

ORACLE

Exadata Database Machine X9M

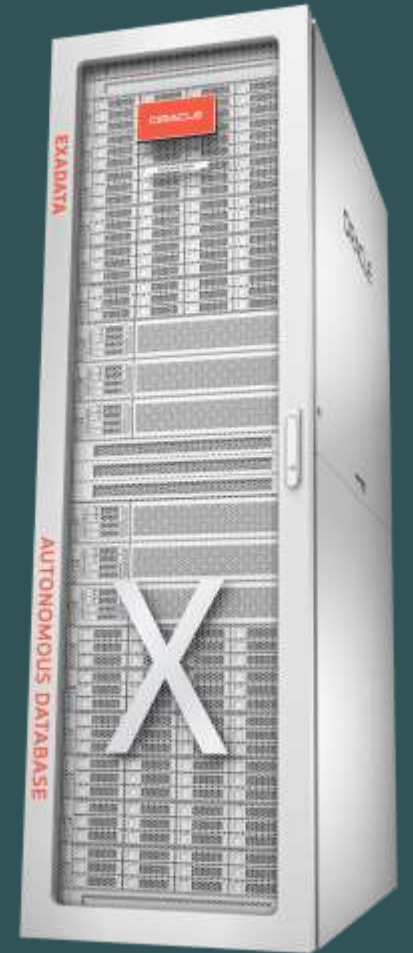
Exclusive session for Accenture Brasil – Exam 1Zo-902

Marcel Lamarca

Exadata Cloud Specialist

Oracle, Alliances and Channels LAD

December, 2023



SQL> select * from person where name = 'Marcel Lamarca'

Father, husband, Cooker and son!

Graduated in Business Administration (FMU-SP)

Oracle DBA

21 Years dedicated to study and support Oracle Databases.

12 Years working with Exadata (On-prem, C@C and Cloud Services) .

4 Year working for Oracle do Brasil

1 Year on Alliances LAD knowledge Team

Oracle Cloud Specialist (OCS)

Exadata Database Machine X9M Certified Specialist

OCI Foundation 2020 / 2023

Oracle Autonomous Database Administrator

Oracle Cloud Database Migration and Integration

OCI Cloud Certified Architect Associate 2022

OCI Cloud Certified Architect Professional 2022

OCI Multi-Cloud Architect Professional

Oracle Certified Professional (OCP)

10g, 11g, 12c and 19c.

Oracle Certified Specialist (OCE)

Grid/RAC Database Administrator 11g



SCAN ME



Agenda

1

Why Oracle Certificate?

2

How to manage your account

3

Exadata X9M Implementation Exam (1Zo-092) Tips

4

Resources





Why Oracle Certificate ?



Oracle Certification Benefits



Becoming Oracle Certified will make you a better technologist.

Preparing for an Oracle Certification Exam will assess & challenge your ability to think & perform. Earning a highly-recognized & valued Oracle Certification will improve your job prospects & job stability, accelerating your career growth.

Get Certified to Stand Out in a Crowd

Reap the Benefits of Earning an Oracle Certification

- Expand your knowledge base and validate your skills to appeal to potential employers.
- Improve your potential earning power to command a higher salary.
- Learn to perform complex, hands-on activities through lab, study and practice sessions.
- Access a secure digital badge you can add to your social media profiles.
- Gain exposure to a wide variety of important features, functions and tasks to use on the job.



Professional credibility

Professional credibility comes from training and certification combined. Learning is retained longer through the process of certification preparation.

91%

"Gives me more professional credibility with those I interact with on the job."

89%

"Makes me more valuable to my employer."

84%

"Helps me retain acquired knowledge over a longer period"



Value of Expertise to Customers



PROFICIENCY

- ✓ A system of preference that reflects the capabilities and competencies of the partner
- ✓ Customers can select the right partner by solution, product and geography



QUALITY

- ✓ A consistent set of qualifiers that meet the Oracle standard for partners to attain
- ✓ Reflects partners achievements and relevance through qualification



OUTCOMES

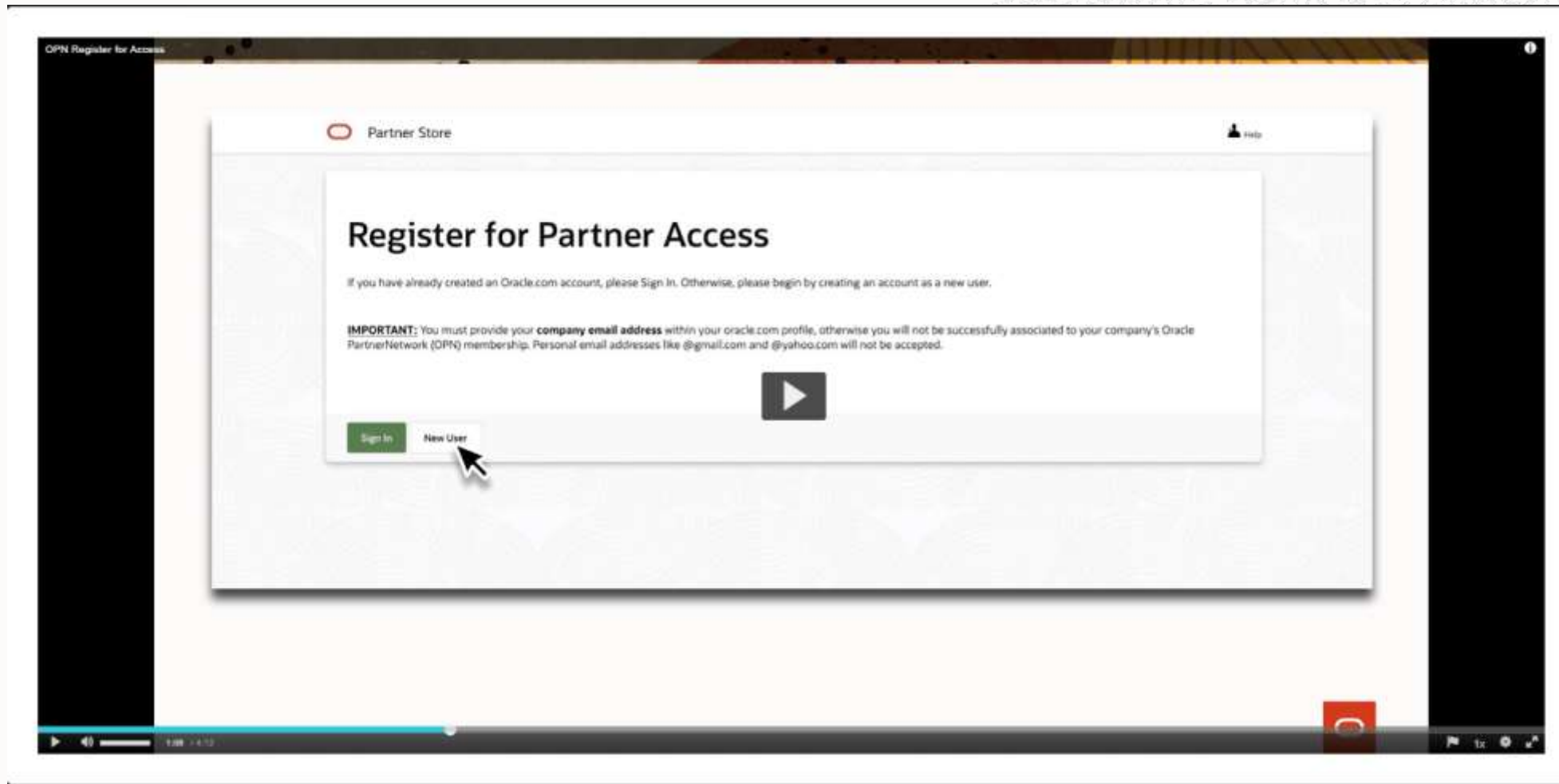
- ✓ Proven and repeatable track record of customer successes
- ✓ Value realization based on know-how and experience



How to manage your account



Registering For Access To Partner Resources



Video: [Things to know before you register](#)

Update Your Account

How do I update my Username for my Oracle account and CertView?

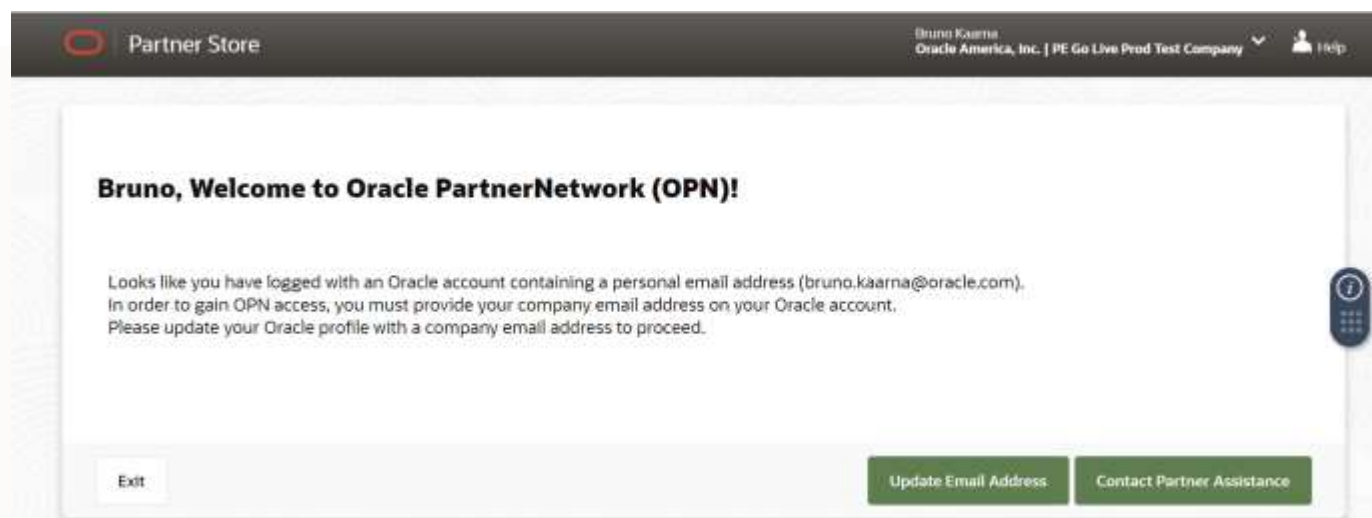
Your Oracle Account login is also your CertView login, so it is very important to keep this information updated in your Oracle Account. If your email address (which is typically the username for your Oracle Account) changes, you can update your username in your Oracle Profile.

- After updating your email address, you will need to submit a Support Request (SR) to [Oracle Certification Support](#) requesting to have your CertView account updated with your new username
- The first time you log in to CertView after the support team has updated your CertView account using your updated email address/username, you will need to authenticate your account with the new details. You will be prompted to do so
- Do not create a new Oracle Account. Rather, you should update your existing account. If you have any questions, you can contact [Oracle Certification Support](#)

[Update email here](#)

[Manage certification here](#)

Problems?: [OU SUPPORT](#)



Certview - Merge



CertView is your self-service tool for Oracle Certification. In CertView, you can do the following:

- Creation and management of your Oracle Certification Profile.
- Merging Accounts
- Name Change
- Scheduling, re-scheduling and cancelling exam appointments
- Updating OPN Company Details
- Completing your Course Submission Forms

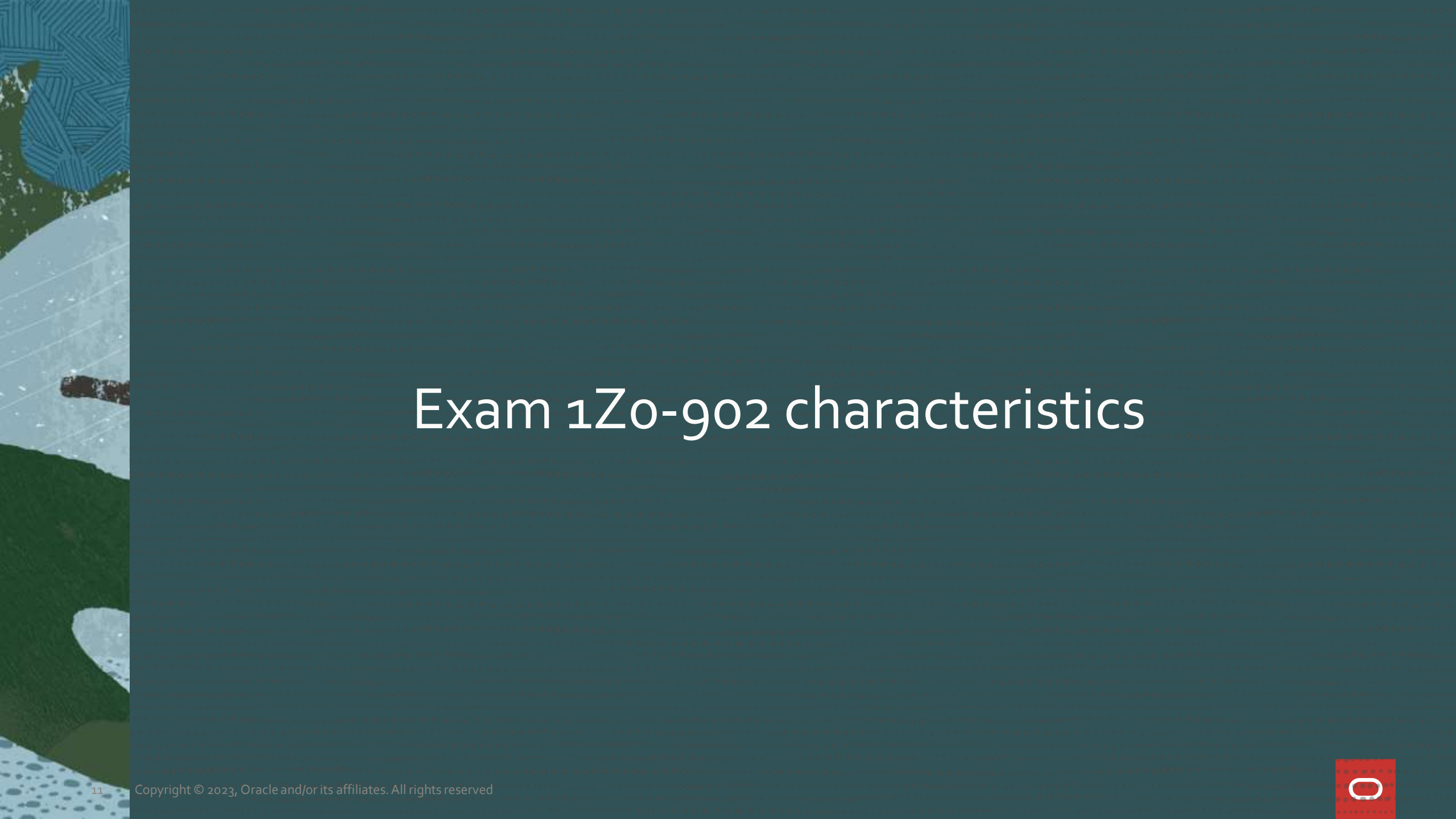
Note: You will no longer sign into Pearson VUE for any Oracle Certification activity.

Instructions to Merge Two Testing IDs

Carefully review these guidelines prior to submitting your request:

- Identify which Testing ID should 'survive' and which Testing ID should be 'merged'.
 - All exam and certification records will appear under the surviving Testing ID.
- Requests must be submitted while logged in to the account associated with the surviving Testing ID.
- Do not request for a Merge if you have a scheduled exam appointment using the merged Testing ID in the next 24 hours. You may request the Merge 24 hours after the exam has been taken.
- Only two Oracle Testing IDs can be Merged per request.
- Only one Merge/Name Change request may be open at a time.

Problems?: [OU SUPPORT](#)



Exam 1 Zo-902 characteristics



Exam 1Z0-902: Oracle Exadata Database Machine X9M Implementation Essentials



SCAN ME

- Number of Questions **60**
- Format **Multiple Choice**
- Duration **90 minutes**
- Passing Score **64%**
- Oracle **RAC** and **GRID** administration knowledge required

Skills :

- Oracle Exadata Database Machine
- Exadata Implementation
- Oracle Exadata Configuration Assistant
- Automatic Service Request
- ILOM





Datacenter and Site Requirements



Exadata Database Machine Installation and configuration Guide



- Understanding Oracle Exadata Deployment Assistant
- Site Requirements for Oracle Exadata Database Machine
- Network Requirements for Oracle Exadata Database Machine



An aerial photograph of a tropical beach. In the top left corner, there is a blue beach umbrella with a white geometric pattern. A white towel is laid out on the sand in the middle left. The beach is bordered by green vegetation and a blue body of water in the bottom left corner.

Exadata X9M Hardware and Features



Exadata X9M-2 Database Machine Database Node



Memory

- **512 GB** (factory option)
- **1024 GB** (factory option and field upgrade)
- **1536 GB** (field upgrade from 512 GB only)
- **2048 GB** (factory option and field upgrade, max)

CPU's

- 2 x 32-core Intel® Xeon® 8358 processors (2.6 GHz)

Network

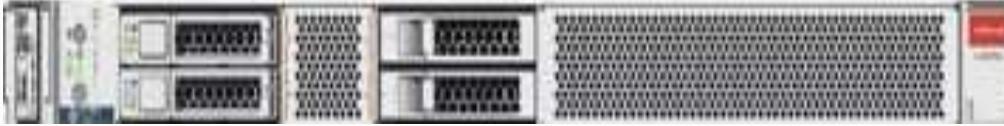
- Client/backup adapter **1**: **4 x 10 Gb copper** Ethernet ports
or **2 x 10/25 Gb optical** Ethernet ports
- Client/backup adapter **2 (optional)**: **4 x 10 Gb copper** Ethernet ports
or **2 x 10/25 Gb optical** Ethernet ports
- Client/backup adapter **2 (optional)**: **4 x 10 Gb copper** Ethernet ports
or **2 x 10/25 Gb optical** Ethernet ports
- **1 x 1 Gb copper** Ethernet port (mgmt)
- **2 x 100 Gb QSFP28 RoCE** Fabric ports

Local Disk's

- **2 x 3.84 TB NVMe Flash SSD** (hot swappable)
- Upgradeable to **4 x 3.84 TB** (Optional)

Exadata Database Machine Software Components

Database Node



- Oracle KVM Guest
- Oracle Enterprise Manager Agent
- ASM instance
- RDBMS instance
- Automatic Diagnostic Repository Command Interpreter (ADRCI) **both**
- Diskmon
- Restart Server (RS) **both**
- Management Server (MS) **Both**

Storage Nodes



- Cellcli
- Cell Server(CELLSRV)
- Automatic Diagnostic Repository Command Interpreter (ADRCI) **Both**
- Restart Server (RS) **Both**
- Management Server (MS) **both**

Exadata X9m Persistent Memory Commit Accelerator

- Persistent Memory Commit Accelerator reduces redo log write latency by using Persistent Memory and RDMA before flushing to Flash then disk.



- Log writes are directed to disk and Exadata Smart Flash Log
- Processing continues after acknowledgment
- Exadata Storage Server automatically manages Smart Flash Log and ensures all log entries are persistent to disk



Exadata Troubleshooting Tools



Autonomous Health Framework (AHF) - Including TFA and ORAchk/EXAchk ([Doc ID 2550798.1](#))

START HERE

INSTALLATION

WHAT'S INCLUDED

WHAT'S NEW

USER GUIDE


FAQ

SUPPORT

Autonomous Health Framework (AHF)


The Diagnostic Framework Every Good DBA Needs

Proactively check if your system drifts from best practice configuration and how to fix it again with automatic health checks



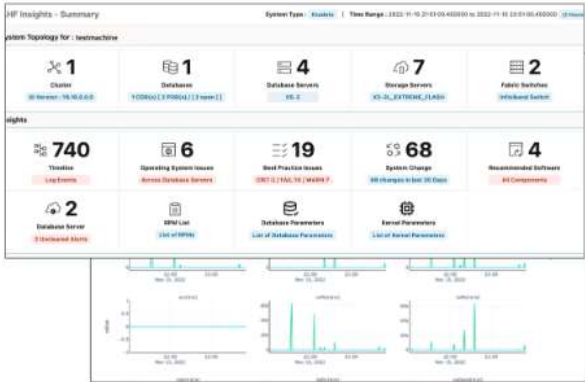
\$ ahfctl compliance

Get notified as problems occur, or run on-demand to collect everything Oracle Support needs to help you resolve problems



\$ tfactl diagcollect

Get a bird's eye view of your entire system, spot problems, drill into the root cause and understand how to resolve

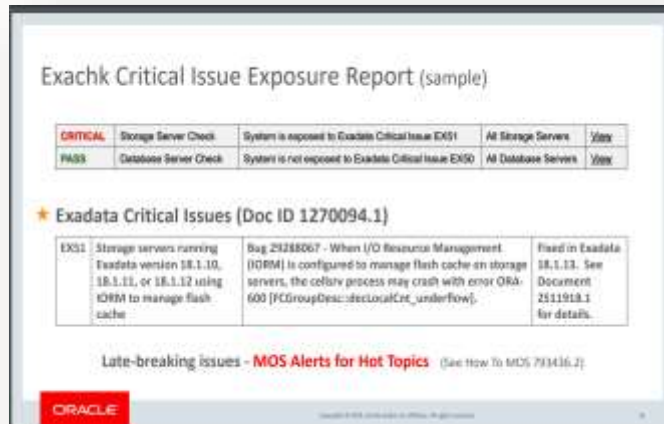


\$ ahf analysis create --type insights

20 Copyright © 2023, Oracle and/or its affiliates. All rights reserved

Exachk evaluates Exadata Database Machine engineered systems

- Firmware
- Operating System (e.g. Oracle Linux)
- Exadata software / Grid Infrastructure and ASM / Database
- MAA Configuration Review / Exadata Software Planner
- Exadata Critical Issue alerts / Critical Issue Avoidance
- Prereq checks for DB and GI software updates



- **Oracle Exadata Database Machine Exachk** (Doc ID [1070954.1](#))

PURPOSE

This document describes how to obtain, install, execute, and update Exachk for Oracle Exadata Database Machine based implementations. It also describes common use cases and best practices to ensure that your Exadata deployment and configurations remain compliant with Exadata Maximum Availability Architecture (MAA) best practices.

SCOPE

This document applies to all Oracle Exadata Database Machine based Implementations:

- Exadata Cloud at Customer, Exadata Cloud Service, and Autonomous Database Services
- Exadata On-Premises
 - Bare Metal
 - Virtual Machines

DETAILS

Exachk Overview

Exachk holistically evaluates Exadata Database Machine engineered systems.

It includes:

- Configuration checks for Database Servers, Storage Servers, and Network Fabric Switches:
 - Firmware
 - Operating System (e.g. Oracle Linux)
 - Exadata software
 - Grid Infrastructure and ASM
 - Database
- MAA Scorecard:
 - MAA Configuration Review
 - Exadata Software Planner
 - Exadata Critical Issue alerts
- Automatic Correction (when applicable):
 - Configuration Correction
 - Critical Issue Avoidance
- Prerequisite checks for DB and GI software updates
- Prerequisite checks for DB and GI upgrades
- Prerequisite checks for application continuity readiness



- **ExaWatcher Utility On Exadata Compute and Storage Nodes (Doc ID [1617454.1](#))**

APPLIES TO:

Oracle Exadata Storage Server Software - Version 11.2.3.3.0 and later
Information in this document applies to any platform.

PURPOSE

This document describes a newly designed system data collection and diagnostic tool called ExaWatcher. ExaWatcher replaces OSWatcher in Exadata engineered systems.

DETAILS

LOCATION

ExaWatcher resides on both the Exadata compute nodes and storage cell servers. It can be found in `/opt/oracle.ExaWatcher`.

MANAGEMENT

The ExaWatcher utility is started automatically during boot time. If you need to manually stop and start ExaWatcher you can do the following:

For 11.x, 12.x and 18.x Exadata Images

To stop ExaWatcher:

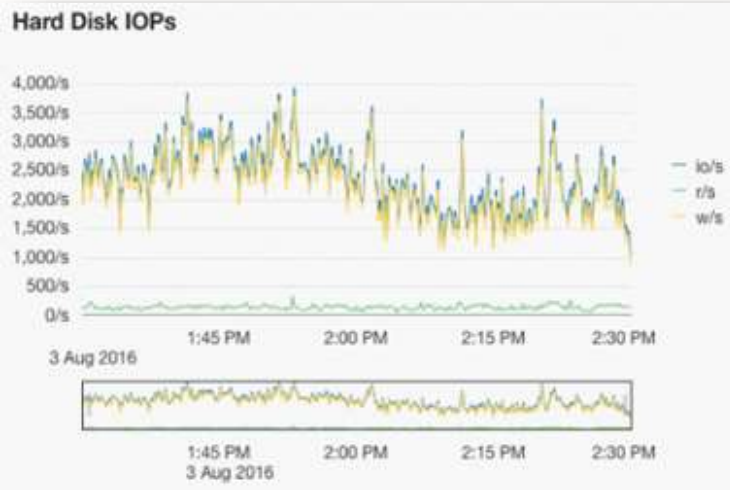
```
# ./StopExaWatcher.sh
```

To start ExaWatcher:

```
# /opt/oracle.cellos/vldrun -script oswatcher
```



What Exadata Cloud at Customer ExaWatcher tool does ?



- **CPU Charts**

The CPU charts show CPU utilization for the server. These statistics are from iostat (avg-cpu: %user, %system, %iowait).

- **IO Charts**

IO charts show IO performance for an entire server or for individual disks in the storage server.

- **Memory Charts**

Shows Oracle Linux memory consumption during report range data requested





Oracle RAC and Grid Database 19c



Oracle RAC 19c, ASM and Grid Administrator Workshop



19c: Clusterware Admin

Oracle Database 19c: Clusterware Administration Workshop

Course Lab

12h 18m

0%



19c: ASM Admin

Oracle Database 19c: ASM Administration Workshop

Course Lab

8h 7m

0%



19c: RAC Admin

Oracle Database 19c: RAC Administration Workshop

Course Lab

20h 11m

0%



Oracle Database 19c Administration



SCAN ME

19c: Fundamentals for Devs and SysAdmins

Oracle Database 19c: Fundamentals for Devs and SysAdmins

Course

Lab

7h 35m

0%

Add to Favorite



19c: Administration

Oracle Database 19c: Administration Workshop

Course

Lab

24h 39m

0%



19c: Multitenancy

Oracle Database 19c: Multitenant Architecture

Course

Lab

17h 0m

2%





Exadata Database Machine Pathing

- **Exadata Database and Exadata Storage Server Supported Versions (Doc ID 888828.1)**

Oracle Database

The following table lists the Exadata Storage Server software versions that are compatible with each supported Oracle Database software version.

Oracle Database Software version	Required Exadata System Software version (with corresponding switch version) For additional GI/DB Release Update or interim patch requirements, review the Exadata release-specific Supplemental README and the version tables shown below.
21c Innovation Release	Supported: Exadata 21.2.0.0.0 or higher Database 21c requires storage server and database server Exadata version to be 21.2.0.0.0 or higher, and fabric switch version to be that which is supplied with Exadata 21.2.0.0.0 or higher. It is not supported to use lower versions on storage servers, database servers, or fabric switches.[This section is not visible to customers.]
19c Long Term Release	Supported: Exadata 19.1.2.0.0 or higher Database 19c requires storage server and database server Exadata version to be 19.1.2.0.0 or higher, and InfiniBand switch version to be 2.2.11-2 or higher (that which is supplied with Exadata 19.1.2.0.0). It is not supported to use lower versions on storage servers, database servers, or InfiniBand switches.[This section is not visible to customers.]
18c Release (18.0.0.0.0)	Supported: Exadata 18.1.4.0.0 or higher Database 18c requires storage server and database server Exadata version to be 18.1.4.0.0 or higher, and InfiniBand switch version to be 2.2.7-1 or higher (that which is supplied with Exadata 18.1.4.0.0). It is not supported to use lower versions on storage servers, database servers, or InfiniBand switches.[This section is not visible to customers.]



- Exadata Critical Issues (Doc ID1270094.1)

#	Applies to	Issue	Fix or Workaround	Date
IB9	Sun Datacenter InfiniBand Switch 36 software 2.2.15-1 and lower	Bug 30303098 - Excessive network traffic on the management network, such as that caused by a broadcast storm, can lead to simultaneous reset of all InfiniBand switches, causing an InfiniBand network outage and/or database node evictions.	Fixed in 2.2.16. See Document 2773989.1 for details. Review issue DB49 before updating InfiniBand Switch software.	2021-May-04
IB8	Sun Datacenter InfiniBand Switch 36 software 2.2.6, 2.2.7, and 2.2.8 with network partitioning configured.	Bug 27611791 - When InfiniBand network partitioning is in use and the Primary subnet manager (SM) receives a constant flood of P_Key violation traps, the current partition policy may be reset to the default partition policy, which causes connection failure amongst servers communicating in the non-default partition(s). This can lead to dismounted ASM disk groups and node evictions.	Fixed in 2.2.9. See Document 2413649.1 for details. Review issue EX38 below for additional detail.	2018-Jun-29
IB7	Sun Datacenter InfiniBand Switch 36 software 2.1.5 and earlier.	Bug 17482244 - If the Primary subnet manager (SM) on an InfiniBand switch becomes overloaded one of the standby SMs will become a second Primary SM. After the original Primary SM becomes active again and the switches negotiate to return back to having a single Primary SM, some database servers and/or storage servers may no longer be able to communicate on the InfiniBand network, which can lead to node eviction or cluster outage.	Fixed in 2.1.6. See Document 2400204.1 for details.	2018-Jun-14
IB6	Sun Datacenter InfiniBand Switch 36 software 2.1.x through 2.2.7.	Bug 26678971 - The real time clock (RTC) on an InfiniBand switch may become corrupt, which may cause the switch to become unbootable when attempting to upgrade.	Fixed in 2.2.8. See Document 2309926.1 for details.	2017-Sep-27
IB5	Sun Datacenter InfiniBand Switch 36 software 2.1.8 and earlier	Bug 23528420 - InfiniBand switches may experience high CPU utilization after receiving a malformed POST request via HTTP or HTTPS, which may result in subnet manager unable to get CPU to respond to network management duties, which can lead to database server or storage server eviction. Such requests are often initiated by a security scan tool.	Fixed in 2.2.2. See Document 2169026.1 for details.	2016-Aug-11
IB4	Sun Datacenter InfiniBand Switch 36 software 2.1.3-4 (supplied with Exadata 11.2.3.3.0) when connected to Exalogic Virtual environment over the InfiniBand network.	Bug 17936962 - Invalid pkey values in partition definitions in Exalogic Virtual environments prevents add or delete members of a partition. Note: From Exadata perspective, this issue <u>only</u> applies when an Exalogic Virtual environment is connected to Exadata via the InfiniBand network.	Apply April PSU to Exalogic prior to Exadata InfiniBand switch upgrade to 2.1.3-4. Review Document 1301247.1 for additional details about Exalogic April PSU. Prior to Exalogic April PSU availability, the recommendation was to apply patch 18034691. Details are available in Document 1630396.1 . Note that patch 18034691 is not compatible with patch 18175326, which may be applied to address guest vServers connectivity issues (see Document 1615444.1). Both issues are fixed in Exalogic April PSU.[This section is not visible to customers.]	2013-Dec-16



Resources

- **Exadata Database Machine X9M**

<https://www.oracle.com/a/ocom/docs/engineered-systems/exadata/exadata-x9m-2-ds.pdf>

- **Exadata Database Machine Documentation**

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine>

- **Oracle Architecture Center Site**

<https://docs.oracle.com/solutions>

- **Oracle Live Labs**

<https://apexapps.oracle.com/pls/apex/r/dbpm/livelabs/home>

- **Oracle Luna Labs**

<https://luna.oracle.com>

- **Ask Tom Official Site**

<https://asktom.oracle.com>



- **Oracle RAC 19c Administrator Guide**

<https://docs.oracle.com/en/database/oracle/oracle-database/19/racad/real-application-clusters-administration-and-deployment-guide.pdf>

- **Oracle RAC 19c Workshop Oracle University**

<https://mylearn.oracle.com/ou/course/oracle-database-19c-rac-administration-workshop/108002>

- **Oracle Database 19C Administrator Professional Workshop University**

<https://mylearn.oracle.com/ou/learning-path/earn-the-oracle-database-19c-admin-professional-credential/80836>

- **Exadata Database Machine X9M Datasheet**

<https://www.oracle.com/a/ocom/docs/engineered-systems/exadata/exadata-x9m-2-ds.pdf>

- **Persistent Memory Magic in Exadata Blog**

<https://blogs.oracle.com/exadata/post/persistent-memory-magic-in-exadata>

- **Oracle Advanced Support Gateway Instalation Guide**

<https://docs.oracle.com/en/engineered-systems/advanced-support-gateway/install/E4o642.pdf>

- **Exadata Database Machine Maintenance Guide**

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmmn/maintaining-exadata-components.html#GUID-91B78D98-96CA-43AC-B175-BF9D6CEC1Co7>

- **Exadata Database Machine Maintenance Guide**

<https://docs.oracle.com/en/servers/x86/x9-2/exa-database/servicing-dimms.html#GUID-F4CC2572-D4BD-49DC-956D-D7B89A5376E5>

- **Exadata Database Machine User Guide**

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/sagug/index.html#Oracle%C2%AE-Exadata-System-Software>

- **Exadata Database Machine User Guide**

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/sagug/index.html#Oracle%C2%AE-Exadata-System-Software>




- Using AWR report on Exadata

<https://www.oracle.com/docs/tech/database/exadata-awr.pdf>





Oracle Live Labs

 LiveLabs


Search Workshops and Sprints...


Event Code


Welcome to LiveLabs


Oracle LiveLabs gives you access to Oracle's tools and technologies to run a wide variety of labs and workshops.


Experience Oracle's best technology, live!


Developer


DBA


Data Scientist


DevOps


Low Code Developer


Featured Workshops

View All Workshops

ORACLE
Developer Resource Center

Dive into more **developer content** and **resources**

Explore Developer Resources





Oracle Luna Labs



What do you want to learn today?

Try searching for Compute

IaaS

Introducing Kubectl with Oracle Cloud...

Learn the basics of using kubectl with Oracle Cloud Native Environment. Having an issue with the lab? Have an idea on how it could be made better? Want to tell us how awesome the lab is? Click the icon below...

🕒 Time Limit
45 minutes

Linux OS and Virtualization Engineering

IaaS

Get Started with Oracle Database Free...

Learn to install the Oracle Database Free on Oracle Linux. Having an issue with the lab? Have an idea on how it could be made better? Want to tell us how awesome the lab is? Click the icon below...

🕒 Time Limit
45 minutes

Linux OS and Virtualization Engineering

IaaS

Upgrade to Oracle Cloud Native...

Learn how to upgrade to Oracle Cloud Native Environment 1.6. Having an issue with the lab? Have an idea on how it could be made better? Want to tell us how awesome the lab is? Click the icon below...

🕒 Time Limit
1 hour

Linux OS and Virtualization Engineering

IaaS

Manage KVM Virtual Machines using...

Learn how to use the libvirt community collection to manage KVM virtual machines with Oracle Linux Automation Manager. Having an issue with the lab? Have an idea on how it could be made...

🕒 Time Limit
1 hour, 45 minutes

Linux OS and Virtualization Engineering



Ask Tom Oracle Site



Search Questions...

Sign In

Questions

Office Hours

Videos

Resources

Classes

Office Hours

Free training, how-tos and Q&A with Oracle experts. [FAQ](#).

Search

☒ Technology

☐ APEX (9)

☐ Database Administration (6)

☐ In-Memory (5)

☐ SQL (5)

☐ .NET and Visual Studio (3)

Show All

Upcoming Sessions: 44

Reset

View Recordings

Forms, Tipuri de rapoarte și metode de căutare într-un raport
Iunie 12 14:00

Oracle Database In-Memory Summit 2023 Session 1
June 13 15:00

Recently Answered

Ask a Question

All Questions >

JSON_QUERY for varchar2 limitation
It seems that the json_query from the input are always accepting varchar2 with 4000 character limitation, As soon as the json length is 4000 it shows null from the query. I tried casting as per documentation to clob but it still have same issue. As we add only one record in json ...

dbms_lock.sleep procedure
Any comment on this weird behaviour :- SQL> exec dbms_lock.sleep(3500); PL/SQL procedure successfully completed. Elapsed: 00:08:14.18 SQL> exec dbms_lock.sleep(1000); PL/SQL procedure successfully completed. Elapsed: 00:03:48.71 SQL> exec dbms_lock.sleep(600); PL/SQL procedure su



Oracle Architecture Center



SCAN ME

Oracle Architecture Center

Design, develop, and implement your cloud, hybrid, and on-premises workloads with guidance from Oracle architects, developers, and other experts versed in Oracle technologies and solutions.

Contact a Cloud Expert

Try our free hands-on labs and

Apply filters ▸

All 556 Reference Architecture

Customer-inspired Automation Available

Learn more about Oracle Architecture Center content:

- Reference Architectures
- Solution Playbooks
- Built & Deployed

Learn more

Deploy a containerized Jenkins CI/CD pipeline by using Terraform on Oracle Cloud Infrastructure

Understand the architecture underlying the successful deployment of a dockerized Jenkins...

Automation Available

Tharseo IT: Migrate Ellucian Banner ERP to Oracle Cloud using FastConnect and Rackware

Built & Deployed



Certview - Merge



CertView is your self-service tool for Oracle Certification. In CertView, you can do the following:

- Creation and management of your Oracle Certification Profile.
- Merging Accounts
- Name Change
- Scheduling, re-scheduling and cancelling exam appointments
- Updating OPN Company Details
- Completing your Course Submission Forms

Note: You will no longer sign into Pearson VUE for any Oracle Certification activity.

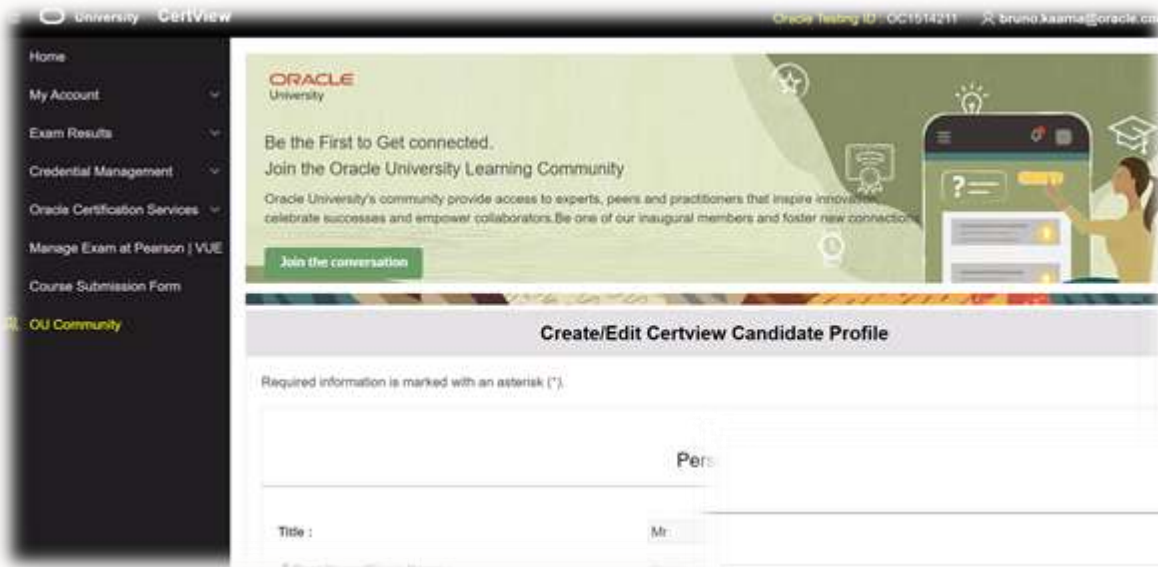
Instructions to Merge Two Testing IDs

Carefully review these guidelines prior to submitting your request:

- Identify which Testing ID should 'survive' and which Testing ID should be 'merged'.
 - All exam and certification records will appear under the surviving Testing ID.
- Requests must be submitted while logged in to the account associated with the surviving Testing ID.
- Do not request for a Merge if you have a scheduled exam appointment using the merged Testing ID in the next 24 hours. You may request the Merge 24 hours after the exam has been taken.
- Only two Oracle Testing IDs can be Merged per request.
- Only one Merge/Name Change request may be open at a time.

Problems?: [OU SUPPORT](#)

Certview - Profile



You can update your contact information in CertView:

- Sign in to **CertView**
- Click on **"My Account"**, go to **My profile**
- Edit the profile details
- Click **"Update Profile"**
- Click on **"Save and continue"**

Additional Details

Is your employer a member of the Oracle Partner Network (OPN)?

☐ No ☐ Yes

* OPN Company ID :

* Company Name :

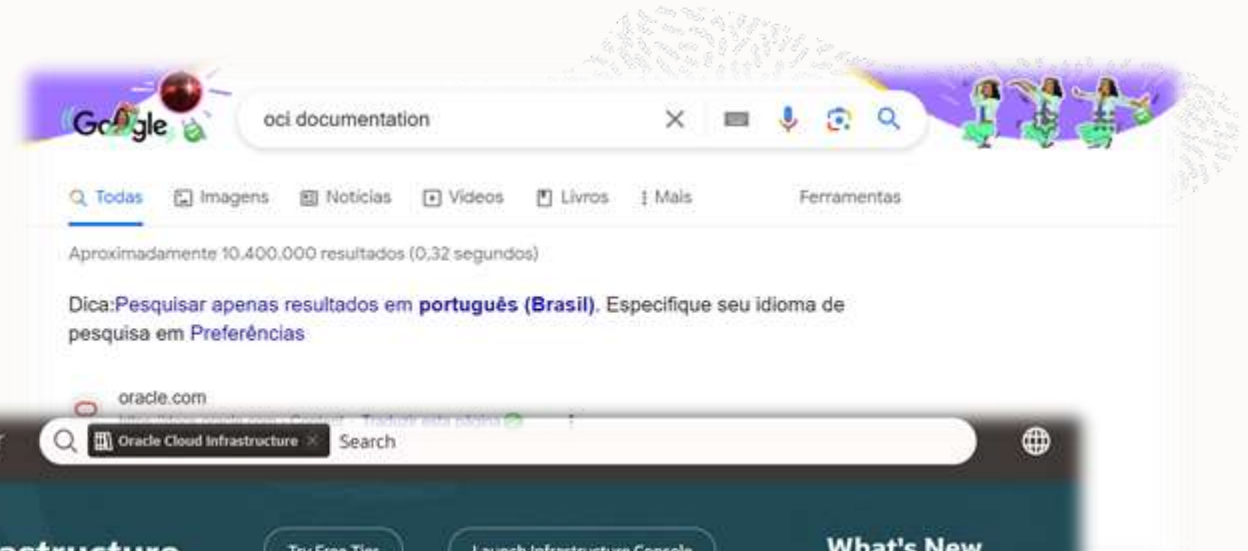
* Company Email Address :

Problems?: [OU SUPPORT](#)




OCI Documentation

- No required SSO enabled
- Free
- Search by Keywords




How do I get started?

Learn




[Learn about Oracle Cloud basics](#)
[Get to know the Console](#)
[Find developer tools and resources](#)

Create



[Launch an instance](#)
[Build a load balancer](#)
[Put data into object storage](#)
[Get started with the CLI](#)

Explore



[A data scientist's guide](#)
[A DevOps engineer's guide](#)

Oracle Cloud Infrastructure Documentation

[Try Free Tier](#) [Launch Infrastructure Console](#)

Start

Get started quickly with key concepts and tutorials

Develop

Develop applications with APIs, SDKs, CLI, Cloud Shell, and tutorials

Design

Design with reference architectures and solution playbooks

Secure

Run mission-critical workloads with unmatched security and assurance

What's New

[Change Email From Field before Saving Notifications Template](#)
Jun. 7, 2023

[Templates for Console Dashboards](#)
Jun. 6, 2023

[NoSQL Database Cloud : New features](#)
Jun. 6, 2023

[Customer feedback in the US Government Cloud with FedRAMP Authorization](#)
Jun. 2, 2023

[View release notes...](#)
[View service changes...](#)
[View known issues...](#)



Thank you

Marcel Lamarca

marcel.lamarca@oracle.com



ORACLE