



JBoss Application Administration I

Course ID #: 7000-032-ZZ-Z

Hours: 35

Course Content

Course Description:

In this course, you will learn the best practices for installing and configuring JBoss Enterprise Application Platform (JBoss EAP 7). Through hands-on labs, you will learn the essential, real-world tasks that a system administrator needs to know to effectively deploy and manage applications on JBoss Enterprise Application Platform. After completing this course, you will be prepared to take the JBoss Certified Application Administrator (JBCAA) exam.

Course Objectives:

Upon completion, students will be able to:

- Install and run JBoss EAP 7 in standalone mode and domain mode
- Configure a domain
- Deploy applications to JBoss EAP 7
- Configure the datasource subsystem
- Configure Java Message Service (JMS) and HornetQ
- Configure the logging subsystem
- Configure the web subsystem
- Implement application security in JBoss EAP 7
- Configure the batch subsystem
- Get an introduction to clustering

Target Audience:

System administrators who are either new to Red Hat JBoss and have experience with JBoss Enterprise Application Platform 6

Prerequisites:

To ensure your success in this course, you should have:

- Basic experience with system administration on Microsoft Windows, UNIX, or Linux operating systems
- Understanding of hardware and networking
- No prior knowledge of Java, scripting, or JBoss Developer Studio is required



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Topics:

Overview of JBoss Enterprise Application Platform

- Learn the concepts and terminology of JBoss Enterprise Application Platform (JBoss EAP) 7
- Install and run a JBoss Enterprise Application Platform instance
- Understand extensions, profiles, and subsystems

Configure JBoss Enterprise Application Platform in Standalone Mode

- Run and configure JBoss EAP in standalone mode
- Configure interfaces and socket binding groups

Script Configure and Deploy Applications

- Configure JBoss EAP with command line interface
- Deploying applications in standalone mode

Configure JBoss Enterprise Application Platform as a Managed Domain

- Run JBoss EAP as a managed domain
- Assign a domain controller
- Configure a host controller and domain controller

Configure Servers in a Managed Domain

- Manage domain server architecture
- Configure servers and server groups

Configure Datasources

- Explore the datasource subsystem and configure JDBC drivers, datasources, and an XA datasource

Configure the Logging Subsystem

- Configure loggers and logging handlers

Configure the Messaging Subsystem

- Explore the messaging subsystem
- Configure messaging resources, journals and other settings

Secure JBoss Enterprise Application Platform

- Configure a database security realm, an LDAP security realm, and password vault
- Secure a JMS Destination

Configure the Java Virtual Machine (JVM)

- Configure the JVM in standalone mode and in a managed domain

Configure the Web Subsystem

- Explore and configure the features of the web subsystem

Deploy Clustered Applications

- Explore clustered applications
- Configure subsystems that support clustered applications and configure load balancing
- Deploy HA Singleton applications

Configure the Batch Subsystem

- Explore and configure batch jobs and batch subsystem

Discover New Features in JBoss Enterprise Application Platform 7

- Explore the new features in JBoss EAP 7
- Migrate JBoss EAP 6 applications to JBoss EAP 7

Comprehensive Review of Red Hat JBoss Application Administration I

- Review the tasks in Red Hat JBoss Application Administration I