

Oracle WebLogic Server 12c: Troubleshooting Workshop Ed 3

Course Duration: 16 Hours

Course Code: D99873GC30

1. Course Overview

The *Oracle WebLogic Server 12c: Troubleshooting Workshop Ed 3* course is designed to help IT professionals effectively identify, diagnose, and resolve common issues in Oracle WebLogic Server environments. This hands-on workshop provides in-depth knowledge and practical skills to troubleshoot real-world challenges, ensuring optimal system performance, availability, and reliability.

2. What You'll Learn?

By the end of this course, participants will be able to:

- Understand WebLogic Server architecture and its key components.
- Diagnose and resolve server startup, configuration, and deployment issues.
- Troubleshoot JVM performance problems and application-related errors.
- Analyze and interpret diagnostic data using built-in tools.
- Resolve clustering, security, and connectivity-related challenges.
- Implement best practices for monitoring and performance tuning.

3. Target Audience

This course is best suited for:

- Middleware Administrators
- System Administrators
- Support Engineers
- Technical Consultants
- IT Professionals responsible for WebLogic Server environments

4. Pre-Requisites

To get the most out of this course, learners should have:

- Basic knowledge of Oracle WebLogic Server administration
- Familiarity with networking, operating systems (Linux/Windows), and Java concepts
- Completion of **Oracle WebLogic Server 12c: Administration I** or equivalent knowledge

5. Course Content

Module 1: Introduction to Troubleshooting WebLogic Server

- Troubleshooting methodology and tools overview
- Understanding server logs and diagnostic framework

Module 2: Server Startup and Configuration Issues

- Common startup problems
- Troubleshooting configuration files and boot identity

Module 3: Application Deployment and Performance Issues

- Analyzing deployment failures
- Identifying performance bottlenecks

Module 4: JVM and Memory Troubleshooting

- Heap, GC, and thread dump analysis
- Memory leak detection and resolution

Module 5: Clustering and High Availability Troubleshooting

- Diagnosing clustering issues
- Load balancing and failover problems

Module 6: Security and Connectivity Troubleshooting

- Troubleshooting authentication and authorization
- Resolving JDBC and JMS connectivity problems

Module 7: Monitoring and Best Practices

- Using WLDF, JVisualVM, and other monitoring tools
- Proactive troubleshooting strategies

