

Red Hat JBoss A-MQ Development and Deployment (JB 437)

COURSE OVERVIEW:

Key concepts associated with JMS and Apache ActiveMQ/Fabric - including topologies, protocols, message groups, virtual destinations, failover and high-availability. Students will learn how Apache ActiveMQ/Fuse Message Broker can be used with multiple communication protocols and in numerous client-broker and broker-broker topologies.

- Red Hat JBoss A-MQ installation
- Client connectivity and broker networks
- High availability, reliability, and load balancing
- Security for JBoss A-MQ
- Performance Tuning
- Managing JBoss A-MQ networks with Fabric
- Java Message Service (JMS) enhancements
- Heterogeneous environments

WHO WILL BENEFIT FROM THIS COURSE?

Java developers and A-MQ administrators who need to understand how to build integration solutions with A-MQ, using message-oriented middleware with high performance and high availability capabilities.

PREREQUISITES:

- A basic understanding of distributed systems design challenges involving message-oriented middleware (MOM)
- A solid understanding of Java including Apache Maven and JBoss Developer Studio

COURSE OBJECTIVES:

Learn how Apache ActiveMQ can be used in heterogeneous environments and for web-application development.

COURSE OUTLINE:

Introduction to Red Hat JBoss A-MQ

- Introduce the main components and commands required to run and configure JBoss A-MQ.

Introduction to Java Message Service (JMS)

- Provide an overview of messaging in the Java environment.

Enhancements to JMS

- Become familiar with JBoss A-MQ enhancements to JMS.

Increasing performance in A-MQ

- Perform tasks to tune performance.

Implementing security in Red Hat JBoss A-MQ

- Increase availability and reliability using load balancing and other strategies.

Managing A-MQ Networks with Fabric

- Manage JBoss A-MQ networks with Fabric.

Connecting to A-MQ using JMS

- Connect to JBoss A-MQ using JMS.

Enhancements to JMS

- Learn about enhancements to JMS.

Heterogeneous Environments

- Describe programming technologies used in heterogeneous environments.

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