

Oracle WebLogic Server 12c: Troubleshooting Workshop

Duration: 2 Days

What you will learn

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.

Audience

Administrator

System Administrator

Technical Administrator

Related Training

Required Prerequisites

Oracle WebLogic Server 12c: Administration I

Suggested Prerequisites

Basic knowledge of UNIX commands and navigation

System administration experience

Course 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.

Course 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