

# Oracle WebLogic Server 14c: Troubleshooting Workshop

**Duration: 3 Days**

## Course Description:

This course helps you learn how to monitor and tune Oracle WebLogic Server 14c. The lecture content is suitable reinforced with hands-on practices. The lecture content is suitable reinforced with hands-on practices.

## Course Objectives:

Upon completion of this course, the student will learn how to:

- Harvest Diagnostic Metrics
- Monitor Diagnostic Metrics
- Configure and Monitoring Diagnostic Events
- Trace a Client Request
- Troubleshoot a JVM
- Investigate Server Problems
- Investigate Application Problems
- Investigate JDBC Problems
- Investigate Node Manager Problems
- Investigate Proxy Problems
- Investigate Cluster Replication Problems
- Troubleshoot Changes by Using Auditing

## Course Outlines:

### Course Introduction

- Course Introduction
- Course Practice Environment: Security Credentials

### Troubleshooting: Overview

- Troubleshooting: Overview
- Implement the Plan: Reproducible Problem
- Practice 2-1: Accessing and Setting Up the Practice Environment
- Practice 2-2: Running RDA Part 1
- Practice 2-2: Running RDA Part 2

### WebLogic Server Diagnostic Framework

- WebLogic Server Diagnostic Framework
- Harvester Architecture
- Practice 3-1: Harvesting Diagnostic Metrics Part 1
- Practice 3-1: Harvesting Diagnostic Metrics Part 2
- Practice 3-1: Harvesting Diagnostic Metrics Part 3
- Practice 3-2: Monitoring Diagnostic Metrics

### Diagnostic Instrumentation

- Diagnostic Instrumentation
- Instrumentation and Request Performance
- Practice 4-1: Configuring and Monitoring Diagnostic Events Part1
- Practice 4-1: Configuring and Monitoring Diagnostic Events Part2
- Practice 4-2: Tracing a Client Request Part 1
- Practice 4-2: Tracing a Client Request Part 2

### JVM Troubleshooting

- JVM Troubleshooting
- JVM Error Log
- Management Communication
- Practice 5-1: Troubleshooting a JVM Part 1
- Practice 5-1: Troubleshooting a JVM Part 2
- Practice 5-1: Troubleshooting a JVM Part 3

### Troubleshooting Servers

- Troubleshooting Servers
- Java Deadlock Concepts
- Practice 6-1: Investigating Server Problems Part 1
- Practice 6-1: Investigating Server Problems Part 2
- Practice 6-1: Investigating Server Problems Part 3

### Troubleshooting Applications

- Troubleshooting Applications
- Java Stack Trace
- WebLogic Server Start Script: Review
- Practice 7-1: Investigating Application Problems
- Practice 7-1: Investigating Application Problems Part 2

### Troubleshooting JDBC

- Troubleshooting JDBC
- Database Cursor Considerations
- Practice 8-1: Investigating JDBC Problems Part 1
- Practice 8-1: Investigating JDBC Problems Part 2

### Troubleshooting Node Manager

- Troubleshooting Node Manager
- Node Manager Server Start and Health Monitoring Parameters: Review
- Practice 9-1: Investigating Node Manager Problems Part 1
- Practice 9-1: Investigating Node Manager Problems Part 2

### Troubleshooting Clusters

- Troubleshooting Clusters
- Proxy SSL Issues
- Cluster Communication: Review
- Session Monitoring Attribute
- Practice 10-1: Investigating Proxy Problems Part 1
- Practice 10-1: Investigating Proxy Problems Part 2
- Practice 10-2: Investigating Cluster Replication Problems Part 1
- Practice 10-2: Investigating Cluster Replication Problems Part 2

### Troubleshooting Security

- Troubleshooting Security
- Embedded LDAP Synchronization Issues
- Practice 11-1: Troubleshooting Changes by Using Auditing
- Recovering the Lost Admin Password Part 1
- Practice 11-2: Recovering the Lost Admin Password Part 2

### Oracle Cloud

- Oracle Cloud

### Oracle Java Cloud Service Overview

- Oracle Java Cloud Service Overview

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