

Oracle® Database Appliance

Release Notes



Release 19.32 for Linux x86-64

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ORACLE®

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Contents

Preface

Audience	i
Documentation Accessibility	i
Related Documents	i
Conventions	ii

1 What's New in This Release

2 Component Versions for Oracle Database Appliance

Component Versions for Oracle Database Appliance X11 Models	1
Component Versions for Oracle Database Appliance X10 Models	2
Component Versions for Oracle Database Appliance X9-2 Models	3
Component Versions for Oracle Database Appliance X8-2 Models	4

3 Oracle Database Appliance 19.32 Patches

Patching from Previous Releases	1
Minimum Software Version Requirements	6
Oracle Database Appliance Bare Metal System and KVM Patches	6

4 Known Issues with Oracle Database Appliance in This Release

Known Issues When Patching Oracle Database Appliance	1
Error in creating database on DB system on multi-user access enabled system	2
Error in applying data patch	3
Earlier release kernel active during patching	4
Alert about Oracle ASMFD when patching DB system	6
Error in running prepatch checks	6
Free space issue during database patching	7
Error in DB system after server patching	8
Error in server patching	9
Error in database patching	11

Component version not updated after patching	12
Error in server patching	12
AHF error in prepatch report for the update-dbhome command	12
Errors when running ORAchk or the odacli create-prepatchreport command	13
Error in patching prechecks report	13
Server status not set to Normal when patching	14
Patching of M.2 drives not supported	14
Known Issues When Deploying Oracle Database Appliance	15
Error in creating database home	15
Database home not completely deleted	16
Error in cloning a database	17
Error in creating DB system	18
Error in database creation on multi-user access enabled system	19
Error in configuring Oracle ASR	20
Error in creating database	20
Error in creating two DB systems	21
Error in adding JBOD	22
Error in provisioning appliance after running cleanup.pl	22
Error encountered after running cleanup.pl	23
Errors in clone database operation	23
Known Issues When Managing Oracle Database Appliance	23
Error in configuring Oracle Data Guard in a multiple standby environment	24
Error in configuring Oracle Data Guard	25
Error in interconnect network	26
Error in configuring multiple standby databases on Oracle Data Guard	27
Error in upgrading Oracle Data Guard	28
Error in creation of Oracle Key Vault TDE-enabled database	29
Error in deleting a TDE-enabled database	29
Error in configuring Oracle Data Guard	30
Error in cleaning up a deployment	31
Error in display of file log path	31
Error in the enable apply process after upgrading databases	31
Error in updating Role after Oracle Data Guard operations	32
Inconsistency in ORAchk summary and details report page	32
The odaeraser tool does not work if oakd is running in non-cluster mode	33

Preface

Oracle Database Appliance is an optimized, prebuilt database system that is easy to deploy, operate, and manage. By integrating hardware and software, Oracle Database Appliance eliminates the complexities of nonintegrated, manually assembled solutions. Oracle Database Appliance reduces the installation and software deployment times from weeks or months to just a few hours while preventing configuration and setup errors that often result in suboptimal, hard-to-manage database environments.

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

Audience

This guide is intended for anyone who configures, maintains, or uses Oracle Database Appliance:

- System administrators
- Network administrators
- Database administrators
- Application administrators and users

This book does not include information about Oracle Database architecture, tools, management, or application development that is covered in the main body of Oracle Documentation, unless the information provided is specific to Oracle Database Appliance. Users of Oracle Database Appliance software are expected to have the same skills as users of any other Linux-based Oracle Database installations.

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Related Documents

For more information about Oracle Database Appliance, go to <http://www.oracle.com/goto/oda/docs> and click the appropriate release.

For more information about using Oracle Database, go to <http://docs.oracle.com/database/> and select the database release from the menu.

For more information about Oracle Integrated Lights Out Manager 3.2, see https://docs.oracle.com/cd/E37444_01/.

For more details about other Oracle products that are mentioned in Oracle Database Appliance documentation, see the Oracle Documentation home page at <http://docs.oracle.com>.

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 the text.
<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.
# prompt	The pound (#) prompt indicates a command that is run as the root user.

1

What's New in This Release

Oracle Database Appliance release 19.32 supports Oracle Database 19c functionality on Oracle Database Appliance hardware models.

Changes in Oracle Database Appliance Release 19.32

This release supports Oracle Database Appliance models X11-HA, X11-L, X11-S, X10-HA, X10-L, X10-S, X9-2-HA, X9-2L, X9-2S, X8-2-HA, X8-2M, and X8-2S. You can create a bare metal deployment on Oracle Database Appliance or patch or upgrade your existing bare metal deployment to Oracle Database Appliance release 19.32. You can also create and patch Oracle Database Appliance DB systems. Read the chapter *Known Issues with Oracle Database Appliance in This Release* for critical fixes before deploying Oracle Database Appliance release 19.32.

For Oracle Database 19c and Oracle AI Database 26ai features, see the Oracle Database Documentation Library at <https://docs.oracle.com/en/database/oracle/oracle-database/index.html>.

The following new features are available in this release:

- **Provisioning and patching of Oracle Database Appliance bare metal deployments, KVM, and DB systems**

This release supports provisioning and patching of bare metal deployments, KVM, and DB systems with Oracle Database Appliance release 19.32 on X11-HA, X11-L, X11-S, X10-HA, X10-L, X10-S, X9-2-HA, X9-2L, X9-2S, X8-2-HA, X8-2M, and X8-2S.

See the chapter *Provisioning Oracle Database Appliance Bare Metal System* in the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

- **Support for Oracle AI Database 26ai and 19c databases on Oracle Database Appliance DB systems**

This release supports creation of databases of Oracle AI Database 26ai and 19c databases on DB systems. The version is specified in the DB system JSON payload, with the attribute version for database. When you provision DB system of release 26ai, then you cannot provision any other database versions, such as 19c in the DB system at the same time.

For details on the JSON file changes for creating Oracle AI Database 26ai and 19c databases on DB systems, see the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

- **Support for creating network using vnetwork**

Oracle Database Appliance allows you to create a network shared by DB systems and the bare metal system.

For complete details about this feature, see the topic *About Creating Network from vNetwork* in the *Oracle Database Appliance Deployment and User's Guide*.

- **Support for patching multiple databases in parallel**

Starting with Oracle Database Appliance release 19.32, you can create prepatch reports and patch multiple databases at the same time, that is, in parallel. To patch multiple databases in parallel, the system login limit, that is the maxlogin value must be set to 100 or higher.

For complete details about this feature, see the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

- **Modify SCAN and listener ports on Oracle Database Appliance using ODACLI commands and BUI**

Oracle Database Appliance allows modifications to SCAN and listener port on bare metal systems using ODACLI commands and BUI.

For complete details about this feature, see the topic *Updating a Network* in the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

- **Enterprise Manager Plug-in Support for Oracle Database Appliance X8-2 and Later Hardware Models with Oracle Database Appliance release 19.32**

You can use Enterprise Manager Cloud Control 13c Release 5 (13.5) to manage and monitor your Oracle Database Appliance X8-2 and later systems for Oracle Database Appliance release 19.32.

For more information, see the *Oracle Enterprise Manager Plugin for Oracle Database Appliance Release Notes*.

- **Deprecation of STIG on Oracle Database Appliance**

Oracle Database Appliance is hardened by default to align with Security Technical Implementation Guide (STIG) standards. The security of the system is further strengthened through the implementation of SCAP controls, delivering an out-of-the-box pass rate of over 90% on all SCAP-automated STIG checks. With this native SCAP integration, the legacy OLSS-based STIG scripts are now marked as deprecated and may be removed in a future release of Oracle Database Appliance software.

- **ODACLI Command Enhancements**

There are changes to ODACLI command options in this release. Use the `--help` option with a command to view the supported options for the command in this release.

For more information, see the chapter *Oracle Database Appliance Command-Line Reference* in the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

- **Oracle Grid Infrastructure and Oracle Database Updates**

The following Oracle Grid Infrastructure and Oracle Database updates (July 2026 Oracle Database Release Update) for bare metal systems are available in this release:

— 19.32.0.0.260721

Oracle Grid Infrastructure and Oracle AI Database Update 23.26.3.0.0 for DB system are also available with this release.

Oracle Grid Infrastructure Clone, Oracle Database Clone, and ISO Image Patches

See the chapter *Oracle Database Appliance Release 19.32 Patches* for patch details and links.

Oracle Database Appliance patches are available in My Oracle Support. When selecting a patch, ensure that you select Oracle Database Appliance release 19.32 from the drop down list.

- **Oracle Database Appliance 19.32.0.0.0 Server Patch for Bare Metal Systems:** Use patch 39662630 to update your bare metal deployment to Oracle Database Appliance release 19.32. You must download the Server Patch, Oracle Grid Infrastructure clone file, and the Oracle Database clone file to update your deployment to release 19.32.
- **Oracle Database Appliance 19.32.0.0.0 GI Clone for ODACLI/DCS Stack:** Use patch 30403673 to update your deployment to this Oracle Database Appliance release. You also use this patch to perform an initial deployment of Oracle Database Appliance. The bundle contains the latest Oracle Grid Infrastructure components for deployment on an Oracle

Database Appliance in the "shipped from factory" state, or an Oracle Database Appliance that has been re-imaged using the operating system ISO Image. This patch is for all Oracle Database Appliance Hardware Models (bare metal).

- **Oracle Database Appliance RDBMS Clone for ODACLI/DCS Stack:** Use the Oracle Database 19.32.0.0.260721 Software Clone file to create 19.32.0.0.260721 Oracle Database homes. Patch 30403662 provides the database clone for this update. This patch is for all Oracle Database Appliance Hardware Models (bare metal systems).
- **Oracle Database Appliance 19.32.0.0.0 DB System Image Download for KVM:** Use the KVM Database System template to deploy KVM-based virtualization for Oracle Database Appliance release 19.32. Patch 32451228 provides the software for this update.
- **Oracle Database Appliance 26ai DB System Image Download for KVM:** Use the KVM Database System template to deploy KVM-based virtualization for DB system of version 26ai. Patch 36524660 provides the software for this update.
- **Oracle Database Appliance 26ai GI Clone for DB Systems:** Use patch 36524627 to perform an initial deployment of Oracle Database Appliance on DB Systems for creating Oracle AI Database 26ai databases. This patch is for Oracle Database Appliance hardware models with DB systems only.
- **Oracle Database Appliance 26ai Database Clone File for DB Systems:** Use the Oracle AI Database 26ai Software Clone file to create 26ai Oracle Database homes. Patch 36524642 provides the database clone for this update. This patch is for Oracle Database Appliance hardware models with DB systems only.
- **Oracle Database Appliance 26ai DB System Server Patch:** Use the KVM DB System template to patch 26ai KVM-based virtualization for Oracle Database Appliance 19.32. Patch 39662638 provides this update. This patch is for Oracle Database Appliance hardware models with DB systems only.
- **Oracle Database Appliance 19.32.0.0.0 OS ISO Image for all Platforms:** Use this patch to reimage the operating system for Oracle Database Appliance 19.32. Patch 30403643 provides the software for this update.

Related Topics

- [Managing Power Consumption on Oracle Database Appliance X11](#)
- [Modifying Public Network Configurations](#)
- [About Deleting Earlier Release Oracle Grid Infrastructure Homes](#)
- [Patching Oracle Database Appliance](#)
- [Provisioning Oracle Database Appliance X11 Bare Metal System](#)
- [Oracle Database Appliance Command-Line Interface](#)
- [Oracle Enterprise Manager Plugin for Oracle Database Appliance Release Notes](#)

2

Component Versions for Oracle Database Appliance

Review the component versions available for Oracle Database Appliance for supported hardware models for this release.

- [Component Versions for Oracle Database Appliance X11 Models](#)
The matrix displays the component versions available for Oracle Database Appliance for X11-S, X11-L, and X11-HA.
- [Component Versions for Oracle Database Appliance X10 Models](#)
The matrix displays the component versions available for Oracle Database Appliance for X10-S, X10-L, and X10-HA.
- [Component Versions for Oracle Database Appliance X9-2 Models](#)
The matrix displays the component versions available for Oracle Database Appliance for X9-2S, X9-2L, and X9-2-HA.
- [Component Versions for Oracle Database Appliance X8-2 Models](#)
The matrix displays the component versions available for Oracle Database Appliance for X8-2S, X8-2M, and X8-2-HA.

Component Versions for Oracle Database Appliance X11 Models

The matrix displays the component versions available for Oracle Database Appliance for X11-S, X11-L, and X11-HA.

Table 2-1 Component Versions for X11-HA, X11-L, and X11-S in Oracle Database Appliance Release 19.32

Component Name	X11-HA	X11-S and X11-L
External HBA Silverthorn EXT-B	23.00.01.00	23.00.01.00
OS Disk Micron 7450 NVME M.2 SSD 480GB (Max)	E2MU300	E2MU300
OS Disk Samsung NVME M.2 SSD 480GB (Max)	GDB7302Q	GDB7302Q
Disks (SSD/HDD)	Samsung 7.68T SSD: RXG0, RXB1 WDC 22T HDD: AG64	Not applicable
NVMe (firmware version)	Not applicable	Solidigm NVMe: 9CV1R490 Samsung NVMe: MPPA8R5Q
Expander	DE3-24C: IOMv2- 2501	Not applicable
ILOM (Oracle Integrated Lights Out Manager)	5.1.5.30 r169188	5.1.5.30 r169188
BIOS	90.07.02.00	90.07.02.00
IPMI (Intelligent Platform Management Interface)	1.8.18.0	1.8.18.0

Table 2-1 (Cont.) Component Versions for X11-HA, X11-L, and X11-S in Oracle Database Appliance Release 19.32

Component Name	X11-HA	X11-S and X11-L
HMP (Oracle Hardware Management Pack)	2.4.10.1.600-4	2.4.10.1.600-4
Oracle Linux	8.10	8.10
AHF (Oracle Autonomous Health Framework)	26.2.0	26.2.0
MySQL	8.4.8	8.4.8
Kernel	kernel-uek-core-5.15.0-319.201.4.4	kernel-uek-core-5.15.0-319.201.4.4
GI_HOME	19.32.0.0.260721	19.32.0.0.260721
DB_HOME	19.32.0.0.260721	19.32.0.0.260721
Oracle Auto Service Request (Oracle ASR)	26.1.0	26.1.0

Component Versions for Oracle Database Appliance X10 Models

The matrix displays the component versions available for Oracle Database Appliance for X10-S, X10-L, and X10-HA.

Table 2-2 Component Versions for X10-HA, X10-L, and X10-S in Oracle Database Appliance Release 19.32

Component Name	X10-HA	X10-S and X10-L
External HBA Silverthorn EXT-B	23.00.01.00	23.00.01.00
OS Disk Micron 7450 NVME M.2 SSD 480GB (Max)	E2MU300	E2MU300
OS Disk Samsung NVME M.2 SSD 480GB (Max)	GDB7302Q	GDB7302Q
Disks (SSD/HDD)	Samsung 7.68T SSD: RXG0, RXB1 WDC 22T HDD: AG64	Not applicable
NVMe (firmware version)	Not applicable	Solidigm NVMe: 9CV1R490 Samsung NVMe: MPPA8R5Q
Expander	DE3-24C: IOMv2- 2501	Not applicable
ILOM (Oracle Integrated Lights Out Manager)	5.1.5.30 r169123	5.1.5.30 r169123
BIOS	84.10.09.00	84.10.09.00
IPMI (Intelligent Platform Management Interface)	1.8.18.0	1.8.18.0
HMP (Oracle Hardware Management Pack)	2.4.10.1.600-4	2.4.10.1.600-4
Oracle Linux	8.10	8.10
AHF (Oracle Autonomous Health Framework)	26.2.0	26.2.0
MySQL	8.4.8	8.4.8

Table 2-2 (Cont.) Component Versions for X10-HA, X10-L, and X10-S in Oracle Database Appliance Release 19.32

Component Name	X10-HA	X10-S and X10-L
Kernel	kernel-uek-core-5.15.0-319.201.4.4	kernel-uek-core-5.15.0-319.201.4.4
GI_HOME	19.32.0.0.260721	19.32.0.0.260721
DB_HOME	19.32.0.0.260721	19.32.0.0.260721
Oracle Auto Service Request (Oracle ASR)	26.1.0	26.1.0

Component Versions for Oracle Database Appliance X9-2 Models

The matrix displays the component versions available for Oracle Database Appliance for X9-2S, X9-2L, and X9-2-HA.

Table 2-3 Component Versions for X9-2-HA, X9-2L, and X9-2S in Oracle Database Appliance Release 19.32

Component Name	X9-2-HA	X9-2S and X9-2L
Controller	16.00.08.00	Not applicable
Expander	DE3-24C: IOMv2- 2501	Not applicable
SSD	RXG0	Not applicable
NVMe (firmware version)	Not applicable	2CV1RC55
OS Disk (SSD firmware version)	XC311132 or XC311151	XC311132 or XC311151
ILOM (Oracle Integrated Lights Out Manager)	5.1.5.30 r169123	X9-2S: 5.1.5.30 r169123 X9-2L: 5.1.5.30 r169123
BIOS	62.17.01.00	X9-2S: 62.17.01.00 X9-2L: 62.17.01.00
IPMI (Intelligent Platform Management Interface)	1.8.18.0	1.8.18.0
HMP (Oracle Hardware Management Pack)	2.4.10.1.600-4	2.4.10.1.600-4
Oracle Linux	8.10	8.10
AHF (Oracle Autonomous Health Framework)	26.2.0	26.2.0
MySQL	8.4.8	8.4.8
Kernel	kernel-uek-core-5.15.0-319.201.4.4	kernel-uek-core-5.15.0-319.201.4.4
GI_HOME	19.32.0.0.260721	19.32.0.0.260721
DB_HOME	19.32.0.0.260721	19.32.0.0.260721
Oracle Auto Service Request (Oracle ASR)	26.1.0	26.1.0

Component Versions for Oracle Database Appliance X8-2 Models

The matrix displays the component versions available for Oracle Database Appliance for X8-2S, X8-2M, and X8-2-HA.

Table 2-4 Component Versions for X8-2-HA, X8-2M, and X8-2S in Oracle Database Appliance Release 19.32

Component Name	X8-2-HA	X8-2S and X8-2M
Controller	16.00.08.00	Not applicable
Expander	DE3-24C: IOMv2- 2501	Not applicable
SSD	A967	Not applicable
NVMe (firmware version)	Not applicable	VDV1RL06
OS Disk (SSD firmware version)	N2010121 or XC311132	N2010121
ILOM (Oracle Integrated Lights Out Manager)	5.1.5.30 r169123	X8-2S: 5.1.5.30 r169123 X8-2M: 5.1.5.30 r169123
BIOS	52.18.01.00	X8-2S: 52.18.01.00 X8-2M: 52.18.01.00
IPMI (Intelligent Platform Management Interface)	1.8.18.0	1.8.18.0
HMP (Oracle Hardware Management Pack)	2.4.10.1.600-4	2.4.10.1.600-4
Oracle Linux	8.10	8.10
AHF (Oracle Autonomous Health Framework)	26.2.0	26.2.0
MySQL	8.4.8	8.4.8
Kernel	kernel-uek-core-5.15.0-319.201.4.4	kernel-uek-core-5.15.0-319.201.4.4
GI_HOME	19.32.0.0.260721	19.32.0.0.260721
DB_HOME	19.32.0.0.260721	19.32.0.0.260721
Oracle Auto Service Request (Oracle ASR)	26.1.0	26.1.0

3

Oracle Database Appliance 19.32 Patches

Get information about Oracle Database Appliance patches for this release, the download locations, and how to apply the patches.

- [Patching from Previous Releases](#)
Understand the minimum versions for patching Oracle Database Appliance to later releases.
- [Minimum Software Version Requirements](#)
Review the minimum software version requirements for installing this release of Oracle Database Appliance.
- [Oracle Database Appliance Bare Metal System and KVM Patches](#)
Download the patches available for Oracle Database Appliance in My Oracle Support, get information on the prerequisites, and how to apply the patches.

Patching from Previous Releases

Understand the minimum versions for patching Oracle Database Appliance to later releases.

Oracle recommends that you patch your Oracle Database Appliance deployment to within the previous four releases. There may be a minimum patch-level requirement for upgrades to certain releases. With this release of Oracle Database Appliance, there are a few changes to the patching procedure. Ensure that you follow the sequence of steps for patching your appliance as described in the *Oracle Database Appliance Deployment and User's Guide* for your hardware model.

① See Also

For supported Oracle Database releases on Oracle Database Appliance, see *My Oracle Support Note 2757884.1* at <https://support.oracle.com/rs?type=doc&id=2757884.1>.

Use the following table as an indicator for minimum requirements for patching to a release.

Table 3-1 Minimum Patch Requirements for Oracle Database Appliance Releases

Oracle Database Appliance Release (To patch to this release...)	Earliest Supported Release To Patch From (Oracle recommends this release...)
19.32.0.0	For bare metal systems: • 19.31.0.0 • 19.30.0.2.0 • 19.30.0.1.0 • 19.30.0.0 • 19.29.0.1.0 • 19.29.0.0 • 19.28.0.0
19.31.0.0	For bare metal systems: • 19.30.0.2.0 • 19.30.0.1.0 • 19.30.0.0 • 19.29.0.1.0 • 19.29.0.0 • 19.28.0.0 • 19.27.0.0
19.30.0.0	For bare metal systems: • 19.29.0.1.0 • 19.29.0.0 • 19.28.0.0 • 19.27.0.0 • 19.26.0.0
19.29.0.0	For bare metal systems: • 19.28.0.0 • 19.27.0.0 • 19.26.0.0 • 19.25.0.0
19.28.0.0	For bare metal systems: • 19.27.0.0 • 19.26.0.0 • 19.25.0.0 • 19.24.0.0
19.27.0.0	For bare metal systems: • 19.26.0.0 • 19.25.0.0 • 19.24.0.0 • 19.23.0.0
19.26.0.0	For bare metal systems: • 19.25.0.0 • 19.24.0.0 • 19.23.0.0 • 19.22.0.0

Table 3-1 (Cont.) Minimum Patch Requirements for Oracle Database Appliance Releases

Oracle Database Appliance Release (To patch to this release...)	Earliest Supported Release To Patch From (Oracle recommends this release...)
19.25.0.0	For bare metal systems: • 19.24.0.0 • 19.23.0.0 • 19.22.0.0 • 19.21.0.0
19.24.0.0	For bare metal systems: • 19.23.0.0 • 19.22.0.0 • 19.21.0.0 • 19.20.0.0 Note: If your deployment is on Oracle Database Appliance release 19.20, then use Data Provisioning Reprovisioning to upgrade your appliance. If your deployment is on Oracle Database Appliance release 19.22 or 19.21, then patch your appliance.
19.23.0.0	For bare metal systems: • 19.22.0.0 • 19.21.0.0 • 19.20.0.0 • 19.19.0.0 Note: If your deployment is on Oracle Database Appliance release 19.19 or 19.20, then use Data Provisioning Reprovisioning to upgrade your appliance. If your deployment is on Oracle Database Appliance release 19.22 or 19.21, then patch your appliance.
19.22.0.0	For bare metal systems: • 19.21.0.0 • 19.20.0.0 • 19.19.0.0 • 19.18.0.0 Note: If your deployment is on Oracle Database Appliance release 19.18, 19.19, or 19.20, then use Data Provisioning Reprovisioning to upgrade your appliance. If your deployment is on Oracle Database Appliance release 19.21, then patch your appliance.
19.21.0.0	For bare metal systems: • 19.20.0.0 • 19.19.0.0 • 19.18.0.0 • 19.17.0.0 Only for Oracle Database Appliance X10, patch from 19.20.0.1 on bare metal systems.
19.20.0.0	For bare metal systems: • 19.19.0.0 • 19.18.0.0 • 19.17.0.0 • 19.16.0.0

Table 3-1 (Cont.) Minimum Patch Requirements for Oracle Database Appliance Releases

Oracle Database Appliance Release (To patch to this release...)	Earliest Supported Release To Patch From (Oracle recommends this release...)
19.19.0.0	For bare metal systems: • 19.18.0.0 • 19.17.0.0 • 19.16.0.0 • 19.15.0.0
19.18.0.0	For bare metal systems: • 19.17.0.0 • 19.16.0.0 • 19.15.0.0 • 19.14.0.0
19.17.0.0	For bare metal systems: • 19.16.0.0 • 19.15.0.0 • 19.14.0.0 • 19.13.0.0
19.16.0.0	For bare metal systems: • 19.15.0.0 • 19.14.0.0 • 19.13.0.0 • 19.12.0.0
19.15.0.0	For bare metal systems: • 19.14.0.0 • 19.13.0.0 • 19.12.0.0 • 19.11.0.0
19.14.0.0	For bare metal systems: • 19.13.0.0 • 19.12.0.0 • 19.11.0.0 • 19.10.0.0
19.13.0.0	For bare metal systems: • 19.12.0.0 • 19.11.0.0 • 19.10.0.0 • 19.9.0.0 For virtualized platform deployments: • 19.9.0.0 • 19.8.0.0
19.12.0.0	For bare metal systems: • 19.11.0.0 • 19.10.0.0 • 19.9.0.0 • 19.8.0.0

Table 3-1 (Cont.) Minimum Patch Requirements for Oracle Database Appliance Releases

Oracle Database Appliance Release (To patch to this release...)	Earliest Supported Release To Patch From (Oracle recommends this release...)
19.11.0.0	For bare metal systems: • 19.10.0.0 • 19.9.0.0 • 19.8.0.0 • 19.7.0.0
19.10.0.0	For bare metal systems: • 19.9.0.0 • 19.8.0.0 • 19.7.0.0 • 19.6.0.0
19.9.0.0	For bare metal systems: • 19.8.0.0 • 19.7.0.0 • 19.6.0.0 • 19.5.0.0 For virtualized platform deployments: • 19.8.0.0
19.8.0.0	For bare metal systems: • 19.7.0.0 • 19.6.0.0 • 19.5.0.0 For virtualized platform deployments: • 18.8.0.0
19.7.0.0	• 19.6.0.0 • 19.5.0.0
19.6.0.0	• 18.8.0.0
18.8.0.0	• 18.7.0.0 • 18.5.0.0 • 18.3.0.0
18.7.0.0	• 18.5.0.0 • 18.3.0.0
18.5.0.0	• 18.3.0.0
18.3.0.0	• 12.2.1.4.0 • 12.2.1.3.0 • 12.2.1.2.0 • 12.1.2.12
12.2.1.4.0	• 12.2.1.3.0 • 12.2.1.2.0 • 12.1.2.12
12.2.1.3.0	• 12.2.1.2.0 • 12.1.2.12
12.2.1.2.0	• 12.1.2.12

Note: 12.2.1.2.0 is not supported on virtualized platform.

Table 3-1 (Cont.) Minimum Patch Requirements for Oracle Database Appliance Releases

Oracle Database Appliance Release (To patch to this release...)	Earliest Supported Release To Patch From (Oracle recommends this release...)
12.1.2.12	• 12.1.2.11 • 12.1.2.10 • 12.1.2.9 • 12.1.2.8
12.1.2.11	• 12.1.2.10 • 12.1.2.9 • 12.1.2.8 • 12.1.2.7
12.1.2.10	• 12.1.2.9 • 12.1.2.8 • 12.1.2.7 • 12.1.2.6
12.1.2.9	• 12.1.2.8 • 12.1.2.7 • 12.1.2.6
12.1.2.5	12.1.2.0 to 12.1.2.4
12.1.2.0.0	2.2.0.0.0 to 2.10.0.0.0
2.2.0.0.0	2.1.0.3.1 or earlier

Release 12.2.1.1.0 is only supported on X7–2 models and hence is not listed in the table.

Related Topics

- Patching Oracle Database Appliance

Minimum Software Version Requirements

Review the minimum software version requirements for installing this release of Oracle Database Appliance.

You can patch to Oracle Database Appliance release 19.32 on Oracle Database Appliance bare metal systems and DB systems from Oracle Database Appliance releases 19.28, 19.29, 19.30, and 19.31. You can also provision and patch Oracle Database Appliance bare metal systems and DB systems on KVM to release 19.32.

Oracle Database Appliance Bare Metal System and KVM Patches

Download the patches available for Oracle Database Appliance in My Oracle Support, get information on the prerequisites, and how to apply the patches.

When downloading a patch from My Oracle Support, select Oracle Database Appliance release 19.32 from the release list.

Table 3-2 Oracle Database Appliance Patches for Oracle Database Appliance Release 19.32

Patch Type	Patch Number	Description	Resources
Oracle Database Appliance 19.32.0.0.0 Server Patch for Bare Metal Systems	39662630	Use the server patch to update your deployment to Oracle Database Appliance release 19.32. You must download the Server Patch, Oracle Grid Infrastructure clone file, and the Oracle Database clone file to update your deployment to release 19.32.	For patching to Oracle Database Appliance release 19.32: Patching Oracle Database Appliance
Oracle Database Appliance 19.32.0.0.0 GI Clone for ODACLI/DCS Stack	30403673	Use patch 30403673 to update your deployment to this Oracle Database Appliance release. You also use this patch to perform an initial deployment of Oracle Database Appliance. The bundle contains the latest Oracle Grid Infrastructure and database components for deployment on an Oracle Database Appliance after re-imaging Oracle Database Appliance with the Oracle Database Appliance ISO Image for release 19.32.	Provisioning Oracle Database Appliance Software
Oracle Database Appliance 19.32.0.0.0 RDBMS Clone for ODACLI/DCS Stack	30403662	Use Oracle Database Appliance Database Clone 19.32.0.0.260721 for ODACLI/DCS stack to create 19.32.0.0.0 database homes for the ODACLI/DCS stack.	Provisioning Oracle Database Appliance Software
Oracle Database Appliance 19.32.0.0.0 OS ISO Image for all Platform	30403643	Use the ISO image to re-image the operating system for Oracle Database Appliance 19.32. Re-imaging a server installs the new operating system on the local disks on that server.	Re-imaging Oracle Database Appliance
Oracle Database Appliance 26ai DB System Image Download for KVM	36524660	Use the 26ai DB System template to deploy KVM-based virtualization for Oracle Database Appliance 26ai DB system.	Managing DB Systems in KVM Deployment

Table 3-2 (Cont.) Oracle Database Appliance Patches for Oracle Database Appliance Release 19.32

Patch Type	Patch Number	Description	Resources
Oracle Database Appliance 26ai GI Clone for DB Systems	36524627	Use the Oracle Grid Infrastructure 26ai clone file to deploy Oracle Grid Infrastructure 26ai on DB system.	Managing DB Systems in KVM Deployment
Oracle Database Appliance 26ai Database Clone for DB Systems	36524642	Use the Oracle Database Appliance 26ai clone file to deploy Oracle AI Database 26ai database on DB system.	Managing DB Systems in KVM Deployment
Oracle Database Appliance 19.32.0.0.0 DB System Image Download for KVM	32451228	Use the KVM DB System template to deploy 19c KVM-based virtualization for Oracle Database Appliance 19.32.	Managing DB Systems in KVM Deployment
Oracle Database Appliance 26ai DB System Server Patch	39662638	Use the KVM DB System template to patch 26ai KVM-based virtualization for Oracle Database Appliance 19.32.	Managing DB Systems in KVM Deployment

4

Known Issues with Oracle Database Appliance in This Release

The following are known issues deploying, updating, and managing Oracle Database Appliance in this release.

- [Known Issues When Patching Oracle Database Appliance](#)
Understand the known issues when patching Oracle Database Appliance to this release.
- [Known Issues When Deploying Oracle Database Appliance](#)
Understand the known issues when provisioning or deploying Oracle Database Appliance.
- [Known Issues When Managing Oracle Database Appliance](#)
Understand the known issues when managing or administering Oracle Database Appliance.

Known Issues When Patching Oracle Database Appliance

Understand the known issues when patching Oracle Database Appliance to this release.

Warning

When you patch your deployment from Oracle Database Appliance release 19.29 to Oracle Database Appliance release 19.30, if you see the error DCS-10315 - Patch described in My Oracle Support Note KB867473 must be applied. in the prepatch report, ensure that you follow the procedure described in *My Oracle Support Note KB867473*, and then use the `--force` option with the `odacli update-database` or `odacli update-dbhome` command.

- [Error in creating database on DB system on multi-user access enabled system](#)
When creating a database on a multi-user access enabled DB system, an error is encountered.
- [Error in applying data patch](#)
When applying the data patch on Oracle Database Appliance, an error may be encountered.
- [Earlier release kernel active during patching](#)
Before patching to a later ODA release, the active kernel may not match the latest kernel installed for the current ODA release.
- [Alert about Oracle ASMFD when patching DB system](#)
When patching a DB system, an alert message about Oracle ASMFD is displayed.
- [Error in running prepatch checks](#)
When running prepatch report on Oracle Database Appliance, an error may be encountered.

- [Free space issue during database patching](#)
When patching the database on Oracle Database Appliance, an error may be encountered.
- [Error in DB system after server patching](#)
After patching the server on Oracle Database Appliance, an error may be encountered on the DB system.
- [Error in server patching](#)
When patching the server on Oracle Database Appliance, an error may be encountered.
- [Error in database patching](#)
When patching a database on Oracle Database Appliance, an error may be encountered.
- [Component version not updated after patching](#)
After patching the Oracle Database Appliance server, the `odacli describe-component` command does not display the correct Intel Model 0x1528 Ethernet Controller version, if the current version is 8000047B or 8000047C.
- [Error in server patching](#)
When patching Oracle Database Appliance which already has STIG V1R2 deployed, an error may be encountered.
- [AHF error in prepatch report for the update-dbhome command](#)
When you patch server to Oracle Database Appliance release 19.32, the `odacli update-dbhome` command may fail.
- [Errors when running ORAchk or the odacli create-prepatchreport command](#)
When you run `ORAchk` or the `odacli create-prepatchreport` command, an error is encountered.
- [Error in patching prechecks report](#)
The patching prechecks report may display an error.
- [Server status not set to Normal when patching](#)
When patching Oracle Database Appliance, an error is encountered.
- [Patching of M.2 drives not supported](#)
Patching of M.2 drives (local disks SSDSCKJB48 and SSDSCKJB480G7) is not supported.

Error in creating database on DB system on multi-user access enabled system

When creating a database on a multi-user access enabled DB system, an error is encountered.

Problem Description

Creation of database as the `odaadmin` user on a multi-user access enabled DB system with `enableRoleSeparation` set to `false` during provisioning of the DB system may fail.

Failure Message

When you run the `odacli create-database` command, the following error message may be displayed:

```
DCS-10001: FAILED TO CREATE THE DATABASE: THERE ARE NO ASM DISK GROUPS  
DETECTED
```

Command Details

```
# odacli create-database
```

Hardware Models

All Oracle Database Appliance hardware models with multi-user access enabled systems

Workaround

Do one of the following:

- Create the database using the default oracle user created as part of provisioning the DB system.
- As root user, run the `usermod -a -G DBA role group name odaadmin` command to add the user odaadmin to the DBA group. The name of the group is specified in the provisioning json for the DB system. After this, run the `odacli create-database` command as the odaadmin user.

Bug Number

This issue is tracked with Oracle bug 38920839.

Error in applying data patch

When applying the data patch on Oracle Database Appliance, an error may be encountered.

Failure Message

The following error message is displayed:

```
DCS-10001:Internal error encountered: Apply datapatch failed
```

Task Level Failure Message

```
DcsException{errorHttpCode=InternalServerError, msg=Internal error encountered:  
Apply datapatch failed., msgId=10001, causedBy=null}
```

Command Details

```
# odacli update-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Run the following command on CDB and non-CDB:

```
SELECT file_name FROM dba_temp_files WHERE tablespace_name = IN ('TEMP',  
'TEMP_ENC');  
alter database tempfile <cdbfilepath> autoextend on next 100m maxsize 20g;
```

2. For CDB, run the following commands for each PDB:

```
ALTER SESSION SET CONTAINER = pdbrname  
SELECT file_name FROM dba_temp_files WHERE tablespace_name IN ('TEMP',  
'TEMP_ENC');  
ALTER DATABASE TEMPFILE pdbfilepath AUTOEXTEND ON NEXT 100M MAXSIZE 20G;
```

3. Run `odacli update-database` command with the `-dp` option.

Bug Number

This issue is tracked with Oracle bug 39728065.

Earlier release kernel active during patching

Before patching to a later ODA release, the active kernel may not match the latest kernel installed for the current ODA release.

Problem Description

On Oracle Database Appliance systems upgraded from an earlier Unbreakable Enterprise Kernel 6 (UEK6)-based release through the UEK6-to-UEK7 migration path, the system may continue to restart with a kernel from an earlier Oracle Database Appliance release even though the kernel RPM for the current release is installed.

This issue occurs only when all of the following conditions apply:

- The system was originally provisioned on a UEK6-based Oracle Database Appliance release.
- The system was later upgraded through the UEK6-to-UEK7 migration path.
- The system is currently running Oracle Database Appliance release 19.30 or 19.31.
- After patching, the newly installed kernel was not selected as the default boot kernel, and the system continued to run the earlier Oracle Database Appliance kernel.

Systems freshly provisioned with Oracle Database Appliance release 19.27 or later are not affected because they do not undergo the UEK6-to-UEK7 migration.

For example, an Oracle Database Appliance release 19.31 system may still be running the Oracle Database Appliance release 19.30 kernel:

```
# uname -r  
5.15.0-316.196.4.1.el8uek.x86_64  
  
# rpm -qa | grep '^kernel-uek-core' | sort  
kernel-uek-core-5.15.0-316.196.4.1.el8uek.x86_64  
kernel-uek-core-5.15.0-319.201.4.4.el8uek.x86_64  
  
# grubby --default-kernel  
/boot/vmlinuz-5.15.0-316.196.4.1.el8uek.x86_64
```

In this example, the Oracle Database Appliance 19.30 kernel is active and configured as the default, while the Oracle Database Appliance release 19.31 kernel is installed but inactive. If this condition is not corrected before patching to Oracle Database Appliance release 19.32, then the patching process may preserve the active Oracle Database Appliance release 19.30 kernel and remove the inactive Oracle Database Appliance release 19.31 kernel. The system may then contain the Oracle Database Appliance release 19.32 and Oracle Database Appliance release 19.30 kernels instead of the expected Oracle Database Appliance release 19.32 and Oracle Database Appliance release 19.31 kernels. The following kernel versions are used in this example:

```
Oracle Database Appliance release 19.30: kernel-uek-  
core-5.15.0-316.196.4.1.el8uek.x86_64  
Oracle Database Appliance release 19.31: kernel-uek-  
core-5.15.0-319.201.4.4.el8uek.x86_64  
Oracle Database Appliance release 19.32: kernel-uek-  
core-5.15.0-321.202.5.2.el8uek.x86_64
```

Command Details

Before starting the patching operation, verify the active, installed, and default kernels:

```
# uname -r  
# rpm -qa | grep '^kernel-uek-core' | sort  
# grubby --default-kernel
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. If the system is running an earlier kernel while the latest kernel for the current Oracle Database Appliance release is installed, then configure the latest installed kernel as the default and restart the system before starting the patching operation. For example, on an Oracle Database Appliance release 19.31 system:

```
# grubby --set-default /boot/vmlinuz-5.15.0-319.201.4.4.el8uek.x86_64  
  
# grubby --default-kernel  
/boot/vmlinuz-5.15.0-319.201.4.4.el8uek.x86_64  
  
# reboot
```

2. After the system restarts, verify that the expected kernel is active:

```
# uname -r  
5.15.0-319.201.4.4.el8uek.x86_64
```

3. After confirming that the correct kernel is active, proceed with the Oracle Database Appliance patching operation. If the required kernel RPM has already been removed, contact Oracle Support for instructions to reinstall the appropriate kernel RPM and restore the expected boot configuration.

Bug Number

This issue is tracked with Oracle bug 39732559.

Alert about Oracle ASMFD when patching DB system

When patching a DB system, an alert message about Oracle ASMFD is displayed.

Problem Description

The precheck Validate DB System AFD state may report DB systems that do not have Oracle ASMFD configured.

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Create the prepatch report on DB systems after patching the bare metal system. The precheck for Oracle ASMFD is not run if Oracle ASMFD is not enabled on the DB systems.

Bug Number

This issue is tracked with Oracle bug 38866175.

Error in running prepatch checks

When running prepatch report on Oracle Database Appliance, an error may be encountered.

Problem Description

When running the prechecks report for patching, the operation may fail.

Failure Message

The following error message may be displayed:

```
DCS-10267 - failed to run the patch precheck with Oracle FPP for Oracle home  
ID home_ID Internal error encountered: PRG0-1198: The source working copy is  
incomplete.
```

Command Details

```
# odacli create-prepatchreport
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Verify that the Oracle home with the ID described in the prepatch report exists on both nodes.

2. Determine which node had the prepatch failure using the `odacli describe-prepatchreport -i` command.
3. Stop the DCS agent on the node where the prepatch report failed:

```
systemctl stop initdcsagent
```

4. Run the following command on the same node as the root use.

```
export DB_HOME=$(odacli-view describe-prepatchreport -i PREPATCH_ID | grep  
'Description:' | sed -n 's/.*DbHome is \([^ ]*\).*\1/p');  
/opt/oracle/dcs/mysql/bin/mysql -hlocalhost -uroot --socket=/opt/  
oracle/dcs/mysql/log/mysqlldb.sock -e "USE GHSUSER23; UPDATE SWHOMES SET  
complete=1 WHERE name='$DB_HOME'; COMMIT;"
```

5. Run the command `systemctl start initdcsagent`.
6. Create the prepatch report again.

Bug Number

This issue is tracked with Oracle bug 38934628.

Free space issue during database patching

When patching the database on Oracle Database Appliance, an error may be encountered.

Problem Description

When patching the database or dbhome on Oracle Database Appliance, the datapatch sanity check or the datapatch application may fail because of insufficient free space for TEMP tablespace.

Failure Message

The following error message may be displayed in the `sqlpatch_debug.log`:

```
ORA-01652: unable to extend temp segment by 128 in tablespace TEMP_ENC
```

Or, in the `sanity_checks.log`:

```
Check: Tablespace Status - ERROR
```

Command Details

```
# odacli update-dbhome  
# odacli update-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Extend tablespace TEMP_ENC and then resume the patching operation using the command `odacli update-database`.

```
alter database tempfile 4 resize 400M;  
alter session set container=CHSTPDB;  
alter database tempfile 5 resize 400M;
```

Bug Number

This issue is tracked with Oracle bug 37616088.

Error in DB system after server patching

After patching the server on Oracle Database Appliance, an error may be encountered on the DB system.

Failure Message

The following error message is displayed:

```
DCS-10172:DCS infrastructure is not ready: The infrastructure is still  
initializing
```

Command Details

Any command requiring the DCS infrastructure, such as:

```
# odacli update-server
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. On the DB system, stop the DCS agent service:

```
# systemctl stop initdcsagent
```

2. Delete the entry `HWADDR=null` from the `/etc/sysconfig/network-scripts/ifcfg-ib*` configuration files:

```
# sed -i '/HWADDR=null/d' /etc/sysconfig/network-scripts/ifcfg-ib*
```

3. Restart the network service:

```
# systemctl restart network
```

4. Start the DCS agent service:

```
# systemctl start initdcsagent
```

5. Wait for about 5 minutes and then verify that the DCS agent infrastructure is initialized, and both Oracle HAMI members are ONLINE.

```
# /opt/oracle/dcs/hami/bin/hamictl.sh status
```

6. Verify that Oracle Clusterware service is online:

```
# CRS_HOME/bin/crsctl check cluster -all
*****
Node0:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
*****
Node1:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
*****
```

7. If Oracle Clusterware is not online on any DB system, then restart Oracle Clusterware on that DB system:

```
# CRS_HOME/bin/crsctl stop crs -f
# CRS_HOME/bin/crsctl start crs
```

Bug Number

This issue is tracked with Oracle bug 38064361.

Error in server patching

When patching the server on Oracle Database Appliance, an error may be encountered.

Problem Description

When patching the server on Oracle Database Appliance, the kdump may fail to start during node restart, and an error message may be displayed.

Failure Message

There may be an error locating the modules.dep for the newly installed kernel, and the following error message is displayed:

```
# systemctl status kdump -l
kdump.service - Crash recovery kernel arming
Loaded: loaded (/usr/lib/systemd/system/kdump.service; enabled; vendor
preset: enabled)
Active: failed (Result: exit-code) since Tue 2024-10-15 11:51:15 IST; 8min
ago
Process: 6280 ExecStart=/usr/bin/kdumpctl start (code=exited, status=1/
```

```

FAILURE)
Main PID: 6280 (code=exited, status=1/FAILURE)

Oct 15 11:51:12 systemd[1]: Starting Crash recovery kernel arming...
Oct 15 11:51:12 kdumpctl[6471]: kdump: No kdump initial ramdisk found.
Oct 15 11:51:12 kdumpctl[6471]: kdump: Rebuilding /boot/
initramfs-5.4.17-2136.335.4.el8uek.x86_64kdump.img
Oct 15 11:51:13 kdumpctl[6566]: kdump: Warning: There might not be enough
space to save a vmcore.
Oct 15 11:51:13 kdumpctl[6566]: kdump:          The size of /dev/mapper/
VolGroupSys-LogVolRoot should be greater than 393610208 kilo bytes.
Oct 15 11:51:15 dracut[8055]: Executing: /usr/bin/dracut --add kdumpbase --
quiet --hostonly --hostonly-cmdline --hostonly-i18n --hostonly-mode strict --
hostonly-nics -o "plymouth dash resume ifcfg earlykdump" --compress=xz --
mount "/dev/mapper/VolGroupSys-LogVolRoot /sysroot ext4 rw,relatime,nofail,x-
systemd.before=initrd-fs.target" --no-hostonly-default-device --add-
device /dev/md0 -f /boot/initramfs-5.4.17-2136.335.4.el8uek.x86_64kdump.img
5.4.17-2136.335.4.el8uek.x86_64
Oct 15 11:51:15 kdumpctl[7997]: dracut: /lib/modules/
5.4.17-2136.335.4.el8uek.x86_64//modules.dep is missing. Did you run depmod?
Oct 15 11:51:15 dracut[8055]: /lib/modules/5.4.17-2136.335.4.el8uek.x86_64//
modules.dep is missing. Did you run depmod?
Oct 15 11:51:15 kdumpctl[6471]: kdump: mkdumprd: failed to make kdump initrd
Oct 15 11:51:15 kdumpctl[6471]: kdump: Starting kdump: [FAILED]
Oct 15 11:51:15 systemd[1]: kdump.service: Main process exited, code=exited,
status=1/FAILURE
Oct 15 11:51:15 systemd[1]: kdump.service: Failed with result 'exit-code'.
Oct 15 11:51:15 systemd[1]: Failed to start Crash recovery kernel arming.

```

Command Details

```
# odacli update-server
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Restart the kdump service:

```

# systemctl restart kdump

# systemctl status kdump -l
kdump.service - Crash recovery kernel arming
   Loaded: loaded (/usr/lib/systemd/system/kdump.service; enabled; vendor
   preset: enabled)
   Active: active (exited) since Sat 2024-10-19 09:34:23 IST; 8s ago
     Process: 2028 ExecStart=/usr/bin/kdumpctl start (code=exited, status=0/
   SUCCESS)
    Main PID: 2028 (code=exited, status=0/SUCCESS)

Oct 19 09:34:21 dracut[2762]: rd.lvm.lv=VolGroupSys/LogVolRoot
Oct 19 09:34:21 dracut[2762]: rd.md.uuid=1e7140f4:2f5386a9:3093dd8d:ee3b9b29
Oct 19 09:34:22 dracut[2762]: *** Install squash loader ***

```

```
Oct 19 09:34:22 dracut[2762]: *** Squashing the files inside the initramfs ***
Oct 19 09:34:23 dracut[2762]: *** Squashing the files inside the initramfs
done ***
Oct 19 09:34:23 dracut[2762]: *** Creating image file '/boot/
initramfs-5.4.17-2136.335.4.el8uek.x86_64kdump.img' ***
Oct 19 09:34:23 dracut[2762]: *** Creating initramfs image file '/boot/
initramfs-5.4.17-2136.335.4.el8uek.x86_64kdump.img' done ***
Oct 19 09:34:23 kdumpctl[2104]: kdump: kexec: loaded kdump kernel
Oct 19 09:34:23 kdumpctl[2104]: kdump: Starting kdump: [OK]
Oct 19 09:34:23 systemd[1]: Started Crash recovery kernel arming.
```

Bug Number

This issue is tracked with Oracle bug 36998253.

Error in database patching

When patching a database on Oracle Database Appliance, an error may be encountered.

Problem Description

When applying the datapatch during patching of database on Oracle Database Appliance, an error message may be displayed.

Failure Message

When the `odacli update-database` command is run, the following error message is displayed:

```
Failed to execute sqlpatch for database ...
```

Command Details

```
# odacli update-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

1. Run the following SQL*Plus command:

```
alter system set nls_sort='BINARY' SCOPE=SPFILE;
```
2. Restart the database using `srvctl` command.
3. Retry applying the datapatch with `dbhome/OPatch/datapatch -verbose -db dbUniqueName`.

Bug Number

This issue is tracked with Oracle bug 35060742.

Component version not updated after patching

After patching the Oracle Database Appliance server, the `odacli describe-component` command does not display the correct Intel Model 0x1528 Ethernet Controller version, if the current version is 8000047B or 8000047C.

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Manually update the Ethernet controllers to 00005DD or 800005DE using the `fwupdate` command.

This issue is tracked with Oracle bug 34402352.

Error in server patching

When patching Oracle Database Appliance which already has STIG V1R2 deployed, an error may be encountered.

On an Oracle Database Appliance deployment with release earlier than 19.32, if the Security Technical Implementation Guidelines (STIG) V1R2 is already deployed, then when you patch to 19.32 or earlier, and run the command `odacli update-server -f version`, an error may be displayed.

Hardware Models

All Oracle Database Appliance hardware models

Workaround

The STIG V1R2 rule OL7-00-040420 tries to change the permission of the file `/etc/ssh/ssh_host_rsa_key` from '640' to '600' which causes the error. During patching, run the command `chmod 600 /etc/ssh/ssh_host_rsa_key` command on both nodes.

This issue is tracked with Oracle bug 33168598.

AHF error in prepatch report for the update-dbhome command

When you patch server to Oracle Database Appliance release 19.32, the `odacli update-dbhome` command may fail.

The following error message is displayed in the pre-patch report:

Verify the Alternate Archive Destination is Configured to archive	Failed	AHF-4940: One or more log archive destination and alternate log
Prevent Database Hangs recommended		destination settings are not as

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Run the `odacli update-dbhome` command with the `-f` option.

```
/opt/oracle/dcs/bin/odacli update-dbhome --dbhomeid 7c67c5b4-  
f585-4ba9-865f-c719c63c0a6e -v 19.32.0.0.0 -f
```

This issue is tracked with Oracle bug 33144170.

Errors when running ORAchk or the odacli create-prepatchreport command

When you run ORAchk or the `odacli create-prepatchreport` command, an error is encountered.

The following error messages may be seen:

```
One or more log archive destination and alternate log archive destination  
settings are not as recommended  
Software home check failed
```

Hardware Models

Oracle Database Appliance hardware models bare metal deployments

Workaround

Run the `odacli update-dbhome`, `odacli create-prepatchreport`, `odacli update-server` commands with the `-sko` option. For example:

```
odacli update-dbhome -j -v 19.32.0.0.0 -i dbhome_id -sko
```

This issue is tracked with Oracle bugs 30931017, 31631618, and 31921112.

Error in patching prechecks report

The patching prechecks report may display an error.

The following error message may be displayed:

```
Failure in the pre-patch report caused by "AHF-5190: operating system boot  
device order is not configured as recommended"
```

Hardware Models

Oracle Database Appliance hardware models

Workaround

Run the `odacli update-server` or `odacli update-dbhome` command with the `-f` option.

This issue is tracked with Oracle bug 33631256.

Server status not set to Normal when patching

When patching Oracle Database Appliance, an error is encountered.

When patching the appliance, the `odacli update-server` command fails with the following error:

```
DCS-10001:Internal error encountered: Server upgrade state is not NORMAL  
node_name
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

1. Run the command:

```
Grid_home/bin/cluvfy stage -post crsinst -collect cluster -gi_upgrade -n  
all
```

2. Ignore the following two warnings:

```
Verifying OCR Integrity ...WARNING  
PRVG-6017 : OCR backup is located in the same disk group "+DATA" as OCR.
```

```
Verifying Single Client Access Name (SCAN) ...WARNING  
RVG-11368 : A SCAN is recommended to resolve to "3" or more IP
```

3. Run the command again till the output displays only the two warnings above. The status of Oracle Custerware status should be Normal again.
4. You can verify the status with the command:

```
Grid_home/bin/crsctl query crs activeversion -f
```

This issue is tracked with Oracle bug 30099090.

Patching of M.2 drives not supported

Patching of M.2 drives (local disks SSDSCKJB48 and SSDSCKJB480G7) is not supported.

These drives are displayed when you run the `odacli describe-component` command. Patching of neither of the two known versions 0112 and 0121 of the M.2 disk is supported.

Hardware Models

Oracle Database Appliance bare metal deployments

Workaround

None

This issue is tracked with Oracle bug 30249232.

Known Issues When Deploying Oracle Database Appliance

Understand the known issues when provisioning or deploying Oracle Database Appliance.

- [Error in creating database home](#)
When creating a database home on Oracle Database Appliance, an error may be encountered.
- [Database home not completely deleted](#)
After the job to delete Oracle Database Standard Edition database is completed on a two node DB system, the database home folder along with its payloads are not deleted on the remote node.
- [Error in cloning a database](#)
When cloning a database on Oracle Database Appliance, an error may be encountered.
- [Error in creating DB system](#)
When creating a DB system, an error may be encountered.
- [Error in database creation on multi-user access enabled system](#)
When creating a database on multi-user access enabled system on Oracle Database Appliance, an error may be encountered.
- [Error in configuring Oracle ASR](#)
When configuring Oracle ASR, an error may be encountered when registering Oracle ASR Manager due to an issue while contacting the transport server.
- [Error in creating database](#)
When creating a database on Oracle Database Appliance, an error may be encountered.
- [Error in creating two DB systems](#)
When creating two DB systems concurrently in two different Oracle ASM disk groups, an error is encountered.
- [Error in adding JBOD](#)
When you add a second JBOD to your Oracle Database Appliance deployment on which a DB system is running, an error is encountered.
- [Error in provisioning appliance after running cleanup.pl](#)
Errors encountered in provisioning appliance after running cleanup.pl.
- [Error encountered after running cleanup.pl](#)
Errors encountered in running odacli commands after running cleanup.pl.
- [Errors in clone database operation](#)
Clone database operation fails due to errors.

Error in creating database home

When creating a database home on Oracle Database Appliance, an error may be encountered.

Problem Description

When provisioning the database home, you run the `odacli create-dbhome` or `odacli create-prepatchreport` command, an error may be encountered due to a temporary lock of the `/u01/app/oraInventory/` directory.

Failure Message

When you run the `odacli create-prepatchreport` command, the following error message may be displayed:

```
DCS-10267 - failed to run the patch precheck with Oracle FPP for Oracle home  
ID dbhome_ID For input string: "dbhome_name"
```

When you run the `odacli create-dbhome` command, the following error message may be displayed:

```
DCS-10001:Internal error encountered: Failed to run create dbhome  
dbhome_name : null
```

Command Details

```
# odacli create-dbhome  
# odacli create-prepatchreport
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Delete the partially created atabase home using the `odacli delete-dbhome` command and run the `odacli create-prepatchreport` or `odacli create-dbhome` command again.

Bug Number

This issue is tracked with Oracle bug 38143200.

Database home not completely deleted

After the job to delete Oracle Database Standard Edition database is completed on a two node DB system, the database home folder along with its payloads are not deleted on the remote node.

Command Details

```
odacli delete-dbhome
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Remove the JSON and folders of the database home that is not deleted on the remote folder, that is different from the node where you ran the `odacli delete-dbhome` command.

1. As dbhome owner, run the command:

```
[dbhome_owner ~]$ sh dbhome_location/oui/bin/detachHome.sh  
Starting Oracle Universal Installer...
```

```
Checking swap space: must be greater than 500 MB. Actual 22931 MB  
Passed  
The inventory pointer is located at /etc/oraInst.loc
```

2. As root user, run the command:

```
[root ~]# rm -rf dbhome_folder
```

Bug Number

This issue is tracked with Oracle bug 39662467.

Error in cloning a database

When cloning a database on Oracle Database Appliance, an error may be encountered.

Failure Message

```
DCS-10001 Failed to run NID utility..NID operation to change dbname and/or  
dbID failed
```

Command Details

```
odacli clone-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Manually set write permissions for others on the /tmp/dcsfiles directory

```
chmod u+w /tmp/dcsfiles
```

2. Run the odacli clone-database command.

Bug Number

This issue is tracked with Oracle bug 39729585.

Error in creating DB system

When creating a DB system, an error may be encountered.

Problem Description

When you create a DB system on Oracle Database Appliance, the following error may be encountered:

```
DCS-10001:THE CONNECTION IS CLOSED
```

This error may occur when the bare metal system is provisioned with NTP configured, or there is a time difference between bare metal system and the standard NTP server, or the DB system is created after NTP is configured.

Failure Message

```
[DB System n1 creation] - DCS-10001:Internal error encountered: Job  
'Provision DB System 'n1'' (f91fd1db-78ec-452d-bcdb-975947849370) failed.
```

Command Details

```
odacli create-dbsystem
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Provision the bare metal system without configuring NTP.

If there is a time difference between the bare metal system and the standard NTP server, then add several minutes to the current date.

Enable chrony.

1. Before enabling chrony, add or update the chrony configuration as follows:

```
-----  
# cat /etc/chrony.conf  
server 10.246.6.36 iburst  
driftfile /var/lib/chrony/drift  
makestep 1.0 -1  
rtcsync  
logdir /var/log/chrony  
-----
```

2. Run the systemctl command to enable and start chronyd service:

```
date;  
systemctl enable chronyd  
systemctl start chronyd  
systemctl status chronyd
```

```
sleep 10;
date;
```

3. Create DB system with NTP configured.

Bug Number

This issue is tracked with Oracle bug 37166091.

Error in database creation on multi-user access enabled system

When creating a database on multi-user access enabled system on Oracle Database Appliance, an error may be encountered.

Problem Description

When you create a database on a multi-user access enabled system, an error message may be displayed.

Failure Message

When the user name of database owner contains both lowercase and uppercase letters, the error message may be as follows:

```
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - [FATAL] Error in
Process: /u01/app/KvEl6/product/19.0.0.0/dbhome_2/bin/orapwd
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - Enter password for SYS:
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - OPW-00010: Could not
create the password file.
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - ORA-00600: internal error
code, arguments: [kfzpCreate02], [0], [], [], [], [], [], [], [], [], [], []
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - ORA-15260: permission
denied on ASM disk group
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - ORA-06512: at
"SYS.X$DBMS_DISKGROUP", line 679
[jobid-74f31148-ebe0-4507-9296-b9ad4ca7e03b] - ORA-06512: at line 2
```

When the user name of database owner begins with number digit, the error message may be as follows:

```
PRCZ-4001 : failed to execute command "/u01/app/6RXNI/product/19.0.0.0/
dbhome_15//bin/dbca" using the privileged execution plugin "odaexec" on nodes
"scaoda901c7n1" within 5,000 seconds
PRCZ-2103 : Failed to execute command "/u01/app/6RXNI/product/19.0.0.0/
dbhome_15//bin/dbca" on node "scaoda901c7n1" as user "6RXNI". Detailed error:
[FATAL] [DBT-05801] There are no ASM disk groups detected.
CAUSE: ASM may not be configured, or ASM disk groups are not created yet.
ACTION: Create ASM disk groups, or change the storage location to File
System.
[FATAL] [DBT-05801] There are no ASM disk groups detected.
CAUSE: ASM may not be configured, or ASM disk groups are not created yet.
ACTION: Create ASM disk groups, or change the storage location to File
System.
```

Command Details

```
# odacli create-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Do not start custom user name with number digit or have mixed-case letters in the custom user name.

Bug Number

This issue is tracked with Oracle bug 36878796.

Error in configuring Oracle ASR

When configuring Oracle ASR, an error may be encountered when registering Oracle ASR Manager due to an issue while contacting the transport server.

Failure Message

The following error message is displayed:

```
DCS-10045:Validation error encountered: Registration failed : Please check the agent logs for details.
```

Command Details

```
# odacli configure-asr
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Retry configuring Oracle ASR using the `odacli configure-asr` command.

Bug Number

This issue is tracked with Oracle bug 36363437.

Error in creating database

When creating a database on Oracle Database Appliance, an error may be encountered.

Problem Description

When creating a database on Oracle Database Appliance, the operation may fail after the `createDatabaseByRHP` task. However, the `odacli list-databases` command displays the status as `CONFIGURED` for the failed database in the job results.

Failure Message

When you run the `odacli create-database` command, the following error message is displayed:

```
DCS-10001:Internal error encountered: Failed to clear all listeners from database
```

Command Details

```
# odacli create-database
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Check the job description of the `odacli create-database` command using the `odacli describe-job` command. Fix the issue for the task failure in the `odacli create-database` command. Delete the database with the command `odacli delete-database -n db_name` and retry the `odacli create-database` command.

Bug Number

This issue is tracked with Oracle bug 34709091.

Error in creating two DB systems

When creating two DB systems concurrently in two different Oracle ASM disk groups, an error is encountered.

When attempting to start the DB systems, the following error message is displayed:

```
CRS-2672: Attempting to start 'vm_name.kvm' on 'oda_server'
CRS-5017: The resource action "vm_name.kvm start" encountered the following
error:
CRS-29200: The libvirt virtualization library encountered the following
error:
Timed out during operation: cannot acquire state change lock (held by
monitor=remoteDispatchDomainCreate)
. For details refer to "(:CLSN00107:)" in
"/u01/app/grid/diag/crs/<oda_server>/crs/trace/crsd_orarootagent_root.trc".
CRS-2674: Start of 'vm_name.kvm' on 'oda_server' failed
CRS-2679: Attempting to clean 'vm_name.kvm' on 'oda_server'
CRS-2681: Clean of 'vm_name.kvm' on 'oda_server' succeeded
CRS-4000: Command Start failed, or completed with errors.
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Do not create two DB systems concurrently. Instead, complete the creation of one DB system and then create the other.

This issue is tracked with Oracle bug 33275630.

Error in adding JBOD

When you add a second JBOD to your Oracle Database Appliance deployment on which a DB system is running, an error is encountered.

The following error message is displayed:

```
ORA-15333: disk is not visible on client instance
```

Hardware Models

All Oracle Database Appliance hardware models bare metal and dbssystem

Workaround

Shut down dbssystem before adding the second JBOD.

```
systemctl restart initdcsagent
```

This issue is tracked with Oracle bug 32586762.

Error in provisioning appliance after running cleanup.pl

Errors encountered in provisioning appliance after running cleanup.pl.

After running cleanup.pl, provisioning the appliance fails because of missing Oracle Grid Infrastructure image (IMGGI191100). The following error message is displayed:

```
DCS-10042:User oda-cliadmin cannot be authorized.
```

Hardware Models

All Oracle Database Appliance hardware models for bare metal deployments

Workaround

After running cleanup.pl, and before provisioning the appliance, update the repository as follows:

```
# odacli update-repository -f /**gi**
```

This issue is tracked with Oracle bug 32707387.

Error encountered after running cleanup.pl

Errors encountered in running `odacli` commands after running `cleanup.pl`.

After running `cleanup.pl`, when you try to use `odacli` commands, the following error is encountered:

```
DCS-10042:User oda-cliadmin cannot be authorized.
```

Hardware Models

All Oracle Database Appliance hardware models for bare metal deployments

Workaround

Run the following commands to set up the credentials for the user `oda-cliadmin` on the agent wallet:

```
# rm -rf /opt/oracle/dcs/conf/.authconfig  
# /opt/oracle/dcs/bin/setupAgentAuth.sh
```

This issue is tracked with Oracle bug 29038717.

Errors in clone database operation

Clone database operation fails due to errors.

If the source database is single-instance or Oracle RAC One Node, or running on the remote node, the clone database operation fails, because the paths are not created correctly in the control file.

Clone database operation may also fail with errors if the source database creation time stamp is too close to the clone operation (at least within 60 minutes).

Hardware Models

All Oracle Database Appliance high-availability hardware models for bare metal deployments

Workaround

Create the clone database from the source database instance that is running on the same node from which the clone database creation is triggered.

For Oracle Database 12c and later, synchronize the source database before the clone operation, by running the command:

```
SQL> alter system checkpoint;
```

This issue is tracked with Oracle bugs 29002563, 29002004, 29001906, 29001855, 29001631, 28995153, 28986643, 30309971, and 30228362.

Known Issues When Managing Oracle Database Appliance

Understand the known issues when managing or administering Oracle Database Appliance.

- [Error in configuring Oracle Data Guard in a multiple standby environment](#)
When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.
- [Error in configuring Oracle Data Guard](#)
When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.
- [Error in interconnect network](#)
DCS agent may not be able to run jobs because of an interconnect network issue.
- [Error in configuring multiple standby databases on Oracle Data Guard](#)
When configuring multiple standby databases for Oracle Data Guard on Oracle Database Appliance, an error may be encountered.
- [Error in upgrading Oracle Data Guard](#)
When upgrading Oracle Data Guard, an error may be encountered.
- [Error in creation of Oracle Key Vault TDE-enabled database](#)
When creating an Oracle Key Vault TDE-enabled database on Oracle Database Appliance, an error may be encountered.
- [Error in deleting a TDE-enabled database](#)
When deleting a TDE-enabled database on Oracle Database Appliance, an error may be encountered.
- [Error in configuring Oracle Data Guard](#)
When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.
- [Error in cleaning up a deployment](#)
When cleaning up a Oracle Database Appliance, an error is encountered.
- [Error in display of file log path](#)
File log paths are not displayed correctly on the console but all the logs that were generated for a job have actually logged the correct paths.
- [Error in the enable apply process after upgrading databases](#)
When running the enable apply process after upgrading databases in an Oracle Data Guard deployment, an error is encountered.
- [Error in updating Role after Oracle Data Guard operations](#)
When performing operations with Oracle Data Guard on Oracle Database Appliance, an error is encountered in updating the Role.
- [Inconsistency in ORAchK summary and details report page](#)
ORAchK report summary on the Browser User Interface may show different counts of Critical, Failed, and Warning issues than the report detail page.
- [The odaeraser tool does not work if oakd is running in non-cluster mode](#)
After cleaning up the deployment, the Secure Eraser tool does not work if oakd is running in non-cluster mode.

Error in configuring Oracle Data Guard in a multiple standby environment

When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.

Problem Description

When you configure Oracle Data Guard on an Oracle Database Appliance for multiple standby databases, where dbType is ACFS, an error may be encountered.

Failure Message

When the `odacli configure-dataguard` command is run, the following error message is displayed:

```
DCS-10001:Internal error encountered: Unable to add standby db.
```

Command Details

```
odacli configure-dataguard
```

Hardware Models

All Oracle Database Appliance hardware models high-availability deployments

Workaround

None.

Bug Number

This issue is tracked with Oracle bug 38974337.

Error in configuring Oracle Data Guard

When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.

Problem Description

When you configure Oracle Data Guard on an Oracle Database Appliance for Oracle Database 23ai database with Release Update 23.8, the operation may fail because of missing `tnsnames.ora` file.

Failure Message

When the `odacli configure-dataguard` command is run, the following error message is displayed:

```
DCS-10003:File '/u01/app/oracle/product/23.0.0.0/dbhome_1/network/admin/tnsnames.ora' does not exist
```

Command Details

```
odacli configure-dataguard
```

Hardware Models

All Oracle Database Appliance hardware models high-availability deployments

Workaround

Create the `tnsnames.ora` file in the location `DBHOME/network/admin/tnsnames.ora` of the database that has this issue, and add a TNS entry for it.

For example, add a database with database unique name testdb on the host testhost as follows:

```
cat /u01/app/oracle/product/23.0.0.0/dbhome_1/network/admin/tnsnames.ora
testdb=
(DESCRIPTION=
  (ADDRESS = (PROTOCOL = TCP)(HOST = testhost)(PORT = 1521))
  (CONNECT_DATA =
    (SERVER = DEDICATED)
    (SERVICE_NAME = testdb.example)
  )
)
```

Bug Number

This issue is tracked with Oracle bug 38132893.

Error in interconnect network

DCS agent may not be able to run jobs because of an interconnect network issue.

Problem Description

When you run the `odacli ping-agent` command, an error may be encountered.

Failure message

DCS-10033:Service DCS agent is down.

Command Details

```
# odacli ping-agent
```

Hardware Models

All Oracle Database Appliance hardware models with high-availability

Workaround

Do the following:

1. Validate that the issue is due to interconnect not working. From the first node, run the command:

```
# arping -I icbond0 xx.xx.xx.xx -c 10
```

The output is similar to the following:

```
ARPING xx.xx.xx.xx from xx.xx.xx.xx icbond0
Sent 10 probes (10 broadcast(s))
Received 0 response(s)
```

2. On both nodes, modify the `/etc/sysconfig/network-scripts/ifcfg-icbond0` file to add `arp_interval=100` to `BONDING_OPTS`. The update is as follows:

```
BONDING_OPTS="mode=active-backup miimon=100 primary=p1p1 arp_interval=100"
```

3. On both nodes, restart the network:

```
# systemctl restart network
```

4. On both nodes, restart the agent and wait for a few minutes:

```
# systemctl restart initdcagent
```

Bug Number

This issue is tracked with Oracle bug 37611921.

Error in configuring multiple standby databases on Oracle Data Guard

When configuring multiple standby databases for Oracle Data Guard on Oracle Database Appliance, an error may be encountered.

Problem Description

When you configure Oracle Data Guard for multiple standby databases, that is, two standby, the operation fails at the step `Update Data Guard status (Existing standby site)` but Oracle Data Guard is configured successfully with no issue. The command `DGMGRL> SHOW CONFIGURATION;` shows success status for all standby databases. The command `odacli list-dataguardstatus` on all sites shows correct Oracle Data Guard information.

Failure Message

The following error message is displayed:

```
DCS-10001:Internal error encountered: Unable to update dg config
```

The `dc-agent.log` shows the temporary error:

```
"Error: ORA-16532: Oracle Data Guard broker configuration does not exist."
```

Hardware Models

All Oracle Database Appliance hardware models high-availability deployments

Workaround

Ignore the error. Oracle Data Guard was actually configured successfully.

Bug Number

This issue is tracked with Oracle bug 37780488.

Error in upgrading Oracle Data Guard

When upgrading Oracle Data Guard, an error may be encountered.

Problem Description

If you configured Oracle Data Guard on a multi-user access enabled Oracle Database Appliance release 19.19 system, as odaadmin user, then this Oracle Data Guard configuration may not display when you run the `odacli list-dataguardstatus` command. If you upgrade this system to Oracle Database Appliance release 19.23 using Data Preserving Reprovisioning, then the Validate Database Service presence step in the the `create-preupgradereport` precheck may fail for the Oracle Data Guard database.

The following error message is displayed:

```
One or more pre-checks failed for [DB]
```

Command Details

```
# odacli create-preupgradereport
```

```
# odacli describe-preupgradereport
```

Task Level Failure message

```
"The following services [TDG1yn_ro, TDG1yn_rw, Y6Z_ro, Y6Z_rw] created on
database
'TDG1yn' can result in a failure in 'detach-node'
```

Hardware Models

All Oracle Database Appliance hardware models X9-2, X8-2, and X7-2

Workaround

For each service listed, do the following:

1. Stop the service reported:

```
srvctl stop service -d db_unique_name -service service_name
```

2. Remove the service:

```
srvctl remove service -d db_unique_name -service service_name
```

Bug Number

This issue is tracked with Oracle bug 36610040.

Error in creation of Oracle Key Vault TDE-enabled database

When creating an Oracle Key Vault TDE-enabled database on Oracle Database Appliance, an error may be encountered.

Problem Description

Creation of Oracle Key Vault TDE database on an Oracle Key Vault server whose version is earlier than the version of the existing Oracle Key Vault PKCS library `/opt/oracle/extapi/64/hsm/oracle/1.0.0/liborapks.so` on the system may fail.

Failure Message

```
DCS-10164:Failed to configure TDE: Failed to set TDE Master Encryption key:  
ERROR at line 1:  
ORA-28353: failed to open wallet
```

Command Details

```
# odacli create-database -n db_name -t -kt OKV -ocp  
absolute_path_to_okvclient.jar
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Remove the later version of Oracle Key Vault PKCS library `/opt/oracle/extapi/64/hsm/oracle/1.0.0/liborapks.so` and retry the operation.

Bug Number

This issue is tracked with Oracle bug 38175259.

Error in deleting a TDE-enabled database

When deleting a TDE-enabled database on Oracle Database Appliance, an error may be encountered.

Problem Description

When you delete a TDE-enabled database that uses Oracle Key Vault release 21.8 to store TDE keys, then an error message may be displayed during the OKV delete task.

Failure Message

```
DCS-10001:Internal error encountered: Failed to delete Wallet <wallet_name> :  
okv.log.0 (Permission denied)  
{  
  "result" : "Failure",  
  "message" : "Insufficient privileges on wallet"  
}.
```

Command Details

```
# odacli delete-database -n db_name
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Log into as the Oracle Key Vault administrator to the Oracle Key Vault server where the Oracle Key Vault wallet is present.
2. Navigate to the **Keys & Wallets** tab.
3. Click the edit icon for the wallet that you want to delete.
4. In the Select Endpoint/User Group section, select the Type as **Users** from the drop down list.
5. Select the user that owns the Oracle Key Vault wallet.
6. In the Select Access Level section, select **Read and Modify**, and then **Manage Wallet**.
7. Click **Save**.
8. Delete the database.

Bug Number

This issue is tracked with Oracle bug 36640379.

Error in configuring Oracle Data Guard

When configuring Oracle Data Guard on Oracle Database Appliance, an error may be encountered.

Problem Description

When you configure Oracle Data Guard on the second node of the standby system on an Oracle Database Appliance high-availability deployment, the operation may fail at step Configure Standby database (Standby site) in the task Reset Db sizing and hidden parameters for ODA best practice.

Command Details

```
odacli configure-dataguard
```

Hardware Models

All Oracle Database Appliance hardware models high-availability deployments

Workaround

Run odacli configure-dataguard on the first node of the standby system in the high-availability deployment

Bug Number

This issue is tracked with Oracle bug 33401667.

Error in cleaning up a deployment

When cleaning up a Oracle Database Appliance, an error is encountered.

During cleanup, shutdown of Clusterware fails because the NFS export service uses Oracle ACFS-based clones repository.

Hardware Models

All Oracle Database Appliance hardware models with DB systems

Workaround

Follow these steps:

1. Stop the NFS service on both nodes:

```
service nfs stop
```

2. Clean up the bare metal system. See the *Oracle Database Appliance Deployment and User's Guide* for your hardware model for the steps.

This issue is tracked with Oracle bug 33289742.

Error in display of file log path

File log paths are not displayed correctly on the console but all the logs that were generated for a job have actually logged the correct paths.

Hardware Models

All Oracle Database Appliance hardware models with virtualized platform

Workaround

None.

This issue is tracked with Oracle bug 33580574.

Error in the enable apply process after upgrading databases

When running the enable apply process after upgrading databases in an Oracle Data Guard deployment, an error is encountered.

The following error message is displayed:

```
Error: ORA-16664: unable to receive the result from a member
```

Hardware Models

All Oracle Database Appliance hardware models

Workaround

Follow these steps:

1. Restart standby database in upgrade mode:

```
srvctl stop database -d <db_unique_name>  
Run PL/SQL command: STARTUP UPGRADE;
```

2. Continue the enable apply process and wait for log apply process to refresh.
3. After some time, check the Data Guard status with the DGMGRL command:

```
SHOW CONFIGURATION;
```

This issue is tracked with Oracle bug 32864100.

Error in updating Role after Oracle Data Guard operations

When performing operations with Oracle Data Guard on Oracle Database Appliance, an error is encountered in updating the Role.

The dbRole component described in the output of the `odacli describe-database` command is not updated after Oracle Data Guard switchover, failover, and reinstate operations on Oracle Database Appliance.

Hardware Models

All Oracle Database Appliance hardware models with Oracle Data Guard configuration

Workaround

Run `odacli update-registry -n db --force/-f` to update the database metadata. After the job completes, run the `odacli describe-database` command and verify that dbRole is updated.

This issue is tracked with Oracle bug 31378202.

Inconsistency in ORAchk summary and details report page

ORAchk report summary on the Browser User Interface may show different counts of Critical, Failed, and Warning issues than the report detail page.

Hardware Models

Oracle Database Appliance hardware models bare metal deployments

Workaround

Ignore counts of Critical, Failed, and Warning issues in the ORAchk report summary on the Browser User Interface. Check the report detail page.

This issue is tracked with Oracle bug 30676674.

The odaeraser tool does not work if oakd is running in non-cluster mode

After cleaning up the deployment, the Secure Eraser tool does not work if oakd is running in non-cluster mode.

Hardware Models

All Oracle Database Appliance Hardware bare metal systems

Workaround

After cleanup of the deployment, oakd is started in the non-cluster mode, and it cannot be stopped using "odaadmcli stop oak" command. In such a case, if the Secure Erase tool is run, then the odaeraser command fails.

Use the command `odaadmcli shutdown oak` to stop oakd.

This issue is tracked with Oracle bug 28547433.