

Red Hat® JBoss Application Administration I (JB248)

Core training for administration of JBoss Enterprise Application Platform 6.

In this course, you will learn the best practices for installing and configuring JBoss Enterprise Application Platform 6. 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.

Note: JB248 replaces JB336. The topics in this course cover the exam objectives of the JBCAA exam.

What You'll Learn

- Install and run JBoss Enterprise Application Platform 6 in standalone mode and domain mode
- Configure a domain
- Deploy applications to JBoss Enterprise Application Platform 6
- Configure the datasource subsystem
- Configure Java Message Service (JMS) and HornetQ
- Configure the logging subsystem
- Configure the web subsystem
- Implement application security in JBoss Enterprise Application Platform 6
- Migrate JBoss Enterprise Application Platform 5 applications to JBoss Enterprise Application Platform 6
- Clustering

Who Needs to Attend

System administrators who are both new to JBoss and have experience with JBoss Enterprise Application Platform 5

Prerequisites

- 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

Follow-On Courses

There are no follow-ons for this course.

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- [RHCA - Red Hat® Certified Architect](#)
- [RHCJA - Red Hat Certified JBoss Administrator](#)

Course Outline

1. JBoss Enterprise Application Platform

- Concepts and terminology of JBoss Enterprise Application Platform 6
- Install and run a JBoss Enterprise Application Platform instance

2. Configuring JBoss Enterprise Application Platform in Standalone Mode

- Directory structure of standalone mode and the standalone.xml configuration file

- Deploy an application onto a standalone server
- 3. Configuring JBoss Enterprise Application Platform in Domain Mode**
- Set up a domain, including a domain controller managing multiple host controllers
 - Deploy an application onto a domain
- 4. Configuring Servers**
- Server group on a host
 - Add servers to a server group
 - Deploy an application to a server group
- 5. Command-line Interface (CLI) Tool**
- CLI tool used to script administrative tasks
- 6. Datasource Subsystem**
- Database connection pools in JBoss Enterprise Application Platform
 - Configure the datasource subsystem
 - Deploy a Java Database Connectivity (JDBC) driver and define a datasource
- 7. Logging Subsystem**
- Configure the logging subsystem, including configuring the built-in handlers and loggers
- 8. Messaging Subsystem**
- JMS and HornetQ
 - Define and configure connection factories and destinations (topics and queues)
- 9. Security Subsystem**
- Configure the security subsystem, including securing the management interfaces
 - Secure an application
 - Secure a JMS destination
 - Define an Lightweight Directory Access Protocol (LDAP) and database security realm
- 10. JVM Configuration**
- Configure the JVM for both standalone and domain modes
- 11. Migrating Applications to JBoss Enterprise Application Platform 6**
- Classpath and module dependencies
 - JPA issues
 - Updating security settings
 - Tips on how to migrate an application to JBoss Enterprise Application Platform 6
- 12. Web Subsystem**
- Configure the HTTP and HTTPS Connectors
 - Set up an SSL connection
 - Configure an AJP Connector
- 13. Clustering**
- Set up JBoss Enterprise Application Platform 6 in a cluster in both standalone and domain mode

Further Information:

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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