Oracle Enterprise Manager Ops Center 12c R2 Virtualizing Systems

Duration: 4 Days

What you will learn

The Oracle Enterprise Manager Ops Center 12c Virtualizing Systems course describes using Oracle Enterprise Manager Ops Center to manage Oracle VM Server for SPARC implementations, and provides hands on practices that augment your understanding of this virtualization technology.

Learn To:

Describe virtualization capabilities in Oracle Enterprise Manager Ops Center 12c.
Prepare a lab environment for OVMSS virtualization activities.
Create and manage storage libraries used to support OVMSS implementations.
Create and manage OVMSS servers, guests, and server pools.
Migrate OVMSS guests.
Build network infrastructures to support OVMSS clouds.
Manage I/O Domains.
Manage root domains.
Work with SR-IOV and Server Pools.
Create OVMSS Clouds.
Create OVMSS vServers.

Benefits To You

Benefit by getting an in-depth learning experience using EM Ops Center 12c software to manage Oracle VM Server for SPARC implementations. Explore the Ops Center software to create and manage OVMSS servers and OVMSS guest OS instances, create OVMSS clouds, and manage I/O domains. This course describes managing structures that support OVMSS implementations, including storage libraries and server pools.

Audience

Sales Consultants
System Administrator
Technical Administrator

Related Training

Required Prerequisites

General system administration skills related to system deployment, monitoring and software maintenance are required

Oracle Enterprise Manager Ops Center 12c Administration

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Suggested Prerequisites
General Oracle Solaris administration

General network administration

General virtualization technology administration

Oracle Solaris 11 System Administration Ed 3

Course Objectives

Describe virtualization capabilities in Oracle Enterprise Manager Ops Center 12c

Prepare a lab environment for OVMSS virtualization activities

Create and manage storage libraries used to support OVMSS implementations

Create and manage OVMSS servers, guests, and server pools

Migrate OVMSS guests

Build network infrastructures to support OVMSS clouds

Create and use OVMSS clouds

Manage I/O Domains

Manage root domains

Work with SR-IOV and Server pools

Course Topics

Enterprise Manager Ops Center Virtualization Overview
About Virtualization and Hypervisors
Oracle Virtualization
Benefits of Virtualization in Enterprise Manager Ops Center
Supported Virtualization Technologies in Enterprise Manager Ops Center
Hardware for OVMSS
OVMSS Architecture

Preparing the Lab Environment
Enterprise Manager Ops Center Installation Overview
Preparing the Lab Environment, Gathering Required Information
Performing Preinstallation Checks
Installing Enterprise Manager Ops Center Software
Configuring the Enterprise Controller in Disconnected Mode
Creating a Discovery Profile for ILOM Service Processors
Discovering and Managing Service Processors Using the Add Assets Action

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Creating a New Local Software Library

Managing Storage Libraries
Storage Library Overview
Creating a NAS Storage Library
Loading Images into a NAS Storage Library
Creating a SAN Storage Library
Adding LUNs to a SAN Storage Library
Associating a SAN Storage Library
Editing Library Attributes

Managing OVMSS Servers
About Oracle VM Server for SPARC
OVMSS Control Domain Provisioning
OVMSS Server Management

Managing OVMSS Guest
OVMSS Guest Management
Creating a Logical Domain Profile
Creating an OS Provisioning Profile
Creating a Deployment Plan
Verifying and Associating Storage Libraries
Creating and Provisioning Logical Domains
Guest Management and Monitoring

Creating and Managing Server Pools
About Server Pools
Creating a Server Pool
Server Pool Management
Creating Guests in a Server Pool
OVMSS Guest Management Actions

Migrating OVMSS Guests
Migrating Guests in Server Pools
Configuring Load Balancing for Server Pools
Manually Load Balancing Server Pools

Working with Networks
Enterprise Manager Ops Center Clouds
Steps for Implementing Static Private vNets and Public vNets in Clouds
Plumbing Networks Manually
Enabling DHCP on Proxy Controllers
Defining Managed IP Ranges on Networks
Assigning Networks to Server Pools
Creating Network Domains
Associating Network Domains with Server Pools

Creating OVMSS Clouds
Tasks for Cloud Administrators and Cloud Users
Creating Virtual Data Centers
Creating Accounts
Creating Server Templates

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Creating Private vNets
Allocating Public or Private IP Addresses

Creating vServers
Overview
Procedure

Creating I/O Domains
About I/O Domains
Creating I/O Domains with PCIe Endpoint Devices
Creating Root Domains
Attaching Networks (Non-SR-IOV)
Creating I/O Domains with Virtual Functions
Working with Server Pools

Creating Root Domains

Working on SR-IOV and Server Pools

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