

Oracle® Database

Release Notes

12c Release 1 (12.1) for IBM AIX on POWER Systems (64-Bit)

E18449-02

January 2014

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](#)
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- [Installation, Configuration, and Upgrade Issues](#)
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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

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

- Oracle ACFS security and encryption

- Oracle Flex Clusters
- Oracle Grid Infrastructure Management Repository

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

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

<https://support.oracle.com>

ASMLIB Support

ASMLIB is not supported.

4 Installation, Configuration, and Upgrade Issues

- [Oracle Grid Infrastructure Installation Issue](#)
- [Cluster Verification Utility \(CVU\) Prerequisite Check Issue](#)
- [Automatic SSH Configuration Issue](#)

4.1 Oracle Grid Infrastructure Installation Issue

When installing Oracle Grid Infrastructure on an IPv6 enabled host, `root.sh` may fail with the following errors:

```
CLSRSC-180: An error occurred while executing the command
'/Grid/12.1.0/grid/bin/srvctl start nodeapps -n stuzg06-ipv6'
CLSRSC-287: FirstNode configuration failed
```

Workaround:

Run the following command before running the `root.sh` file:

```
sudo autoconf6
```

This issue is tracked with Oracle bug 16523490.

4.2 Cluster Verification Utility (CVU) Prerequisite Check Issue

The CVU installer prerequisite check incorrectly flags the following operating system patches, though they are not required.

AIX 6.1

```
IV45070 - use alternate glink file when -bbitoc is used
IV44766 - new version of glink using 2-instruction TOC accesses
```

AIX 7.1

```
IV45070 - use alternate glink file when -bbitoc is used
IV30579 - new version of glink using 2-instruction TOC accesses
```

Workaround:

Ignore the error.

This issue is tracked with Oracle bug 17814858.

4.3 Automatic SSH Configuration Issue

You must install the Bash shell before performing automatic SSH configuration with Oracle Universal Installer.

This issue is tracked with Oracle bug 16044765.

5 Other Known Issues

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

- [Bad Address Issue on AIX 6.1 TL7 SP5](#)
- [OCLUMON Tool Issue](#)
- [File Permissions Commands Do Not Work in a Snapshot](#)
- [Role Permissions Issue with X Terminal](#)
- [Cluster Health Monitor \(CHM\) Command Issue](#)
- [COBOL Precompiler Issue](#)
- [Issue Related to SQL*Module for Ada Demonstration Programs](#)
- [Highly Available Virtual IP Fails to Start](#)
- [root.sh Fails to Start Oracle Cluster Synchronization Services \(CSS\)](#)
- [Cluster Health Monitor \(CHM\) Command Does Not Display Correct Metrics for Huge Pages](#)
- [Cluster Health Monitor \(CHM\) Command Does Not Display Metrics for Swap Memory](#)

5.1 Bad Address Issue on AIX 6.1 TL7 SP5

On AIX 6.1 TL7 SP5 or equivalent TL/SP combinations, the Cluster Health Monitor executable, `osysmond.bin`, fails with the following error when calling the internal API, `perfstat_netinterface`:

```
ERROR: errno=14
ERROR: errno means : Bad address
```

Workaround:

Upgrade your system to AIX 6.1 TL7 SP6 or AIX 7.1 TL1 SP6.

This issue is tracked with Oracle bug 16697958.

5.2 OCLUMON Tool Issue

The Cluster Health Monitor command, `oclumon dumpnodeview`, may intermittently fail on some nodes with the following error:

```
CRS-09104: No data available for the given nodes
```

In addition, the daemon log file shows the following:

```
[ CRFM][1029]crfm_connect_to: Wait failed with gipcret: 16 for conaddr  
[ GIPNET][1286] gipcmmodNetworkProcessAccept: slosdep : Bad file number (9)
```

Workaround:

Rerun the `oclumon dumpnodeview` command on the failing node. If the command still fails, then restart the Oracle Clusterware stack.

This issue is tracked with Oracle bug 16621227.

5.3 File Permissions Commands Do Not Work in a Snapshot

If you use `chmod` or `chown` commands with `-R` option in a snapshot, these commands do not work.

Workaround:

None

This issue is tracked with Oracle bug 16401138.

5.4 Role Permissions Issue with X Terminal

When starting a new X terminal session (or using the associated commands, such as `uxterm` and `aixterm`), the `oracle_devmgt` role necessary for the administration of Oracle Automatic Storage Management Cluster File System and Oracle Automatic Storage Management Dynamic Volume Manager is not properly set.

Workaround:

Start a new X terminal session, and run the following command:

```
$ swrole oracle_devmgt
```

This issue is tracked with Oracle bug 10040892.

5.5 Cluster Health Monitor (CHM) Command Issue

The CHM command does not display any of the I/O device metrics:

```
oclumon dumpnodeview -v
```

Workaround:

None. Use the vendor operating system commands to display the I/O device metrics.

This issue is tracked with Oracle bug 16436459.

5.6 COBOL Precompiler Issue

When you compile Pro*COBOL applications using the SQL Plan Management options on 32-bit AIX-based systems, with high system load of the SQL commands that are running, the `procob` binary may stop, and fail to generate the COBOL file.

Workaround:

On 32-bit systems, relink the `procob` binary to use a separate memory model by using the option, `-bmaxdata:0xD0000000/dsa` during linking .

This issue is tracked with Oracle bug 16847656.

5.7 Issue Related to SQL*Module for Ada Demonstration Programs

If you provide trailing spaces in the passwords while logging into Modada applications, the following error occurs:

```
ORA-1017: Invalid username/password; login denied
```

This issue is tracked with Oracle bug 16996851.

5.8 Highly Available Virtual IP Fails to Start

Highly available virtual IP may fail to start when you run `root.sh` or `rootupgrade.sh` using `sudo` command or when you start Oracle Grid Infrastructure using the following command:

```
sudo crsctl start crs
```

Workaround:

Log in as `root` and then run the `root.sh`, `rootupgrade.sh`, or the following command:

```
sudo crsctl start crs
```

This issue is tracked with Oracle bug 16445624.

5.9 root.sh Fails to Start Oracle Cluster Synchronization Services (CSS)

The `root.sh` script fails to start `ora.cssd` if the library path environment variable, `LIBPATH`, in the `root's .kshrc` file does not contain the correct `Grid_home/lib` value.

Workaround:

Do not specify `LIBPATH` in the `root's .kshrc` file, or ensure that the correct `Grid_home/lib` value is included in the `LIBPATH`.

This issue is tracked with Oracle bug 16438264.

5.10 Cluster Health Monitor (CHM) Command Does Not Display Correct Metrics for Huge Pages

The CHM command does not display correct `hugepagetotal`, `hugepagefree`, and `hugepagesize` metrics:

```
oclumon dumpnodeview -v
```

Workaround:

None. Use the vendor operating system commands to display the Huge Page metrics.

This issue is tracked with Oracle bug 16683232.

5.11 Cluster Health Monitor (CHM) Command Does Not Display Metrics for Swap Memory

The CHM command does not display `swapfree` and `swaptotal` metrics:

```
oclumon dumpnodeview
```

Or

```
oclumon dumpnodeview -v
```

Workaround:

None. Use the vendor operating system commands to display the Swap metrics.

This issue is tracked with Oracle bug 16655032.

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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