1.0.2

There are no installation, configuration, or upgrade issues at the time of this release.

## 5.3 Other Known Issues for Release 12.1.0.2

The following section contains information about issues related to Oracle Database 12c and associated products:

- [Oracle ACFS and Oracle ADVM Do Not Mount After System Restart](#)
- [Error When Running the acfsdriverstate Command](#)

### 5.3.1 Oracle ACFS and Oracle ADVM Do Not Mount After System Restart

Rarely, the Oracle ACFS and Oracle ADVM devices in `/dev/asm` are set to `root` group ID while the `udev` rules file, `/etc/udev/rules.d/55-usm.rules`, specifies a different group ID. As a result, Oracle ACFS and Oracle ADVM do not mount after system restart.

#### Workaround:

Edit the `/etc/rc.local` file and add the following entry:

```
/sbin/start_udev
```

As a result, the Oracle ACFS and ADVM devices are created with the expected settings according to the `udev` rules file.

This issue is tracked with Oracle bug 13653789.

### 5.3.2 Error When Running the acfsdriverstate Command

The `acfsdriverstate` command runs during Cluster Verification Utility (CVU) check, Oracle Universal Installer (OUI) installation, and root scripts. When running the `acfsdriverstate` command, if the current working directory is not accessible to the user, you may encounter a `permission denied` error.

#### Workaround:

Change the current working directory to a directory where the user running the command has permission to access, such as the user's home directory or `/tmp`, before running the `acfsdriverstate` command.

This issue is tracked with Oracle bug 18364777.

## 6 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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