Oracle Enterprise Manager Ops Center 12c Administration

Duration: 5 Days

What you will learn

This course provides the practical experience you need to successfully deploy and administer Oracle Enterprise Manager Ops Center 12c in your data center. Expert instructors will teach you about its underlying technologies and best practices.

Learn To:

Manage and monitor assets using Ops Center.

Provision Firmware and Operating Systems.

Implement Server Deployment Scenarios using Ops Center.

Use Reports to Gain Visibility into System Conditions.

Effectively Manage Problems and Service Requests using Ops Center.

Deploy Oracle Enterprise Manager Ops Center 12c in your Data Center.

Learn a Comprehensive Management Solution

Oracle Enterprise Manager Ops Center 12c Administration offers a comprehensive management solution for physical and virtual system resources. Learn how this enterprise-class solution simplifies asset discovery, deployment, monitoring and management.

 Benefits To You:

Discover how Oracle Enterprise Manager 12c can help your organization streamline IT management processes and guide you in your transformation to the cloud. You will see how your organization can realize a 10-20% productivity increase due to labor cost savings resulting from cloud lifecycle management features. You will also see how Enterprise Manager 12c can provide up to ten times faster provisioning of applications in enterprise private clouds.

Hands-On Labs

Hands-on labs let you practice installing and employing Oracle Enterprise Manager Ops Center 12c in a variety of use cases. These use cases include asset discovery, server deployment, operating system updates and system and hardware management.

Audience

Administrator

Support Engineer

System Administrator

Technical Administrator

Technical Consultant

Related Training

Required Prerequisites

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

Oracle Solaris 11 Advanced System Administration

Suggested Prerequisites
General Network administration skills

General Oracle Solaris administration skills

Oracle Solaris 11 System Administration NEW

Transition to Oracle Solaris 11

Course Objectives
Understand Oracle Enterprise Manager Ops Center 12c Architecture

Install and Configure Ops Center

Perform Ops Center Administration Actions

Discover and Manage Assets using Ops Center

Manage Ops Center Software Libraries

Understand Deployment Plans

Provision Operating Systems and Firmware

Manage Software Update Processes for Operating Systems

Use Reports to Gain Visibility into System Conditions

Manage Problems and Service Requests using Ops Center

Course Topics

Introducing Oracle Enterprise Manager Ops Center 12c
Understand IT challenges and the value proposition of EM Ops Center 12c
Describe how EM Ops Center 12c fits into the Enterprise Manager product suite
Describe EM Ops Center 12c Product Compatibility and supported technologies
Identify Enterprise Manager Ops Center 12c main features
Identify Enterprise Manager Ops Center 12c main benefits
Describe the Enterprise Manager Ops Center 12c User Interface, including help

Understanding Oracle® Enterprise Manager Ops Center 12c Architecture
Describe Enterprise Manager Ops Center 12c Architecture
Identify communication methods in Enterprise Manager Ops Center
Identify Enterprise Manager Ops Center technologies

Understand Enterprise Manager Ops Center integration with Oracle Enterprise Manager 12c

Describe the Oracle System Monitoring Plug-in for Oracle Enterprise Manager Ops Center

Access Enterprise Controller Data from Grid Control

Installing and Configuring Enterprise Manager Ops Center

List system requirements for Enterprise Manager Ops Center installation

Understand Enterprise Manager Ops Center configuration options

Prepare for Enterprise Manager Ops Center installation

Use the OCDoctor script

Overview of Enterprise Manager Ops Center High Availability configurations for Solaris and Linux

Perform a basic Enterprise Manager Ops Center installation, using local embedded Oracle database

Perform a basic Enterprise Manager Ops Center installation, using remote Oracle database

Perform post installation software validation

Discovering and Managing Assets

Create discovery profiles

Discover, declare, and manage assets using the Add Assets action

Switch management access

Discover and manage assets using the Find Assets action

Use Discovery Profile life cycle actions

Use management credentials life cycle actions

Update management credentials

Describe special asset discovery actions (SPARC Enterprise M-Series, Windows systems)

Monitoring and Administering Assets Using Enterprise Manager Ops Center

Understand principles of system management and monitoring using Enterprise Manager Ops Center

Managing and monitoring assets

Create, modify, apply, and delete monitoring policies

Create Smart Groups with Agentless Managed OSes

Apply and use semantic tags

Manually install and configure Enterprise Manager Ops Center agents

Monitor SMF services

Use Dashboards to view asset information and navigate in Enterprise Manager Ops Center

Managing Users and Roles

Describe users, roles and preferences in Enterprise Manager Ops Center

Manager user-customized preferences

Create, modify, copy, and delete users and roles

View local and remote user details

Manage notification profiles

Configure Ops Center for a remote directory server

Sync Directory server's users and roles

Managing Libraries

Identify Enterprise Manager Ops Center libraries, including software libraries, Solaris/Linux updates libraries,and storage

Manage EC local software libraries

Manage EC NAS-based libraries

Import an OS image into an EC local storage library

Import Firmware images into an EC local storage library

View default plans and profiles

Configure and initialize Master Solaris Repository (MSR) Library

Harvest repository from image

Introducing Plan Management
Navigate the Plan Management section in the Browser UI
Describe the purpose of each section in the Plan Management tab
View a deployment plan and its associated profile
Create a new deployment plan and profile
Update the settings in a profile, and update the associated deployment plan to reference a new profile version
Apply a deployment plan in Enterprise Manager Ops Center
Use a script to create an operational plan and profile
Apply an operational plan in Enterprise Manager Ops Center

Provisioning Firmware Using Enterprise Manager Ops Center
Identify the main firmware provisioning features that Enterprise Manager Ops Center provides
Manage firmware profiles and dependencies among profiles
Create and manage deployment plans that include firmware update profiles
Use firmware compliance reports
Provision firmware to a server
Enable automatic firmware downloads

Provisioning Operating Systems Using Enterprise Manager Ops Center
Identify the main OS provisioning features that Enterprise Manager Ops Center provides
Configure DHCP to support OS provisioning
Manage OS provisioning profiles and configure a deployment plan to support OS provisioning for Oracle Solaris 10 & 11,
Manage OS provisioning plans for different operating systems
Describe Oracle Solaris 11 OSP profile options
Provision an operating system
Install JET modules

Performing Update Management Using Enterprise Manager Ops Center
Identify the main software update features and methods that Ops Center provides
Describe OS update profiles, policies, and prerequisites
Understand the relationship between update profiles, policies, and deployment plans
Integrate updates into a deployment plan
Use profiles to update a system or group of systems
Use a system catalog to perform an update without a profile
Use compliance reports to update an operating system
Compare catalogs and use them to roll back a system to a previous state

Performing Advanced Update Management with Enterprise Manager Ops Center
Understand how to configure Enterprise Manager Ops Center for disconnected mode operation
Describe managing local software updates
Update a system using Oracle Solaris Live Upgrade

Managing Problems, Service Requests, and Notifications Using Enterprise Manager Ops Center
Explain the purpose and function of the Enterprise Manager Ops Center Message Center
Describe how Enterprise Manager Ops Center generates notifications and problems when monitoring assets
View problems in the Message Center BUI
Configure a notification profile within Enterprise Manager Ops Center
View notifications in the Enterprise Manager Ops Center BUI
Use the Message Center to manage problem life cycle
Create annotations and add them to the Problems Knowledge Base
Explain how Message Center can open Service Requests

Working with Enterprise Manager Ops Center Reports

Identify Enterprise Manager Ops Center reporting capabilities

Describe chart export capabilities

Describe Oracle Solaris, Linux, and Windows update reports, including Change History, Baseline Analysis, Profile Analys

Describe System information reports

Describe problem reports, including the Problem Summary Report and Problem Detail Report

Describe firmware reports

Performing Ops Center Administration

Use administration scripts

View agent and proxy controllers

Add or remove a Proxy Controller to/from Ops Center

Administer managed networks on Proxy Controllers

Describe Proxy Controller failover scenarios

View log files

Apply Ops Center software EC, PC, and agent updates

Backup and restore EC local DB