

Oracle Enterprise Manager 13c

Course Duration:16 Hours

Course code: Oracle Enterprise Manager 13c

1. Course Overview

This course provides participants with the knowledge and skills to use Oracle Enterprise Manager (OEM) 13c to manage, monitor, and optimize Oracle WebLogic Server environments. The WebLogic Server Management Pack enables administrators to gain comprehensive visibility into middleware environments, perform proactive monitoring, configure alerts, optimize performance, and ensure high availability. Learners will gain practical experience with deployment, diagnostics, lifecycle management, and automation to streamline operations across enterprise environments.

2. What you'll learn?

By the end of this course, you should be able to:

- Describe the architecture and features of Oracle Enterprise Manager 13c
- Understand the Oracle WebLogic Server Management Pack capabilities
- Discover and manage WebLogic domains using OEM
- Monitor WebLogic Server health, JVM, and application performance
- Configure diagnostics, alerts, and thresholds
- Analyze logs, metrics, and performance data
- Perform lifecycle management tasks such as patching and provisioning
- Automate management workflows using OEM features
- Implement best practices for WebLogic Server monitoring and management

3. Target Audience

- Middleware administrators
- System administrators managing Oracle WebLogic environments
- Enterprise architects overseeing middleware performance and availability
- DevOps professionals integrating WebLogic into enterprise monitoring

4. Pre-Requisites

Familiarity with:

- Oracle WebLogic Server administration
- Oracle Enterprise Manager basics
- Middleware concepts (Java EE, JVM, deployments)

5. Course content

Module 1: Course Introduction

- Introduction
- Course contents

Module 2: Overview of Oracle Enterprise Manager 13c

- OEM 13c architecture and components
- Key capabilities for middleware management
- Role of Management Packs

Module 3: Introduction to WebLogic Server Management Pack

- Features and benefits of the Management Pack
- Supported WebLogic environments
- Licensing considerations

Module 4: Discovering and Managing WebLogic Domains

- Domain discovery in OEM 13c
- Target configuration and management
- Managing clusters and servers

Module 5: Monitoring WebLogic Server Performance

- Monitoring JVM performance and health
- Thread and connection pool monitoring
- Application and deployment monitoring

Module 6: Configuring Diagnostics and Alerts

- Setting thresholds and metrics
- Creating and managing alerts
- Integration with incident management

Module 7: Log and Metric Analysis

- Collecting and analyzing logs
- Diagnostic data collection
- Using metric extensions for custom monitoring

Module 8: Lifecycle Management of WebLogic Servers

- Patching WebLogic environments
- Provisioning new domains and clusters
- Configuration management

Module 9: Automation with OEM 13c

- Automating routine WebLogic tasks
- Scheduling jobs and workflows
- Using templates for repeatable deployments

Module 10: High Availability and Best Practices

- Monitoring clustered WebLogic environments
- Ensuring availability and reliability
- Best practices for performance tuning

Module 11: Integration with Enterprise Ecosystem

- Integrating with Oracle Fusion Middleware components
- Cross-tier monitoring (DB, OS, Middleware)
- Reporting and dashboards

Module 12: Case Studies and Wrap-up

- Real-world use cases

- Best practice implementation scenarios
- Course summary and Q&A

