Oracle Enterprise Manager 11g: Grid Control Essentials

Duration: 3 Days

What you will learn

This Enterprise Manager 11g course will introduce you to the core functionality of Enterprise Manager Grid Control 11g. Expert Oracle instructors will help you explore the underlying framework functionality that's central to the entire Enterprise Manager Grid Control product family.

Learn To:

Describe the architecture and installation of Enterprise Manager 11g Grid Control.

Monitor the overall health of your Grid Control system.

Manage targets, hosts and groups.

Use the job system to create and manage jobs to automate commonly performed tasks.

Use Information Publisher to generate custom reports.

View, search and compare configurations.

Benefits To You

Discover how Enterprise Manager can help your organization streamline IT management processes and optimize performance to meet your organization's business requirements.

Manage Your Enterprise-Computing Environment

This course will also teach you how to implement and use Grid Control to manage your enterprise-computing environment. Gain knowledge about installation and configuration of the Grid Control framework; learn how to use the out-of-box management capability that's common across all target types with Grid Control.

Hands-On Exercises

Hands-on practices during this course will teach you how to use the robust features of Grid Control. You'll learn to manage, monitor and administer their data center.

Audience

Administrator

Database Administrators

Technical Administrator

Related Training

Suggested Prerequisites
Familiarity with Database Control

Familiarity with Fusion Middleware Control

Good knowledge of Linux

Oracle Database 11g: Administration Workshop I Release 2

Oracle WebLogic Server 11g: Administration Essentials

Course Objectives
Explain policies and evaluate policy violations

Manage and monitor host, database and middleware targets

Perform common troubleshooting tasks

Create jobs to perform commonly-run tasks

Define and monitor services and service levels

Use Information Publisher to generate custom reports

Use deployment procedures to provision and patch, and view, search and compare configurations

Describe how to use management plug-ins and connectors to extend Enterprise Manager Grid Control functionality

Describe the architecture of Enterprise Manager Grid Control

Describe the steps involved in the installation of the Oracle Management Repository, the Oracle Management Service, and the Oracle Management Agent

Monitor and manage the Enterprise Manager Grid Control framework

Create administrators and roles

Create groups to help manage the data center environment

Course Topics

Introduction
Understanding what today's Data Center looks like
Explaining Enterprise Manager Grid Control
Explaining how to use Enterprise Manager Grid Control in business driven IT management
Discussing key features of Enterprise Manager Grid Control
Describing Enterprise Manager Grid Control's capabilities to manage the complete enterprise application stack
Discussing Management Plug-ins and Connectors available for Enterprise Manager Grid Control

Grid Control Architecture
Describing the components of Grid Control
Explaining the architecture of Grid Control
Describing the target types managed by Grid Control
Explaining the Grid Control Console pages and its functionalities
Discussing the application of the Maximum Availability Architecture to a Grid Control environment

Grid Control Installation
Installing WebLogic Server and Grid Control
Understanding the installation process for the various components that make up Grid Control
Discussing the ports used for a standard Grid Control installation
Explaining the directory structure for Grid Control

Setting Up Enterprise Manager Grid Control
Configuring Grid Control to set up additional administrators
Identifying the types of privileges used in Grid Control
Using roles to assign privileges to groups of administrators
Setting up preferred credentials to simplify access to managed targets

Managing and Monitoring Grid Control
Monitoring the availability of Grid Control components
Monitoring the performance of the Management Server, Repository, and Agent
Identifying log and trace files for all Grid Control components
Starting and stopping Grid Control components
Discussing backup and recovery of Grid Control components

Managing Hosts
Performing administrative tasks on Linux hosts
Executing the Host command
Using log file alerts
Using net service administration
Using the remote file editor
Viewing storage details

Managing Groups
Defining groups
Describing the usage of groups
Creating groups
Using dashboards to monitor groups
Applying monitoring templates to groups
Using notification rules on groups

Managing Systems and Services
Defining systems and services
Creating a service based on a system
Defining and monitoring the availability of a service
Discussing the use of beacons
Defining and monitoring service levels
Explaining Root Cause Analysis (RCA)

Monitoring Targets
Identifying out-of-box monitoring features

Changing metric settings
Creating and applying monitoring templates
Using notifications
Defining corrective actions
Creating notification rules
Creating User-Defined Metrics (UDMs)
Using blackouts

Job Systems
Defining jobs
Using pre-defined jobs
Creating user defined jobs
Creating multitask jobs
Viewing job activity
Using job operations
Purging jobs
Enabling job notifications

Information Publisher
Viewing and customizing Oracle-provided reports
Creating custom reports
Creating custom reports by using the management repository and its base views to generate a report
Scheduling reports
Sharing reports with the entire business community

Provisioning and Patching Automation
Discussing software lifecycle management
Defining provisioning and patching
Discussing provisioning concepts
Defining the software library
Configuring the software library
Defining deployment procedures
Defining bare metal provisioning

Configuration Management
Explaining the need for configuration management
Describing configuration management
Viewing configurations of managed targets
Comparing configurations of managed targets
Viewing configuration summary for managed targets
Defining the Client System Analyzer
Defining collection tag associations

Managing Compliance
Defining compliance management
Viewing compliance management pages in Grid Control
Evaluating compliance levels
Setting up compliance evaluations
Customizing policies
Discussing types of policy groups
Defining compliance scores

Extending Grid Control

Identifying the available management plug-ins

Discussing the benefits of managing third-party components with Grid Control

Deploying management plug-ins

Explaining management connectors in Grid Control