

Oracle Exalogic Elastic Cloud 2.x: Cloud Management

Code: D79133GC20
Length: 2 days
URL: [View Online](#)

Note: No hands on lab environment for the TOD course.

Companies want to realize the benefits of a private cloud but at the same time avoid the risks in building such a complex infrastructure. Exalogic Elastic Cloud: Cloud Management teaches you about a comprehensive virtual data center solution that's also secure and easy to use.

Learn To:

- Use Exalogic's Infrastructure as a Service (IaaS) capabilities.
- Provision and monitor accounts in a virtual data center.
- Create and use virtual network and storage resources.
- Create and manage virtual servers.

Benefits to You

Optimize your virtual data center using best practices for cloud management. Better understand the aspects of Exalogic's virtual networks, storage volumes, virtual servers, and more, so that your organization can reap the benefits of a private cloud, but avoid the risks.

Self-Service IT

This course will teach you how to use the Exalogic Control browser interface to quickly deploy all of your applications on the Exalogic hardware as virtual servers. Develop these new skills through in-class lectures and hands-on exercises.

Multi-Tenancy

Enrolling in this course will also allow you to explore the use of cloud accounts to control resource usage. You'll learn to maintain application isolation in your cloud through virtual networks and virtual storage.

Automation

Through hands-on exercises led by expert Oracle instructors, find out how to use the Exalogic Control command line interface to script and automate common cloud management tasks. Interact with instructors through open Q & A sessions that allow you to dig deeper into the Oracle Exalogic Elastic Cloud.

This course is appropriate for X2-2, X3-2, and X4-2 users.

Skills Gained

- Capture storage snapshots
- Create and manage virtual servers

- Configure CPU over-subscription
- Create and use custom vServer templates
- Automate cloud tasks with command line tools
- Create and manage storage volumes
- Describe Exalogic's virtual data center architecture
- Access and use the Exalogic Control interface
- Manage and monitor cloud accounts and users
- Create public and private virtual networks

Prerequisites

- Familiarity with basic Unix network and storage concepts

Course Details

Cloud Concepts

- Benefits of Virtualization and Cloud Computing
- Comparing Different Cloud Service Categories
- Explaining the Concept of Multi-Tenancy
- Describing Server Virtualization
- Describing Storage and Network Virtualization

The Exalogic Cloud Solution

- Describing Exalogic's Hardware and Software
- Describing Exalogic's Cloud Architecture
- Virtual Data Center Resources
- Describing Several Exalogic Cloud Roles
- Explaining a Typical Cloud Workflow

User and Account Management

- Accessing and Navigating Exalogic Control
- Integrating Exalogic Control with a Directory Server
- Creating Cloud Administration Users
- Controlling Administrative Privileges
- Creating Cloud Users
- Defining Virtual Data Center Accounts
- Monitoring Resource Usage for the vDC or an Account

Virtual Network Management

- Describing Exalogic Network Fabrics
- Comparing Public and Private Virtual Networks

- Creating Public and Private vNets
- Allocating Addresses for a vNet
- Monitoring Network Usage

Virtual Storage Management

- Explaining Exalogic's Storage Architecture
- Creating and Initializing a Storage Volume
- Attaching a Volume to a Virtual Server
- Capturing a Volume Snapshot
- Creating and Securing Custom Storage Shares
- Mounting a Custom Share from a vServer

Virtual Server Management

- Explaining Exalogic's Virtual Server Architecture
- Defining vServer Over-Subscription and High Availability
- Comparing vServer Types and Templates
- Creating a Custom vServer Type
- Starting and Stopping vServers
- Distributing vServers Across Multiple Nodes

Virtual Server Templates

- Explaining the Need for Custom Templates
- Describing the Template Creation Process
- Examining Different Template Modification Methods
- Mounting and Editing Template Disks with Loopback Devices
- Using the Modifyjeos Command-Line Tool

IaaS Command-Line Interface

- Installing the IaaS Software on a Remote Computer
- Creating Access Keys for a Specific Account
- Creating vNets, Volumes, Snapshots, and Distribution Groups from the Command Line
- Creating, Starting, and Stopping vServers from the Command Line

Advanced Cloud Techniques

- Rapidly Provisioning New Cloud Assets
 - Modifying the Attributes of Existing vServers
 - Using vServers to Host Common Services across Multiple Accounts
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