Oracle Exalogic Elastic Cloud 2.x: Cloud Management

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