Oracle Enterprise Manager Ops Center 12c Administration Ed 3

This Oracle Enterprise Manager Ops Center 12c Administration training teaches you how to implement this system management software in your data center. Learn to successfully use it to manage complex system environments.

Learn To

No hands-on lab environment for TOD

This Oracle Enterprise Manager Ops Center 12c Administration Ed 3 training provides the information you need to implement this system management software in your data center. Discussions and hands-on practices provide practical advice and experience focused on successfully using Oracle Enterprise Manager Ops Center 12c Release 3 to manage complex system environments.

Learn To:

- Deploy Oracle Enterprise Manager Ops Center 12c Release 3 in a data center.
- Manage and monitor assets using Ops Center.
- Provision firmware and operating systems.
- Implement server deployment scenarios using Ops Center.
- Effectively manage incidents and notifications using Ops Center.
- Deploy Oracle Solaris Zones using Ops Center.

Benefits to You

This course provides the practical experience you need to successfully deploy and administer Oracle Enterprise Manager Ops Center 12cR3 in your data center. You'll walk away with a deeper understanding of its underlying technologies and best practices. By participating in hands-on labs, you'll practice installing and employing Oracle Enterprise Manager Ops Center 12cR3 in a variety of use cases, including asset discovery, server deployment, operating system updates and system and hardware management.

Explore a Comprehensive Management Solution

Oracle Enterprise Manager Ops Center 12cR3 offers a comprehensive management solution for physical and virtual system resources. This enterprise-class solution simplifies asset discovery, deployment, monitoring and management. You will experience server provisioning capabilities, from service processors to operating systems, to firmware. It performs comprehensive update and patch management, manages virtual environments such as Oracle Solaris Zones, Oracle VM Servers for SPARC and x86, and supports hardware management from power up to production. It also enables management of thousands of systems simultaneously.

Prerequisites

Suggested Prerequisite

- General system administration skills related to system deployment, monitoring and software maintenance are required
- General Network administration skills
- General Oracle Solaris administration skills

Audience

- Technical Administrator
- Technical Administrator
- Administrator
- Administrator
- System Administrator
- System Administrator
- Support Engineer
- Support Engineer
- Technical Consultant

Course Objectives

- Understand Oracle Enterprise Manager Ops Center 12c Architecture
- Manage Incidents and Notifications using Ops Center
- Install and Configure Ops Center
- Perform Ops Center Administration Actions
- Manage Ops Center Software Libraries
- Understand Deployment Plans
- Discover and Manage Assets using Ops Center
- Provision Operating Systems and Firmware
- Manage Software Update Processes for Operating Systems
- Manage Ops Center Storage Libraries

Course Topics

Ops Center Architecture

- Ops Center's Infrastructure Stack Plug-in
- Ops Center's Job Process
- About Enterprise Manager Ops Center
- Network Ports and Protocols
- Ops Center's Subscription Model
- Components
- Basic Ops Center Deployment

Preparing for Installations

- Choosing Connected or Disconnected Mode
- Setting Up the Knowledge Base
- Setting Up the Solaris 11 Image Package System (IPS)
- Planning Enterprise Controllers, Proxy Controllers, and Assets
- Verifying Resources by Running OCDoctor.sh
- Downloading and Staging Ops Center Software and Documentation
- Setting Up the Oracle Database

- Planning Networks for Ops Center

Installing and Configuring Ops Center

- Setting Session Timeout Values
- Uninstalling Ops Center
- Validating Installations
- Configuring Ops Center
- Installing Ops Center
- Deploying Additional Proxies
- General Steps for Installing the Enterprise Controller for High Availability
- Installation and Configuration Overview

Discovering Assets

- Manually Installing and Enabling Agent Controllers
- Adding and Finding Assets
- Managing Discovery Profiles and Management Credentials
- Viewing Discovery Profiles and Managed Assets
- Switching Management Access for Assets
- Discovering Windows Operating Systems and SPARC Enterprise M-Series Servers
- Creating Discovery Profiles
- Migrating and Deleting Assets

Managing and Monitoring Assets

- Organizing Assets
- Viewing Asset Groups
- Monitoring Service Processors
- Managing Operating Systems
- Managing Service Processors
- Creating Asset Groups
- Viewing Asset Dashboards

Managing Users and Roles

- Managing User Roles and Privileges
- Users and Roles Overview
- Replicating User Roles
- Viewing User Roles and Privileges
- Adding Local Users to Ops Center
- Configuring Notification Profiles for Users

Managing Software Libraries

- Adding OS Images to Local Software Libraries
- Adding Firmware to Software Libraries
- Managing OS Images
- Managing Firmware Images
- Adding Software Libraries
- About Libraries
- Managing the Solaris 11 Library

Creating Plans and Profiles

- Creating Deployment Plans and Profiles
- About Deployment Plans and Profiles
- Creating Operational Profiles
- Viewing Deployment Plans and Profiles
- About Operational Plans and Profiles
- Applying Operational Plans
- Applying Deployment Plans

Provisioning Firmware

- Creating and Editing Firmware Deployment Plans

- Running Firmware Reports
- Setting the Enterprise Controller Storage Library
- Creating, Editing, and Copying Firmware Profiles
- About Firmware Provisioning
- Applying Firmware Deployment Plans

Provisioning Operating Systems

- OS Provisioning
- Creating OS Configuration Profiles
- Locating OS Images, Default OS Profiles, and Default Deployment Plans
- Configuring DHCP
- Provisioning Operating Systems
- Creating OS Provisioning Profiles
- Editing and Copying OS Provisioning Profiles
- Creating Deployment Plans

Updating Operating Systems

- Creating a System Catalog Report
- Applying a Custom Deployment Plan
- OS Updates Overview
- Creating and Updating a Local IPS Repository
- Creating Boot Environments and OS Update Profiles
- Searching for Software in the Oracle Solaris 11 Software Update Library
- Creating and Applying an OS Update Deployment Plan
- Using the Oracle Solaris 11 Support Repository

Performing Advanced Update Management

- Creating Oracle Solaris 11 Boot Environments
- Adding Local Content
- Viewing and Managing Boot Environments

- Creating Solaris 10 Boot Environments
- Setting Up Disconnected Mode

Managing Monitoring Policies, Notifications, and Incidents

- Assigning and Acknowledging Incidents
- Ops Center's Monitoring Capabilities
- Resolving Incidents
- Configuring User Notification Profiles
- Managing Monitoring Policies
- Viewing Alerts, Notifications, and Incidents
- Investigating Incidents
- Creating Monitoring Policies

Managing Storage Libraries

- Associating a SAN Storage Library
- Adding LUNs to a SAN Storage Library
- Viewing NAS Storage Library Information
- Creating a NAS Storage Library
- Storage Library Overview
- Creating a SAN Storage Library
- Editing Library Attributes and Removing Storage Libraries
- Loading Images into a NAS Storage Library

Working with Solaris Zones

- Creating and Deleting Oracle Solaris Zones
- Booting Zones
- Adding Storage to Zones
- Editing Zone Configurations
- Shutting Down Zones
- Cloning Oracle Solaris Zones

- Oracle Solaris Zones Overview
- Zone Data Structures

Creating and Managing Server Pools

- Creating Oracle Solaris Zones in a Server Pool
- Using Storage Libraries with Server Pools
- Guest Placement and Balancing Policies for Server Pools
- Server Pool and Stand-Alone Server Actions
- About Server Pools
- Creating a Server Pool for Oracle Solaris Zones
- Migrating Zones in a Server Pool