

Oracle Enterprise Manager Cloud Control 12c: Advanced Configuration Workshop

Duration: 3 Days

What you will learn

Oracle Enterprise Manager (EM) Cloud Control 12c: Advanced Configuration Workshop teaches you to maximize availability and scalability with deployment of EM. Learn techniques for disaster recovery, security and command line operations.

Learn To:

- Expand the EM platform to multiple OMSs
- Recover in case of one OMS failure
- Understand load balancing within the EM framework
- Configure access to My Oracle Support
- Use command line interfaces and configure EM for monitoring
- Configure EM with a RAC database repository

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.

Configuration Concepts

This course will also introduce you to configuration concepts. You'll have an opportunity to solidify them as you navigate through a series of hands-on labs to build a higher available system.

Audience

- Database Administrators
- J2EE Developer
- Project Manager
- Security Administrators
- Web Administrator

Related Training

Required Prerequisites

Familiarity with: Enterprise Manager base install, basic EM components control commands, command line environments (UNIX, Linux preferred)

Oracle Enterprise Manager Cloud Control 12c: Install & Upgrade

Using Oracle Enterprise Manager Cloud Control 12c

Suggested Prerequisites

Familiarity with basic database administrative commands

Familiarity with command line environments (Linux, Unix)

Familiarity with general RAC database layout

Course Objectives

Deploy management agents in various forms

Setup a load balancer within the EM framework

Understand techniques for disaster recovery of EM in an HA environment

Implement security of EM framework

Maximize the use of My Oracle Support

Become familiar with silent and command line EM operations

Deploy EM with a 2-node RAC repository for High Availability and Scalability

Configure Oracle Management Services (OMS) and expand to multiple OMSs

Course Topics

Introduction

Review Concepts and Pre-requisites Major Themes

Virtualization with Oracle VM Server

Oracle Virtual Machines in the Classroom

Explore the RAC Database Repository

Explore Oracle Software Installed and Configured

Enterprise Manager Deployment Best Practices

Simple EM Install versus a Highly Available and Scalable EM

EM HA Deployment Best Practices Summary

OMR, OMS and Agents Installation Best Practices

Availability Levels

SLB for Failover and Scalability

Repository Configuration Best Practices

RAC Database Repository: Best Practices

MAA Advisor

Compliance Standards

Backup of OMR

Manage and Monitor OMR: Adding agents to OMR nodes

Software Library Configuration

Review of Software Library Concepts

Software Library Planning

Software Library Migration

Command Line Interface (EMCLI)

Introduction to EMCLI

EMCLI Installation and Configuration

Load Balancer Setup

Load Balancer Concepts

EM Load Balancer Requirements

Load Balancer Configuration

OMS Configuration and Administration

OMS Configuration Dependencies

Out-of-Box OMS Configuration and Files Structure

Best Practice: exportconfig

OMS Plug-ins

Expanding the OMS Pool

My Oracle Support Configuration

Setup of MOS

Access to MOS from Multiple OMSs

Enable Patching

Deploying Oracle Management Agents

Management Agents Review

Agents Files Structure

Agents Deployment/Installation Modes

Agents Best Practices Configuration

Agent-specific Plug-ins

Self-Update Agents

Enterprise Manager Security

EM Security Best Practices

Secure OMS/Agent communications

Securing Communication: Firewalls

Operational Security

Monitoring the Enterprise Manager System

Self-monitoring of EM

Demo of Key Metrics

Recovery Techniques for EM

OMS Recovery: Role of exportconfig

OMS Recovery Scenarios

Agents Recovery