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Preface

This document describes last-minute features and changes that are not included in the Oracle Database Documentation Library for Oracle Database 21c.

Starting with Oracle Database 18c, the readme and platform-specific release notes have been combined into one document. The second chapter of this document contains generic information. Subsequent chapters of this document contain platform-specific information. The last chapter of this document contains last-minute changes not included in the Oracle Database documentation library.

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Resources](#)
- [Conventions](#)

Audience

This document is relevant only to Oracle Database 21c and documents new features, changes, unsupported products, preinstallation requirements, generic and platform-specific bug fixes, and known issues that are not included in the Oracle Database documentation library.

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 that have purchased support 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.

Related Resources

Refer to the following documentation for more information related to this release:

- <http://docs.oracle.com/en/database/database.html>
- For licensing information, refer to *Oracle Database Licensing Information User Manual*.
- Additional readme or release notes files also exist. Refer to [Other Readmes](#), [Release Notes](#), or [Installation Guides](#).

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Purpose of These Release Notes

This topic briefly describes the purpose of these release notes.

Updates to this document can occur after it is released. Check for updates to this document and view other Oracle documentation at:

<http://docs.oracle.com/en/database/database.html>

For licensing information, refer to *Oracle Database Licensing Information User Manual*.

Additional readme or release notes files also exist. Refer to the [Other Readmes, Release Notes, or Installation Guides](#).

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Issues Affecting All Platforms for Oracle Database 21c

These topics contain last-minute features and changes that affect all platforms for Oracle Database 21c.

- [Features Not Available or Restricted in This Release of Oracle Database 21c](#)
This topic describes features that are not available or are restricted for Oracle Database 21c.
- [Deprecated and Desupported Features for Oracle Database](#)
This topic describes deprecated and desupported features for Oracle Database 21c.
- [Other Readmes, Release Notes, or Installation Guides](#)
There are additional documents for Oracle products that are associated with this Oracle Database release.
- [Open Bugs Affecting All Platforms](#)
This section describes known bugs in Oracle Database 21c that affect all platforms.

Features Not Available or Restricted in This Release of Oracle Database 21c

This topic describes features that are not available or are restricted for Oracle Database 21c.

- The Pilot utility is not available on Microsoft Windows for Oracle Database 21c.
- Intelligent Platform Management Interface (IPMI) is not available on Microsoft Windows for Oracle Database release 21c.
- Oracle Real Application Clusters (Oracle RAC) in the Oracle Cloud
Oracle Database Cloud Services (DBCS) does not offer the option to deploy Oracle RAC on bare metal servers. Instead, choose option "Oracle RAC on VMs" to deploy Oracle RAC.

Deprecated and Desupported Features for Oracle Database

This topic describes deprecated and desupported features for Oracle Database 21c.

Oracle Database 21c introduces behavior changes for your database in addition to new features. Changes in behavior include deprecated and desupported initialization parameters, options, syntax, and the deprecation and desupport of features and components. For more information, see the *Oracle Database Upgrade Guide*.

Other Readmes, Release Notes, or Installation Guides

There are additional documents for Oracle products that are associated with this Oracle Database release.

Refer to the following Oracle products and the location of their associated readme, release notes, or installation guide for additional information:

Table 2-1 Other Oracle Products Documentation

Product	Document
Oracle Application Express	<i>Oracle Application Express Release Notes and the Oracle Application Express Installation Guide.</i>
Oracle ODBC Driver	<i>ODBC Driver Release Notes</i>
Pro*C	<i>Pro*C/C++ Release Notes</i>
Pro*COBOL	<i>Pro*COBOL Release Notes</i>
SQL*Plus	<i>SQL*Plus Release Notes</i>

Open Bugs Affecting All Platforms

This section describes known bugs in Oracle Database 21c that affect all platforms.

- [Oracle Database Enterprise Edition Known Bugs](#)
These are the Oracle Database Enterprise Edition bugs in Oracle Database 21c.
- [Oracle Database Vault Known Bugs](#)
These are the Oracle Database Vault known bugs in Oracle Database 21c.
- [Oracle Grid Infrastructure Known Bugs](#)
These are the Oracle Grid Infrastructure known bugs in Oracle Database 21c.
- [Oracle Sharding Known Bugs](#)
These are the Oracle Sharding known bugs in Oracle Database 21c.
- [Oracle Universal Installer Known Bugs](#)
These are the Oracle Universal Installer (OUI) bugs in Oracle Database 21c.

Oracle Database Enterprise Edition Known Bugs

These are the Oracle Database Enterprise Edition bugs in Oracle Database 21c.

- [Bug 33096609](#)
- [Bug 33090781](#)

Bug 33096609

Users who have enabled Oracle Sharding and are using Oracle Native Encryption to communicate between the shard catalog and the shards should be aware that sharding uses database links to communicate from the catalog database to the shards, and also enables shared servers (dispatcher) on the catalog database. This combination of settings is currently an issue and some sharding features such as cross-shard queries fail.

Workaround:

In Oracle Database Release 19c or later, it is no longer necessary to enable shared servers on the catalog database and we recommend that, if you are using Oracle Native Encryption with sharding, you should disable shared servers on the catalog database. This can be done by setting the database parameter `shared_servers` to 0

and restarting Oracle. This is a global parameter that must be set in the multitenant container database.

Bug 33090781

If the Oracle Database user password has expired, then you might not be able to use the password command to change the password if the network encryption is enabled.

Workaround:

Contact your database administrator to change or reset the password.

Oracle Database Vault Known Bugs

These are the Oracle Database Vault known bugs in Oracle Database 21c.

- [Bug 33109335](#)

Bug 33109335

For all Oracle Scheduler jobs, if the following conditions are met, then the jobs fail with error ORA-01031:

- The job must access Oracle Database Vault protected objects.
- The jobs are owned by a non-SYS user.
- The job must be started before Oracle Database Vault is enabled in the database.

Workaround:

For all jobs failing with error ORA-01031, disable and reenab the job with a user with Oracle Database Vault enabled. If the user enabling the job is not same as the job owner, then scheduler authorization is necessary. The authorization looks like:

```
execute dbms_macadm.authorize_scheduler_user('user_who_enabled_job',  
'job_owner');
```

Oracle Grid Infrastructure Known Bugs

These are the Oracle Grid Infrastructure known bugs in Oracle Database 21c.

- [Bug 31557965](#)

Bug 31557965

If there is a failure while running the root script and the following information is found in the installation log, then the Apache Tomcat port is already in use by another process:

```
2020/02/25 00:25:52 CLSRSC-594: Executing installation step 18 of 19:  
'ConfigNode'.  
QoS Management Server could not be started.  
PRCR-1079 : Failed to start resource ora.qosmserver  
TCC-0004: The container was not able to start.  
Failed to create a new RMI registry.Port already in use: 8895;
```

Workaround:

Identify the process holding the Apache Tomcat port, shut it down, and rerun the root script. If this is not possible, then do the following (where the `<newrmiport>` and `<newhttpport>` are port numbers that are not in use, not in the privileged range, and are not 8888 or 8895) and then rerun the root script:

Error Message Report Port Number	Workaround
8895	<code>srvctl modify qosmserver -rmiport <newrmiport></code>
8888	<code>srvctl modify qosmserver -httpport <newhttpport></code>

Oracle Sharding Known Bugs

These are the Oracle Sharding known bugs in Oracle Database 21c.

- [Bug 33156635](#)

Bug 33156635

When running Oracle RAC or Oracle Restart in a role-separated environment, where the Oracle RAC or Oracle Restart account is different from the Oracle Database account, performing administrative operations for sharding or for Global Data Services (GDS) can result in error `GSM-45029: SQL ERROR NO MORE DATA TO READ FROM SOCKET` when connected through a listener that runs in the Oracle RAC or Oracle Restart account.

Workaround:

In order to mitigate this issue, start a listener in the Oracle Database account on the sharded catalog database, and on each shard, if one is not already running. This listener can be used to connect and perform administrative operations, and can also be used when providing an Oracle Database Transparent Network Substrate (TNS) address when one is required for administrative commands, such as `add shard`.

Oracle Universal Installer Known Bugs

These are the Oracle Universal Installer (OUI) bugs in Oracle Database 21c.

- [Bug 27120934](#)
- [Bug 27080535](#)
- [Bug 18336219](#)

Bug 27120934

After downgrading Oracle Clusterware using the Grid Setup Wizard, from Oracle Database 21c to Oracle Clusterware release 12.1 or release 11.2, the unused data files of the Oracle Grid Infrastructure Management Repository (GIMR) of the 21c Oracle Grid Infrastructure home could still be present in the disk group.

Workaround:

Before starting the downgrade procedure using the Grid Setup Wizard, delete the GIMR database using the following command:

```
<Active_GI_HOME>/bin/dbca -silent -deleteDatabase -sourceDB -MGMTDB
```

Bug 27080535

When deinstalling Oracle Grid Infrastructure for a standalone server home with an Oracle Management Server configuration, the `emConfig.txt` file in `ORACLE_BASE/admin/emca` is not deleted.

Workaround:

To remove the `emConfig.txt` file, run the following command:

```
rm -rf $ORACLE_BASE/admin/emca/emConfig.txt
```

During the last `ORACLE_HOME` deinstallation, to remove `ORACLE_BASE`, run the following command after the deinstallation tool exits:

```
rm -rf $ORACLE_BASE
```

Bug 18336219

Oracle Database installer does not check if the password specified for `ASMSNMP` on the Specify Management Options screen is correct. If you proceed with the configuration and specify an incorrect password, then Oracle Enterprise Manager Cloud Control cannot discover details and monitor the Oracle ASM instance.

Workaround #1:

Ensure that the correct password (the same password specified earlier during the Oracle Grid Infrastructure for a cluster installation) is specified in the Specify Management Options screen of Oracle Database installer.

Workaround #2:

On the Oracle Enterprise Manager Cloud Control portal, navigate to the Oracle ASM credentials screen and update the password for `ASMSNMP`. Once the password is saved on Oracle Enterprise Manager Cloud Control, the Oracle ASM monitoring starts working.

3

Issues Affecting Linux for Oracle Database 21c

These topics contain last-minute features and changes for Linux for Oracle Database 21c.

- [Unsupported Products for Linux](#)
This topic describes products or features that are unavailable for Oracle Database 21c.
- [Installing Oracle Database Client 21c \(21.12\) on Oracle Linux 9 and Red Hat Enterprise Linux 9](#)
Oracle Database Client 21c supports both 32-bit and 64-bit versions on Oracle Linux 9 and Red Hat Enterprise Linux 9.
- [Product Support](#)
This topic describes the supported products or features for Oracle Database 21c.
- [Linking Applications with Oracle Client Libraries for Linux](#)
You must use the dynamic Oracle client libraries to link the client code on Linux.
- [Preinstallation Requirements for the Linux Platform](#)
Refer to the installation guides for the preinstallation requirements for Oracle Database 21c.
- [Known Issues and Bugs for Oracle Linux 9 and Red Hat Enterprise Linux 9](#)
This section contains information about issues related to Oracle Linux 9 and Red Hat Enterprise Linux 9:
- [Known Issues and Bugs for SUSE Linux Enterprise Server 15](#)
This section contains information about issues related to SUSE Linux Enterprise Server 15:
- [Open Bugs Affecting Linux](#)
This topic contains last-minute features and changes for Oracle Database 21c.

Unsupported Products for Linux

This topic describes products or features that are unavailable for Oracle Database 21c.

In addition to the list of unavailable products or features in this release of Oracle Database 21c, the following product is not supported for Linux:

- **IPv6 Networks Support**
The IPv6 based IP addresses to configure the private networks for a cluster is not supported on IBM: Linux on System z. It is currently under testing and the support will be announced after testing is successfully complete.

Installing Oracle Database Client 21c (21.12) on Oracle Linux 9 and Red Hat Enterprise Linux 9

Oracle Database Client 21c supports both 32-bit and 64-bit versions on Oracle Linux 9 and Red Hat Enterprise Linux 9.

To install Oracle Database Client 21c on Oracle Linux 9 and Red Hat Linux 9, download the 21.3 Oracle Database Client software binaries from the Oracle website, and then apply the 21.12 release updates (RUs) during the installation process.

Oracle Database Client 64-bit (21.12) Gold Image Installation

During the Oracle Database Client gold image installation process, run the `runInstaller` command with the `-applyRU` and `-applyOneOffs` options to install the latest 21.12 RU for Oracle Linux 9 and Red Hat Enterprise Linux 9.

```
$ export CV_ASSUME_DISTID=OL8
$ 21.3_clienthome/runInstaller -applyRU <21.12DBRU patch 35740258
location> -applyOneOffs <21.12OneOff patch 36127154 location>
```

Oracle Database Client 64-bit (21.12) Shiphome-based Installation

During the Oracle Database Client shiphome based installation process, run the `runInstaller` command to install the latest 21.12 RU for Oracle Linux 9 and Red Hat Enterprise Linux 9.

```
$ export CV_ASSUME_DISTID=OL8
$ 21.3_clienthome/runInstaller
```

Note:

- Ignore the linking errors during 21.3 client installations and 21.12DBRU.
- After the 21.3 Oracle Database Client installation is complete, apply the 21.12DBRU patch 35740258 and 21.12OneOff patch 36127154.

Oracle Database Gateway (21.12) Shiphome-based Installation

```
$ export CV_ASSUME_DISTID=OL8
$ 21.3_gatewayshome/runInstaller
```

 **Note:**

- Ignore the linking errors during 21.3 Oracle Database Gateway installation and 21.12DBRU.
- After the 21.3 Oracle Database Gateway installation is complete, apply the 21.12DBRU patch 35740258, 21.12OneOff patch 36127154, and 21.0.0.0.0OneOff patch 35464439.
- Apply the 21.0.0.0OneOff patch 35464439 if the WebSphere MQ component is installed during Oracle Database Gateway installation.

Oracle Database Global Service Manager (21.12) Shiphome-based Installation

```
$ export CV_ASSUME_DISTID=OL8
$ 21.3_gsmhome/runInstaller
```

 **Note:**

- Ignore the linking errors during 21.3 Oracle Database Global Service Manager installation and 21.12DBRU.
- After the 21.3 Oracle Database Global Service Manager installation is complete, apply the 21.12DBRU patch 35740258 and 21.12OneOff patch 36127154.

 **Note:**

For all Client, Gateway, and GSM installations, after you apply a patch, ensure that you run the following command to relink executables and libraries in \$ORACLE_HOME:

```
$ORACLE_HOME/bin/relink as_installed
```

Oracle Database Client 32-bit (21.12) Gold Image Installation

During the Oracle Database Client gold image installation process, run the `runInstaller` command with the `-applyRU` and `-applyOneOffs` options to install the latest 21.12 RU for Oracle Linux 9 and Red Hat Enterprise Linux 9.

```
$ export CV_ASSUME_DISTID=OL8
$ 21.3_clienthome/runInstaller -applyRU <21.12DBRU patch 35740258 location> -
applyOneOffs <21.12OneOff patch 36189853 location>
```

Oracle Database Client 32-bit (21.12) Shiphome-based Installation

During the Oracle Database Client shiphome based installation process, run the `runInstaller` command to install the latest 21.12 RU for Oracle Linux 9 and Red Hat Enterprise Linux 9.

```
$ export CV_ASSUME_DISTID=OL8  
$ 21.3_clienthome/runInstaller
```

Note:

- Ignore the linking errors during 21.3 client installations and 21.12DBRU.
- After the 21.3 Oracle Database Client installation is complete, apply the 21.12DBRU patch 35740258 and 21.12OneOff patch 36189853.

Product Support

This topic describes the supported products or features for Oracle Database 21c.

The supported products or features are:

- Database Smart Flash Cache Support
Database Smart Flash Cache is supported on Oracle Linux.
- Oracle ACFS and Oracle ADVM Support
Although Oracle ADVM supports raw disks in Oracle Automatic Storage Management disk groups, Oracle ADVM device special files created through raw are not supported; Oracle ADVM only supports block device special files.
For the latest information about supported platforms and releases, see the Note 1369107.1 on My Oracle Support at <https://support.oracle.com>
- Oracle ASM Filter Driver Support
Oracle Automatic Storage Management Filter Driver (Oracle ASMFD) is supported only on Linux x86-64.
- Share-based Instance Caging
Share-based Instance Caging is supported on Oracle Linux.
- Minimum Kernel Version Required for Oracle ASM library driver (Oracle ASMLIB)
For Oracle Database 21c, to use Oracle ASM library driver (Oracle ASMLIB) on Oracle Linux 8 or Red Hat Enterprise Linux 8, use the following kernel versions:
 - Oracle Linux 8 with 5.4.17-2036.102.0.2.el8uek.x86_64 or later
 - Red Hat Enterprise Linux 8 with 4.18.0-305.3.1.el8_4.x86_64 or later
- Debian Support on Linux x86-64
Oracle Database Client supports Debian GNU/Linux 10 starting with release 21.4. Oracle Database Client supports only 64-bit client installations on Debian.

Linking Applications with Oracle Client Libraries for Linux

You must use the dynamic Oracle client libraries to link the client code on Linux.

Do not link the static Oracle client libraries.

Preinstallation Requirements for the Linux Platform

Refer to the installation guides for the preinstallation requirements for Oracle Database 21c.

Known Issues and Bugs for Oracle Linux 9 and Red Hat Enterprise Linux 9

This section contains information about issues related to Oracle Linux 9 and Red Hat Enterprise Linux 9:

- [Bug 35584316](#)
- [Bug 36072547](#)

Bug 35584316

On Oracle Linux 9 or Red Hat Enterprise Linux 9, C++ applications built with `g++11` cannot be used with Oracle C++ Call Interface (OCCI).

Workaround:

- If the application uses `c++11`, then link the application with `$ORACLE_HOME/lib/libocci_gcc53.so.21.1` instead of the default `libocci.so.21.1` and use the compilation option:

```
-Wno-narrowing
```

- If the application uses the default `libocci.so.21.1`, then use the following compilation options:

```
-D_GLIBCXX_USE_CXX11_ABI=0 -Wno-narrowing
```

Bug 36072547

During the Oracle Database Client 32-bit installation on Oracle Linux 9 and Red Hat Enterprise Linux 9, the following warning messages are displayed:

```
INFO:$ORACLE_HOME/bin/genclntsh
INFO:/bin/ld: $ORACLE_HOME/lib/libirc.a(cvtint64tofp-inline.o): warning:
relocation in read-only section '.text'
INFO:/bin/ld: warning: creating DT_TEXTREL in a shared object
INFO:/bin/ld: $ORACLE_HOME/lib/libirc.a(sse2_strspn.o): warning: relocation
in read-only section '.text'
INFO:/bin/ld: warning: creating DT_TEXTREL in a shared object
```

The following warning messages are displayed during 21.12OneOff patch 36072547:

```
OPatch found the word "warning" in the stderr of the make command.
Please look at this stderr. You can re-run this make command.
Stderr output:
/bin/ld: $ORACLE_HOME/lib/libirc.a(cvtint64tofp-inline.o): warning:
relocation in read-only section`.text'
/bin/ld: warning: creating DT_TEXTREL in a shared object
/bin/ld: $ORACLE_HOME/lib/libirc.a(sse2_strspn.o): warning: relocation
in read-only section`.text'
/bin/ld: warning: creating DT_TEXTREL in a shared object
```

Workaround:

Ignore the warning messages.

Known Issues and Bugs for SUSE Linux Enterprise Server 15

This section contains information about issues related to SUSE Linux Enterprise Server 15:

- [Bug 32560231](#)

Bug 32560231

The shell environment variable set to `/bin/csh` and `$HOME/.cshrc` contains a syntax where the directories in the `PATH` environment variable are delimited by the `:` character.

Workaround:

Perform one of the following workarounds:

Workaround 1

Correct the syntax in `$HOME/.cshrc`.

Workaround 2

Explicitly set the shell environment variable to `/bin/sh`.

Workaround 3

Unset the shell environment variable.

Open Bugs Affecting Linux

This topic contains last-minute features and changes for Oracle Database 21c.

- [Bug 33222396](#)
- [Bug 33326105](#)

Bug 33222396

Unable to build Oracle C++ Call Interface (OCCI) applications with `g++8` using the demo `make` file.

Workaround

To ensure that C++ applications built with `g++8` work with Oracle C++ Call Interface (OCCI), use these compilation options:

- If the application does not use C++ 11 features, then use the following compilation options:

```
-D_GLIBCXX_USE_CXX11_ABI=0 -Wno-narrowing
```

- If the application uses C++ 11 features, then link the application with `$ORACLE_HOME/lib/libocci_gcc53.so.21.1` instead of the default `libocci.so.21.1` and use the following compilation option:

```
-Wno-narrowing
```

- If the application uses the default `libocci.so.21.1`, then use the following compilation options:

```
-D_GLIBCXX_USE_CXX11_ABI=0 -Wno-narrowing
```

Bug 33326105

Building Pro*C Applications on Debian Systems.

Workaround

To build Pro*C applications on Debian systems:

Apply patch 33326105 or manually add the following GCC path to the Pro*C configuration file `pcscfg.cfg`:

```
sys_include=/usr/lib/gcc/x86_64-linux-gnu/8/include
```

4

Issues Affecting HP-UX Itanium for Oracle Database 21c

These topics contain last-minute features and changes for HP-UX Itanium for Oracle Database 21c.

- [Product Support](#)
There are no supported products or features for Oracle Database 21c on HP-UX Itanium at this time.
- [Linking Applications with Oracle Client Libraries for HP-UX Itanium](#)
You must use the dynamic Oracle client libraries to link the client code on HP-UX Itanium.
- [Preinstallation Requirements for HP-UX Itanium](#)
Refer to the installation guides for the preinstallation requirements for Oracle Database 21c.
- [Installation, Configuration, and Upgrade Issues for HP-UX Itanium](#)
This topic describes information about issues that affect Oracle Database installation, configuration, and upgrade.

Product Support

There are no supported products or features for Oracle Database 21c on HP-UX Itanium at this time.

Linking Applications with Oracle Client Libraries for HP-UX Itanium

You must use the dynamic Oracle client libraries to link the client code on HP-UX Itanium.
Do not link the static Oracle client libraries.

Preinstallation Requirements for HP-UX Itanium

Refer to the installation guides for the preinstallation requirements for Oracle Database 21c.

Installation, Configuration, and Upgrade Issues for HP-UX Itanium

This topic describes information about issues that affect Oracle Database installation, configuration, and upgrade.

- [Bug 33072934](#)

Bug 33072934

When you install Oracle Grid infrastructure 21c on an IPv6 cluster, you get the following error during the Oracle home and Oracle base check:

```
[INS-44002] The Oracle home location contains directories or files on
following remote
      nodes: [<local_node>-ipv6]. These nodes will be ignored and
not participate in the configured
      Grid Infrastructure
```

Workaround

This issue occurs due to Java 8 built with Oracle Grid infrastructure 21c. To resolve this issue:

1. Contact HPE and apply the fix for SR/Ticket QXCR1001807522.
2. Refer to the Known Issues section of the HPE Java 8 web page.
3. Perform the following steps to apply patch `libnet.so`:
 - a. Download the `libnet.so` file from the HPE website.
 - b. Update the `libnet.so` file in the path `jdk/jre/lib/IA64W/` of the Oracle Grid Infrastructure home.
 - c. Run `gridSetup.sh`.

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Issues Affecting Microsoft Windows for Oracle Database 21c

These topics contain last-minute features and changes for Microsoft Windows for Oracle Database 21c.

- [Product Support for Microsoft Windows](#)
The following product or feature is supported for Oracle Database 21c.
- [Installation, Configuration, and Upgrade Issues for Microsoft Windows](#)
These topics describe information about issues that affect Oracle Database installation, configuration, and upgrade.

Product Support for Microsoft Windows

The following product or feature is supported for Oracle Database 21c.

Multithreaded Oracle Database Model

The multithreaded Oracle Database model is supported.

Related Topics

- *Oracle Database Administrator's Reference Guide for Microsoft Windows*

Installation, Configuration, and Upgrade Issues for Microsoft Windows

These topics describe information about issues that affect Oracle Database installation, configuration, and upgrade.

- [Bug 31618110](#)
- [Bug 31623788](#)
- [Bug 31624542](#)
- [Bug 31654946](#)
- [Bug 31660201](#)
- [Bug 31666299](#)
- [Bug 32987272](#)
- [Bug 33030281](#)
- [Bug 33169497](#)
- [Bug 33212356](#)
- [Bug 33279556](#)

- [Bug 33382160](#)
- [Bug 33605836](#)

Bug 31618110

`tfactl help` with invalid parameters display the results but did not return any invalid argument error.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 31623788

Oracle Autonomous Health Framework (AHF) and Trace File Analyzer (TFA) `tfactl print configuration` does not update the configuration value in all nodes.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 31624542

`tfactl access add -group` is not supported, but the document contains details to add the user group.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 31654946

`tfactl diagcollect -collectdir -help` command starts collecting reports instead of displaying the help.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 31660201

`tfactl` does not uninstall Trace File Analyzer (TFA) in all the nodes, it uninstalls only in the local node.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 31666299

`tfactl analyze` command does not give results and returns errors in the log.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 32987272

Oracle Trace File Analyzer (TFA) was not installed, but `validateenv` shows "TFA Successfully installed".

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 33030281

When you upgrade Grid Infrastructure Management Repository (GIMR) home from a lower home version to Oracle Database 21c, it fails with the following error message:

```
INS-20801.  
If the user list in ACL of the mgmtadb resource is empty.
```

Workaround

Modify the ACL attribute of the `mgmtadb` resource using the `crsctl` command. Add the owner of the `mgmtadb` resource to the user list in the ACL of `mgmtadb`. When the user list is updated in ACL of the `mgmtadb` resource, upgrade GIMR.

Run this command to retrieve the ACL of the resource:

```
crsctl getperm res ora.mgmtldb
      Name: ora.mgmtldb
      owner:nt
authority\system:rwx,pgrp::r-,other::r--,group:ORA_INSTALL:r-x,user:nt
authority\system:rwx
```

If the user list is empty in the ACL retrieved for the `mgmtldb` resource, then add the owner of the `mgmtldb` resource to the user list in ACL.

Run this command to modify or add the user list in the ACL command:

```
crsctl setperm resource ora.mgmtldb -u "user:nt authority\system:rwx" -
unsupported
```

Bug 33169497

`tfactl analyze` command does not work and returns an error.

Workaround

Download the latest Oracle Autonomous Health Framework (AHF) from My Oracle Support note 2550798.1 and upgrade Oracle Autonomous Health Framework (AHF).

<https://support.oracle.com/epmos/faces/DocContentDisplay?id=2550798.1&parent=DOCUMENTATION&sourceId=USERGUIDE>

Bug 33212356

Creating a gold image operation fails and returns the following error:

```
[INS-32700] The gold image creation failed.
```

Workaround

Set the TEMP environment variable to `c:\` or `c:\Temp` before performing the `createGoldImage` operation.

Bug 33279556

On a pure IPv6 Windows environment, the IPv6 addresses fail to resolve during the SCAN verification check due to a known issue.

Workaround

Apply a one off patch explicitly on such an IPv6 environment to ensure that the Java code attempting to resolve the IPv6 addresses uses the correct network property when you start the Java Virtual Machine (JVM) by running the prerequisite checks.

Bug 33382160

The edition column in the table `registry$database` incorrectly displays as Oracle Database Enterprise Edition for an Oracle Database 21c Express Edition (XE). This is not a functional issue but rather a display problem only.

```
SQL> select edition from registry$database;
EDITION
-----
EE
```

The edition is displayed as EE instead of XE. However, the edition column in the table `registry$` correctly displays as XE.

```
SQL> select edition from registry$;
EDITION
-----
XE
```

Workaround

Manually update the edition column value in `registry$database`.

```
SQL> update registry$database set edition='XE';
1 row updated.
SQL> commit;
Commit complete.
SQL> select edition from registry$database;
EDITION
-----
XE
```

Bug 33605836

Database token authentication fails in Windows for Oracle Client Libraries with the following error:

```
ORA-01017: Invalid username/password; Logon denied.
```

Workaround

Perform the following steps:

- Specify the parameters `TOKEN_AUTH`, `TOKEN_LOCATION`, `SSL_SERVER_DN_MATCH`, `PASSWORD_AUTH`, `OCI_IAM_URL`, `OCI_TENANCY`, `OCI_COMPARTMENT`, `OCI_DATABASE` in a `sqlnet.ora` file instead of a `tnsnames.ora` file.
- Set the `TZ` environment variable to the Greenwich Mean Time (GMT) as follows:
`set TZ=GMT`
- Specify the `TOKEN_LOCATION` for the IAM Proof Of Possession (POP) token in a `sqlnet.ora` file. Do not rely on the default token location.

Related Topics

- [Troubleshooting IAM Logins](#)