Oracle Exalogic Elastic Cloud 2.0: Cloud Management

Duration: 2 Days

What you will learn

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.

Self-Service IT

This course will also 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.

Audience

Data Center Manager
Network Administrator
System Administrator

Related Training

Suggested Prerequisites
Familiarity with Exalogic's network and storage architecture

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Familiarity with basic Unix network and storage concepts

Course Objectives

Automate cloud tasks with the IaaS command line interface

Create and use custom vServer templates

Describe the default Exalogic Control installation

Access and use the Exalogic Control interface

Manage and monitor cloud accounts and users

Create public and private virtual networks

Create and manage storage volumes

Create and manage virtual servers

Course Topics

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

The Exalogic Cloud Solution
Describing Exalogic's Hardware and Software
Describing Exalogic's Cloud Architecture
Capabilities of Exalogic Control
Describing Several Exalogic Cloud Roles
Discussing a Typical Cloud Provisioning Workflow

Initial Cloud Configuration
Explaining the Exalogic Installation Process
Describing the Default Exalogic Control Topology
Comparing Several Default Exalogic Networks
The role of partitions and VLANs in Exalogic
Navigating the Exalogic Control Browser Interface

Hardware Asset Management
Exploring the Exalogic System
Locating and Monitoring Hardware Assets
Monitoring Switches and Networks
Generating System Reports
Identifying and Resolving Incidents

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User and Account Management
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 an Account

Virtual Network Management
Describing Exalogic Network Fabrics
Comparing Public and Private Virtual Networks
Creating Public and Private vNets
Monitoring Custom vNets

Virtual Storage Management
Explaining Exalogic's Virtual Storage Architecture
Creating and Initializing a Storage Volume
Attaching a Volume to a Virtual Server
Capturing a Volume Snapshot

Virtual Server Management
Explaining Exalogic's Virtual Server Architecture
Enumerating vServer Concepts Including Over-Subscription and High Availability
Compaing 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
Cloning an Existing Template
Converting a vServer to a Template
Modifying Virtual Disk Contents
Using the ModifyJeOS Tool
Uploading a Template to Exalogic Control

IaaS Command Line Interface
Installing the IaaS Software on a Remote Compute
Creating Access Keys
Creating or Managing vServer Types, Volumes, Snapshots, and Distribution Groups
Creating, Starting, and Stopping vServers

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