



Oracle WebLogic Server 12c: Troubleshooting Workshop

This Oracle WebLogic Server 12c: Troubleshooting Workshop training teaches administrators how to diagnose and troubleshoot Oracle WebLogic Server 12c problems and issues. Emphasizing hands-on practices rather than lectures, the course requires prior WebLogic Server 12c administration experience.

Learn How To:

- Diagnose WebLogic Server problems.
- Enable debugging for a WebLogic Server feature.
- Troubleshoot common WebLogic Server problems.

Benefits to You

Knowing how to diagnose and troubleshoot Oracle WebLogic Server issues increases the performance and scalability of your organization's applications and services.

Use Troubleshooting Tools

You learn how to use tools to assist in troubleshooting, including the WebLogic Server Administration Console, the Monitoring Dashboard, and the WebLogic Diagnostic Framework. In hands-on practices, you solidify your understanding of new topics by learning how to apply this knowledge to your daily job.

Practice Troubleshooting Problems

Enrolling in this course gives you a chance to practice troubleshooting problems. You'll use Oracle WebLogic server itself, along with the Java Virtual Machine, deployment of Java Enterprise Edition applications, Java Database Connectivity, Node Manager, WebLogic Server clusters, and WebLogic Server security.

Prerequisites

Suggested Prerequisite

- System administration experience

- Basic knowledge of UNIX commands and navigation

Required Prerequisite

- Oracle WebLogic Server 12c: Administration I

Audience

- Administrator
- Systems Administrator

Objectives

- Configure and analyze diagnostic harvesters and monitors.
- Troubleshoot common Java Virtual Machine problems.
- Troubleshoot Node Manager problems.
- Troubleshoot JDBC problems.
- Troubleshoot WebLogic Server security problems.
- Troubleshoot WebLogic Server cluster problems.

Topics

- Troubleshooting: Overview
 - Troubleshooting Tools
 - Troubleshooting Methodology
- WebLogic Server Diagnostic Framework: Overview
 - WLDF: Overview
 - Metric Collectors
 - Review: Monitoring Dashboard
- Diagnostic Instrumentation
 - Monitors
 - Request Tracking
- JVM Troubleshooting
 - JVM: Overview
 - JVM Issues
 - JVM Tools
- Troubleshooting Servers
 - Server Diagnostics
 - Startup Errors
 - Threading Issues
 - Work Managers
 - Stuck Thread Detection
 - Overloaded Server Detection
- Troubleshooting Applications
 - Java Exceptions
 - Java Stack Traces
 - Library Issues
 - Common Java Errors
 - Application Diagnostics
- Troubleshooting JDBC
 - JDBC: Review
 - JDBC WLDF Monitoring: Review
 - Common Errors

- Data Source Availability
- JPA
- Troubleshooting Node Manager
 - Node Manager: Review
 - Node Manager Logging
 - Node Manager Monitoring
 - Common Configuration Errors
 - Configuration of Node Manager Credentials
- Troubleshooting Clusters
 - Cluster Proxy Diagnostics
 - Common Proxy Problems
 - Session Replication Diagnostics
 - Session Monitoring
 - Session Instrumentation
 - Common Replication Issues
- Troubleshooting Security
 - Security Realm: Review
 - LDAP: Review
 - Security Realm Debug Flags
 - Auditing Provider