ORACLE

Oracle Database Appliance

Enabling the information age

Alexandre Fagundes

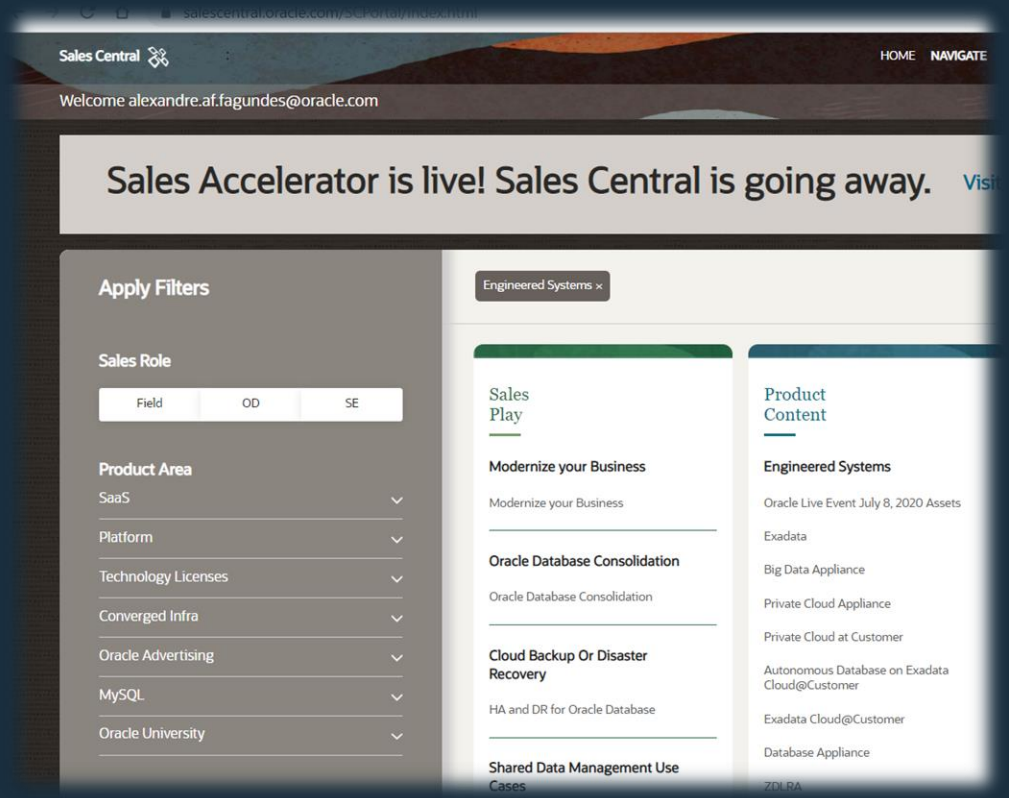
Marcel Lamarca

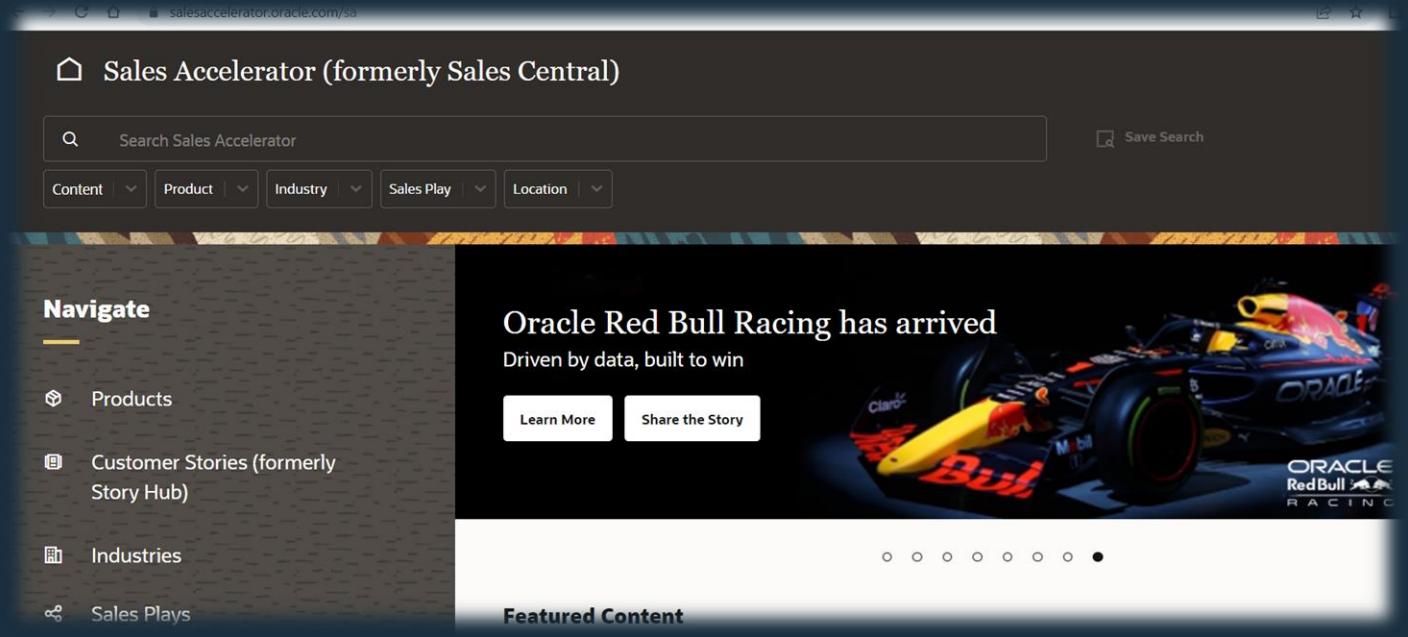
LAD Partner Enablement

Copyright © 2022 Oracle and/or its affiliates. | Oracle Confidential - Internal

SALES PLAYS

salesaccelerator.oracle.com





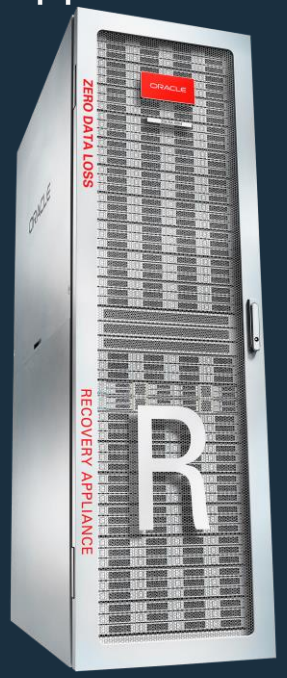
Cloud Systems Key Messages

Copyright © 2022 Oracle and/or its affiliates.

Oracle Cloud Systems Portfolio (x86)

ZFS Storage Appliance

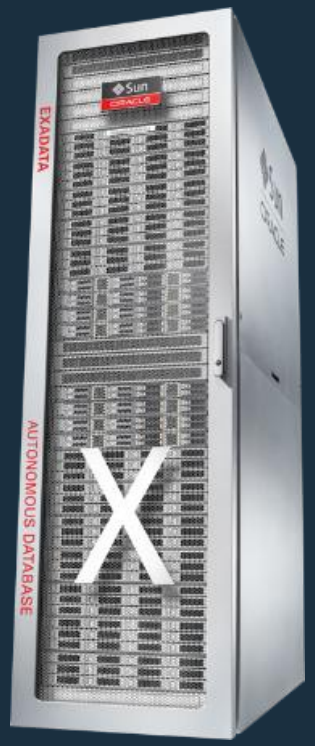
Zero Data Loss Recovery Appliance



Data Protection

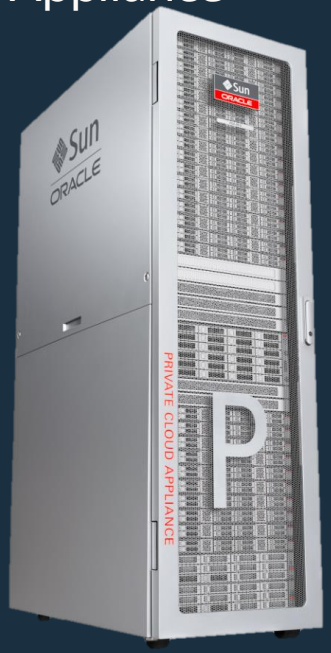
Oracle Database Appliance

Exadata



Database

Private Cloud Appliance



Middleware / Apps

ORACLE

Oracle Database Appliance

Pre-configured, balanced set of hardware, software, service and support

Copyright © 2022 Oracle and/or its affiliates.

Optimized infrastructure enabling optimized results

ODA X9-2 is a complete package of software, servers and storage

Simple	Optimized	Affordable
Ease of deployment, management and support	Run your database and applications on a purpose-built appliance	Better control over capital expenditures and operating costs

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Oracle Database Appliance

The Simplest and Most Affordable Solution for Oracle Applications and Database

- Less costs than any DIY alternatives
- Ease to deploy
- All layers protection
- Drastically risk reduction

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Oracle Database Appliance

The ODA X9-2 provides appliance-like ease of use for installation and management

Main Components

System Software - Includes the Operating System (OS) and Management Software for each server node

Server Node - Handles all processing required

Storage Shelves Oracle Storage Drive Enclosure DE3-24C

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Installed/ Pre-installed Software

Oracle Linux (installed on the Compute Nodes)
Oracle Appliance Manager (Pre-installed)

Required Software Licensing:

Oracle Database Enterprise Edition
Oracle Database Standard Edition 2

Oracle Appliance Manager provides one-button automation for provisioning, storage management, patching, and diagnostics of the Oracle database stack.

All supported software packages for the Oracle Database Appliance require the installation and licensing of Oracle Database as a pre-requisite.

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Compute & Storage

3 versions:

Small
Large
High Availability HA

The “Small and Large” versions consist of a single server node that acts as both the storage server and the compute node.

The Oracle Database Appliance X9-2-HA is made up of (2) clustered server nodes and up to (2) Storage Expansion Shelves.

Intel® Xeon® Silver 4314 processor, 16-core, 2.4GHz

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Oracle Database Appliance Product Family X9

Meets a wide range of workloads and availability requirements

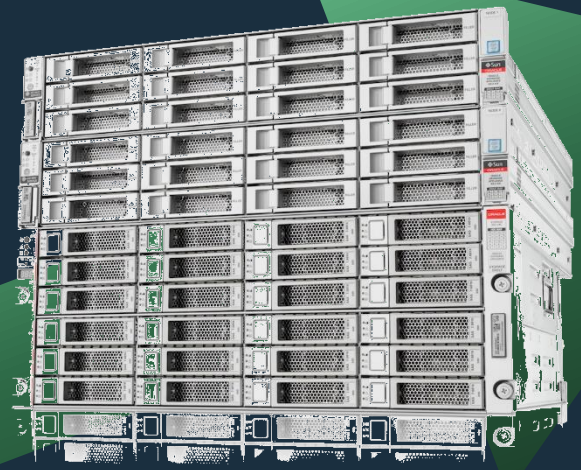
Performance High

Oracle Database Appliance X9-S2

- Single instance
- 16 cores
- 256 GB memory, up to 512 GB
- Up-to 3 network cards
- Storage 16. 6 data TB (raw)

Oracle Database Appliance X9-L2

- Single Instance
- 32 cores
- 512 GB memory, up to 1 TB
- Optionnal : 2TB Pmen
- Up-to 3 network cards
- Storage12.8 TB, up to 81.6 TB (raw)



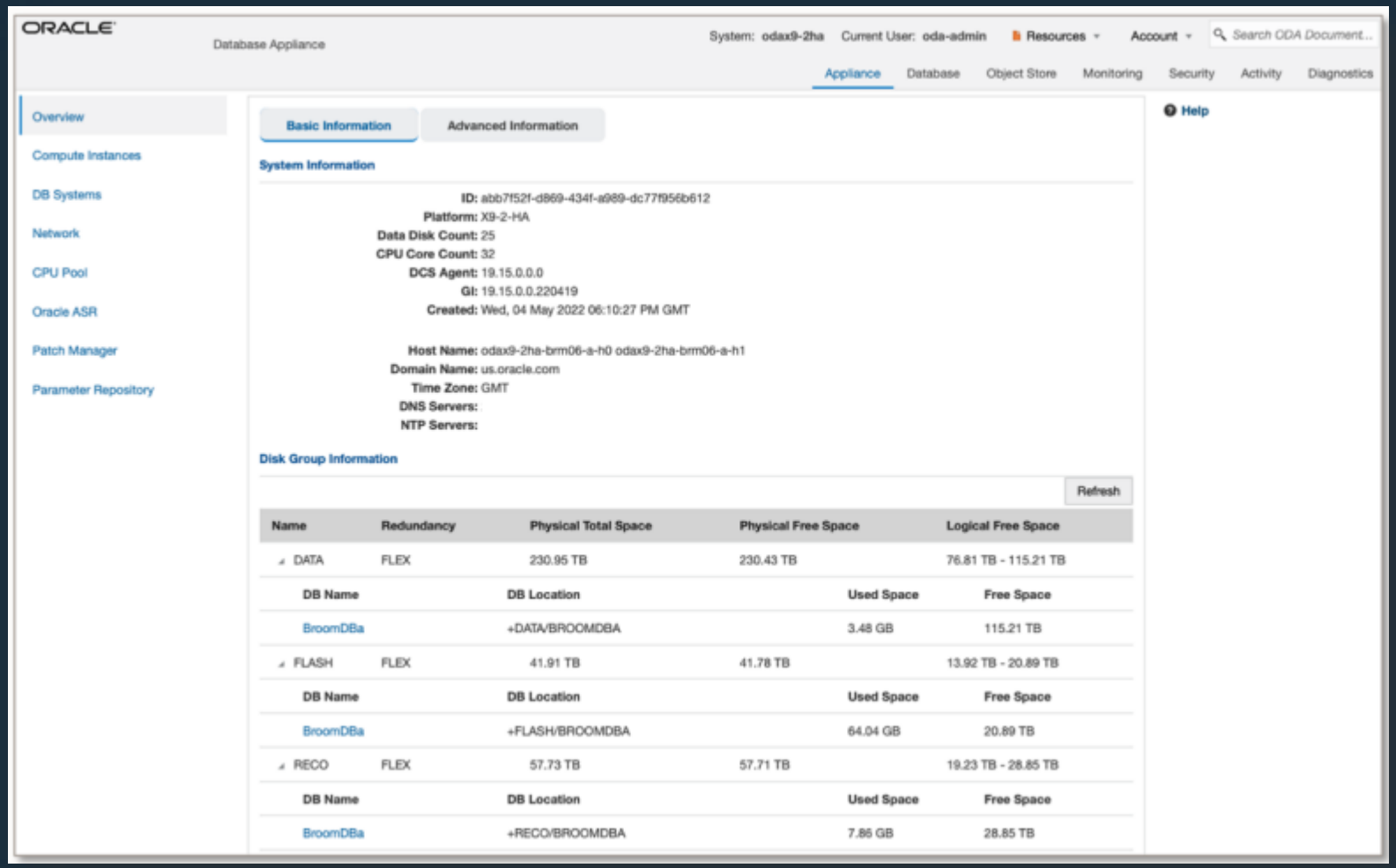
Oracle Database Appliance X9-2-HA

- Single Instance or RAC
- 64 cores
- 1 TB memory, up to 2 TB
- Up-to 3 network cards
- 46 TB storage SSD, up to 369 TB SSD or
- Up-to 92 TB SSD/504 TB HDD (raw)

Capacity HIgh

Copyright © 2022, Oracle and/or its affiliates. All rights reserved.

Managing ODA Through Browser



Oracle Confidential – Internal

Managing ODA Databases through odacli

- odacli list-agentconfig-parameters
- odacli update-agentconfig-parameters
- odacli restore-archivelog
- odacli create-auto-logclean-policy
- odacli delete-auto-logclean-policy
- odacli list-auto-logclean-policy
- odacli list-availablepatches
- odacli create-backup
- odacli delete-backup
- odacli create-backupconfig
- odacli delete-backupconfig
- odacli describe-backupconfig
- odacli list-backupconfigs
- odacli update-backupconfig
- odacli describe-backupreport
- odacli describe-component
- odacli set-credential
- odacli create-database
- odacli update-schedule
- odacli register-database
- odacli configure-dataguard
- odacli deconfigure-dataguard
- odacli failover-dataguard
- odacli reinstate-dataguard
- odacli switchover-dataguard
- odacli describe-dataguardstatus
- odacli list-dataguardstatus
- odacli create-dbhome
- odacli delete-dbhome
- odacli describe-dbhome
- odacli list-dbhomes
- odacli create-dbstorage
- odacli delete-dbstorage
- odacli describe-dbstorage
- odacli list-dbstorages
- odacli describe-job
- odacli list-jobs
- odacli create-jobdata-retention-policy
- odacli restore-tdewallet
- odacli describe-network
- odacli list-networks
- odacli describe-networkinterface
- odacli list-networkinterfaces
- odacli list-nodes
- odacli create-objectstoreswift
- odacli delete-objectstoreswift
- odacli describe-objectstoreswift
- odacli list-objectstoreswifts
- odacli update-objectstoreswift
- odacli update-osconfigurations
- odacli list-pendingjobs
- odacli create-prepatchreport
- odacli describe-prepatchreport
- odacli list-prepatchreports
- odacli create-purge-jobdata-job
- odacli list-purge-jobdata-jobs
- odacli describe-schedule
- odacli list-schedules

Oracle Confidential – Internal

Oracle Data Guard on Oracle Database Appliance

Oracle Database Appliance provides client interface through ODACLI commands for easy configuration and management of Oracle Data Guard for high availability, data protection, and disaster recovery.

With Oracle Data Guard, administrators can optionally improve production database performance by offloading resource-intensive backup and reporting operations to standby systems.

The ability to create clone databases on a standby system enables you to set up test or development environments based on your standby databases. Since standby systems are not production systems, they are a better choice for seeding test or development environments.

https://docs.oracle.com/en/engineered-systems/oracle-database-appliance/19.17/cmtxn/disaster-management-and-recovery-oracle-database-appliance1.html#GUID-A3FB3464-7D41-4A57-B264-F5A0A8AF2DD6

Support for TDE-Enabled Databases

Migrate existing Data Guard configuration and register with Oracle Database Appliance using ODACLI commands

Oracle Confidential – Internal

Oracle® Database Appliance Simulator Labs

The Oracle Database Appliance X8-2 simulator application is a container-base simulator on Oracle Cloud Infrastructure (OCI) that simulates the operation of an Oracle Database Appliance X8-2 single-node or high-availability (2 nodes) system.

You must have an OCI account to run the Oracle Database Appliance simulator. When you launch the Oracle Database Appliance simulator on the OCI Marketplace, a simulator VM is started in your tenancy. If you use the **Always Free OCI account**, due to the 1 GB memory limitation, it is recommended that you set up the simulator with the single-node option.

Following are the steps to set up the simulator environment so that you can run the Oracle Database Appliance hands-on labs to learn how to deploy, patch, and manage an Oracle Database Appliance.

https://docs.oracle.com/en/engineered-systems/oracle-database-appliance/19.14/dalab/about-the-simulator-362112628.html

Oracle Confidential – Internal

Oracle Database Appliance MOS Usefull Links

- ODA: How to Create a RAC One Node Database on Oracle Database Appliance (Doc ID 2136744.1)
- SRDC - Collecting Required ASM Troubleshooting Information in ODA (Oracle Database Appliance) (Doc ID 2368323.1)
- Oracle Database Appliance - 12.X Supported ODA Versions and Known Issues (See the ODA Release Notes for all Patching Information from 12.1.2.12 and higher) (Doc ID 888888.1)
- Alert: ODA 19.5 Requires a Deployment vs. Upgrade (Doc ID 2619256.1)
- Release Update Introduction and FAQ (Doc ID 2285040.1)
- https://docs.oracle.com/en/engineered-systems/oracle-database-appliance/index.html
- https://docs.oracle.com/en/engineered-systems/oracle-database-appliance/19.14/dalab/about-the-simulator-362112628.html

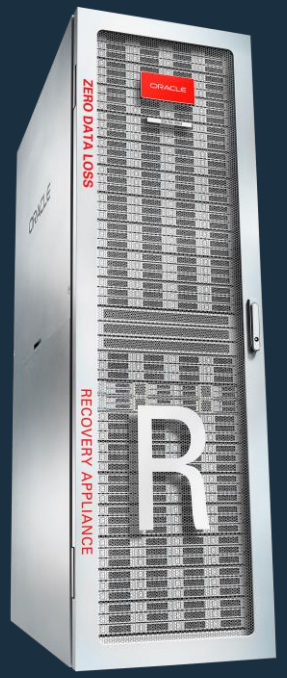
Oracle Confidential – Internal

ORACLE

Wrap-Up

ZFS

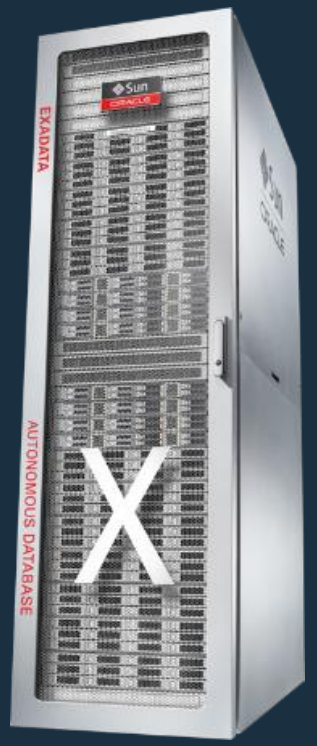
ZDL



Data Protection

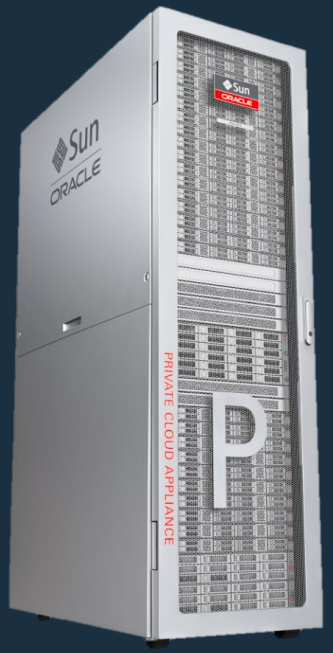
ODA

Exadata



Database

PCA



Middleware / Apps

Oracle Confidential – Internal

ORACLE

Thank you

Alexandre Fagundes
Marcel Lamarca
LAD Partner Enablement

Oracle Cloud Systems Portfolio

© 2022 Oracle