

## Oracle WebLogic Server 12c: Enterprise Manager Management Pack

**Duration:** 2 Days

### What you will learn

This Oracle WebLogic Server 12c: Enterprise Manager Management Pack training teaches Cloud Control users to monitor, manage, and troubleshoot WebLogic Server environments. Expert Oracle University instructors will teach you how to integrate Cloud Control with the management life cycle of your WebLogic applications, while adopting Oracle's best practices.

### Learn To:

- Use Cloud Control to monitor WebLogic servers and applications.
- Use both real time and historical metrics to troubleshoot JVM or server issues.
- Use Cloud Control to administer WebLogic domains and deploy applications.
- Use Cloud Control to clone and scale WebLogic environments.
- Use Cloud Control to track and compare WebLogic configurations.
- Use Cloud Control to analyze JVM and WebLogic diagnostics.

### Benefits to You

Taking this course will teach you how to more effectively manage your WebLogic environments. You'll walk away with the knowledge and skills to keep track of server availability, key performance indicators, configuration changes and patches. You will also learn how to streamline general application lifecycle activities, including scale out, cloning and application provisioning.

### Explore Central Monitoring and Administration

This course will also help you discover multiple WebLogic deployments and monitor their availability and performance from a single interface. Learn how to maintain your domain configurations and ensure they comply with Oracle and custom IT policies.

### Provisioning and Scaling

Instantiate a new WebLogic domain from a standard profile or clone an existing domain. Quickly scale up or out an existing domain to adapt to larger workloads.

### Live Virtual Class Format

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

## Audience

System Administrator

## Related Training

### *Required Prerequisites*

Oracle WebLogic Server 12c: Administration I

## Course Objectives

Discover existing WebLogic environments

Monitor and manage domains, servers, data sources, and applications

Track changes to a WebLogic environment

Provision and clone domains

Scale out an existing cluster

Analyze JVM threads and snapshots

Use the WebLogic diagnostic advisor

Automate tasks through groups and templates

## Course Topics

### **Introduction to Enterprise Manager Cloud Control**

Middleware Management Challenges

Cloud Control Capabilities

Multiple Domains

Cloud Control Architecture

Agents

Targets

EMCLI

Cloud Control Security

### **Discovering Targets**

Middleware Targets

Automatic Discovery Process

Viewing Discovered Targets

Adding Targets Manually

EMCLI Discovery Example

Configuring Automatic Refresh

EMCLI Refresh Example

Deploying JVMD

## **Monitoring**

- Navigating Middleware Targets
- Domain, Cluster, and Server Home Pages
- Customizing a Home Page
- Server Performance Summary
- Baselines
- Blackouts
- Incident Manager
- Notifications

## **Monitoring Best Practices**

- Monitoring Templates
- Customizing Metric Settings
- Corrective Actions
- Group Options
- Administration Group Hierarchy
- Configuring Target Properties
- Template Collections
- Associating Collections with Groups

## **Administration**

- Controlling WebLogic Targets
- Scheduling WebLogic Jobs
- Viewing WLS and FMW Logs
- WebLogic Change Center
- Working with Data Sources
- Modifying MBeans Attributes
- Recording WLST Scripts

## **Configuration Management**

- Capturing Target Configurations
- WebLogic Configuration Data
- Viewing Configuration History
- Searching Configurations
- Comparing Configurations
- Creating a Custom Comparison Template
- Synchronizing Configuration Differences
- Working with Comparison Results

## **Provisioning**

- Cloning an Existing Installation
- Cloning an Existing Domain
- Middleware Home Gold Images
- Installing WebLogic from a Gold Image
- Domain Provisioning Profiles
- Creating a Domain from a Profile
- Scaling an Existing Cluster
- Customizing Deployment Procedures

## **Application Deployment**

- Deployment Artifacts
- Creating Applications in the Library

- Deployment Operations
  - Deploying a New Application
  - Redeploying an Application
  - Undeploying an Application

## **Diagnostics**

- JVM Pools
  - JVM Pool and JVM Home Pages
  - JVM Performance Diagnostics
  - JVM Live Thread Analysis
- Cross Tier Analysis
- Diagnostic Snapshots
- Middleware Diagnostic Advisor (MDA)
  - Viewing MDA Findings