

Oracle Enterprise Manager 10g Grid Control

Duration: 5 Days

What you will learn

This course provides an overview of Grid Control 10.2.0.4 features. By taking this course students will understand how Grid Control can be used to manage and monitor an entire enterprise from a single console. The hands-on practices provide a student the knowledge to implement the Grid Control features in their enterprise. Students learn to manage, monitor and administer targets such as Database 11g and Oracle WebLogic Server using Grid Control console. They learn to use Grid Control console to automate the software lifecycle management in their enterprise. The hands-on practice provides a student the scope to explore the software lifecycle management automation capabilities provided in Grid Control console.

Students also gain the knowledge to use the Management Plug-ins and the Connectors to integrate with third-party softwares. This course provides a list of various categories of Management Plug-ins and Connectors that are available in Grid Control 10.2.0.4 release.

Learn To:

Use Grid Control framework features

Manage and monitor Database 11g targets

Manage and monitor Oracle WebLogic Server targets

Patch and Provision softwares in your enterprise

Provide an overview on Management Plug-ins and Connectors

Audience

Administrator

Database Administrators

End Users

Project Manager

Reports Developer

Sales Consultants

Technical Administrator

Technical Consultant

Prerequisites

Required Prerequisites

Participants are expected to have a general understanding of Application Server and Database.

Familiarity with the Application Server Control and/or Database Control will be an added advantage.

Good knowledge of Linux would be definite plus.

Suggested Prerequisites

Oracle WebLogic Server 10g R3: System Administration

Oracle Database 11g: Administration Workshop II

Oracle Database 11g: Administration Workshop I

Course Objectives

- Manage targets such as Database 11g and Oracle WebLogic Server
- Use Deployment Procedure to patch Database
- Explain the use of Management Plug-ins and Connectors
- Explain the steps to be followed to do a fresh installation of Grid Control 10.2.0.4
- Install Management Agent
- Explain Active/Active and Active/Passive Architecture
- Setup the Grid Control after installation
- Create Administrators and Roles in Grid Control
- Manage and Administer Grid Control console
- Secure Grid Control
- Create Groups to manage targets
- Create and save reports
- Create jobs using Job System
- Use Configuration management in Grid Control
- Use Compliance management in Grid Control
- Create Services and Systems

Course Topics

Introduction

- Understanding what comprises a Data Center
- Explaining Enterprise Manager Grid Control
- Discussing key features of Enterprise Manager Grid Control
- Discussing Management Packs available in Enterprise Manager Grid Control
- Discussing Management Plug-ins and Connectors available for Grid Control 10.2.0.4

Grid Control Architecture and Installation

- Explaining components of Grid Control
- Explaining the Architecture of Grid Control
- Explaining the various installation options
- Upgrading Grid Control to 10.2.0.4
- Explaining the Directory Structure of Grid Control
- Explaining the Grid Control Console pages and its functionalities
- Discussing Maximum Availability Architecture

Deploying the Oracle Management Agent

- Identifying the existing installation options for Oracle Management Agent
- Identifying the pre-requisites for installing Oracle Management Agent
- Discussing the Post-Installation Configuration Tasks
- Applying patchsets and upgrade Grid Control Management Agent

Setting Up Enterprise Manager Grid Control

- Creating Administrator in Grid Control
- Creating Roles in Grid Control
- Setting up Preferred Credentials
- Defining Enterprise Manager Command Line Interface (emcli)

Administrating and Monitoring Grid Control

- Monitoring the availability of Grid Control components
- Monitoring the performance of Management Server, Repository, and Agent

- Identifying log and trace files for all Grid Control components
- Using the various commands to manage Grid Control components
- Discussing backup and recovery of Grid Control components

Securing Grid Control

- Describing the security options available for Oracle Management Service and Oracle Management Agent
- Authenticating Grid Control Administrators using Single Sign-On
- Configuring Grid Control for use with proxy servers and through firewalls
- Configuring Grid Control for use with Enterprise User Security
- Configuring Auditing System
- Configuring emkey

System Monitoring

- 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

Managing Groups

- Defining groups
- Describing the usage of groups
- Creating groups
- Using dashboards to monitor groups
- Describing redundancy groups

Information Publisher

- Viewing and customizing out-of-box 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

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

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 Client System Analyzer
Defining Collection Tag Associations

Managing Compliance

Defining Compliance Management
Viewing Compliance Management pages in Grid Control
Evaluating Compliance level
Setting up Compliance Evaluations
Customizing Policies
Discussing types of Policy Groups
Defining Compliance Scores

Service Management

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)
Diagnosing Web application performance problems

Monitoring Hosts

Performing Administrative tasks on Linux Hosts
Viewing All Metrics for Hosts
Executing Host Command
Using Log File Alerts
Using Net Service Administration
Using Remote File Editor
Viewing Storage Details

Managing Oracle Database

Explaining how Grid Control can be used to manage database instances
Describing the Database Administration features of Grid Control
Describing the Database Maintenance features of Grid Control
Describing the Database Performance Monitoring features of Grid Control
Explaining how Grid Control can be used to manage database instances
Monitoring Real Application Clusters
Using Data Masking

Managing Fusion Middleware

Listing Middleware targets monitored in Grid Control
Managing and monitoring Oracle WebLogic Server
Managing BPEL processes

Provisioning and Patching Automation

Discussing Software Lifecycle Management
Defining Provisioning and Patching
Discussing Provisioning Concepts
Defining Software Library
Configuring Software Library
Defining Deployment Procedure
Defining Bare Metal Provisioning

Management Plug-Ins

Identifying the available Management Plug-ins

Discussing the benefits of managing third-party components with Enterprise Manager

Deploying Management Plug-ins

Listing the steps involved in creating a custom Management Plug-in

Configuring Helpdesk connectors and Event Connectors°

Explaining Management Connector in Enterprise Manager Grid Control

Configuring Remedy Connector

Registering a Ticket Template for Remedy Connector

Configuring Microsoft Operations Management Connector(MOM)

Getting the response status of targets in MOM

Viewing the alerts generated in MOM in Grid Control

Appendix B: Managing Oracle Application Server

Viewing managed Oracle Application Servers

Managing Oracle Application Server

Monitoring Oracle Application Server

Administering Oracle Application Server

Appendix C: Managing IDM and AD4J

Explaining the features of Oracle Identity and Access Management suite (IDM Suite)

Identifying IMS Suite products

Monitoring and managing Access Manager

Monitoring and managing Identity Manager

Monitoring and managing Identity Federation

Discussing the features of Application Diagnostics for Java (AD4J)

Appendix D: Managing Applications

Describing the new capabilities of Enterprise Manager

Discussing Application Management Pack for Siebel

Identifying Siebel targets

Using System and Service-Level Management

Using Configuration Management

Discussing Management Pack for Oracle E-Business Suite