Oracle WebLogic Server 12c: Troubleshooting Workshop

Duration: 2 Days

What you will learn

This course 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 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

Suggested Prerequisites
Basic knowledge of UNIX commands and navigation

System administration experience

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.

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