



Course Description

BEA WebLogic Server® 9/10: Monitoring and Performance Tuning

Course Details:

Course ID: WLS-A31-100
Format: Instructor-led training
Length: 5 days
Products: BEA WebLogic
Server 9/10
Labs validated on: BEA WebLogic
Server 10

How to Enroll:

Americas:
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After taking **BEA WebLogic Server® 9/10: Monitoring and Performance Tuning**, students will have the skills to:

- Understand the WebLogic Diagnostic Framework (WLDF) architecture
- Create and configure ways to generate, gather, access, and persist diagnostic data
- Use the BEA WebLogic diagnostic console extension
- Instrument the server and applications
- Filter log events
- Tune Operating System (OS) level parameters, Java Virtual Machine (JVM) parameters, BEA WebLogic Server parameters, and application parameters for better performance

Course highlights

This course trains developers, architects and BEA WebLogic Server administrators to tune the various aspects of BEA WebLogic Server to attain optimal performance. This course also trains BEA WebLogic Server administrators on the BEA WebLogic Diagnostics Framework. Students will learn how data is generated, gathered, analyzed, and saved through the use of data harvesters, watches and notifications, collected metrics, image captures, server instrumentation, and data archivers.

Who should attend this course

- BEA WebLogic Server administrators, developers, and architects

Prerequisites

- BEA WebLogic Server System Administration course or equivalent experience

BEA courseware that fulfills these prerequisites

- BEA WebLogic Server 9/10: System Administration (WLS-A11-100)

Recommended knowledge

- Basic knowledge of Java programming language

BEA courseware that provides this recommended knowledge

- Fundamentals of Java Using Eclipse (JAVA-D11-50)
- BEA WebLogic Server 9/10: J2EE Programming with Servlets and JSPs in Eclipse (WLS-D12-100) or BEA WebLogic Server 9.0: J2EE Programming with Servlets and JSPs (WLS D11-90)
- BEA WebLogic Server 9.0: Developing EJBs in Eclipse (WLS-D15-90) or BEA WebLogic Server 9.0: J2EE Programming with EJBs (WLS D21-90)

Skill students will learn

- Configure and capture diagnostic images
- Harvest data from MBeans
- Create watches and notifications
- Configure server-scoped instrumentation
- Configure diagnostic context
- Configure dye vectors and set up dye filtering
- Tune parameters on BEA WebLogic Server
- Understand the impact of Work Managers on the performance of applications deployed on BEA WebLogic Server

Topics covered

- Diagnostic system modules
- Diagnostic images and archives
- Diagnostic archives
- Data harvesters
- Watches and notifications
- Server-scoped instrumentation
- Dye filtering
- The use of throttling to control the volume of instrumentation events
- Benchmarking and stress testing
- Core BEA WebLogic Server tuning
- Clustering for performance on BEA WebLogic Server

Additional courseware of interest

- BEA WebLogic Server 9/10: Management Services (WLS-A61-100)
- BEA WebLogic Server 9/10: Advanced Messaging (WLS-A66-100)
- BEA WebLogic Server 9/10: Advanced Security (WLS-A67-100)

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About BEA

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