



Course Description

BEA WebLogic Server® 9.1: Monitoring and Performance Tuning

Course Details:

Course ID: WLS-A31-91
Format: Instructor-led Training
Length: 5 days
Product: BEA WebLogic Server 9.1

How to Enroll:

Americas:
Web: <http://education.bea.com>
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After taking the **BEA WebLogic Server® 9.1: Monitoring and Performance Tuning** course, students will have the skills to:

- Understand the WebLogic Diagnostic Framework 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 OS level parameters, 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 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 the prerequisites

- BEA WebLogic Server Administration (WLS-A11-91)

Recommended knowledge

- Basic knowledge of Java programming language

BEA courseware that provides recommended knowledge

- Object-Oriented Programming with Java (JAVA-D11-00)
- BEA WebLogic Server 9.0: J2EE Programming with Servlets and JSPs in Eclipse (WLS-D12-90) 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)

Skills you 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 BEA courseware of interest

- BEA WebLogic Server 9.1: Management Services (WLS-A61-91)
- BEA WebLogic Server 9.1: Advanced Messaging (WLS-A66-91)
- BEA WebLogic Server 9.1: Advanced Security (WLS-A67-91)

About BEA Education Services

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About BEA

BEA Systems, Inc. (Nasdaq: BEAS) is a world leader in enterprise infrastructure software, helping enable companies to improve business responsiveness through Service-Oriented Architecture (SOA), a software design approach that more closely aligns IT with business objectives. With 15,000 customers worldwide including the majority of the Fortune Global 500, BEA and its WebLogic® and Tuxedo® brands are among the most trusted names in business technology. Headquartered in San Jose, Calif., BEA has 77 offices in 37 countries. More information on BEA products and services is available at www.bea.com.

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