



## Red Hat® JBoss Application Administration I with RHCJA Exam (JB249)

### Learn to install, configure, and manage Red Hat JBoss Enterprise Application Platform and prepare for and take the RHCJA exam.

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. This course prepares you to take the Red Hat Certified JBoss Administration (RHCJA) exam and includes the exam at the end of class.

#### What You'll Learn

- Install and run JBoss Enterprise Application Platform 6 in stand-alone 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
- Get an introduction to clustering

#### Who Needs to Attend

- System administrators who are both new to JBoss or 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
- Prior knowledge of Java, scripting, or JBoss Developer Studio is not 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:

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

#### Course Outline

##### 1. Overview of JBoss Enterprise Application Platform

- Learn the concepts and terminology of JBoss Enterprise Application Platform 6, and install and run a JBoss Enterprise Application Platform instance.

##### 2. Configure JBoss Enterprise Application Platform in Stand-Alone Mode

- Learn about the directory structure of stand-alone mode and the standalone.xml configuration file, and deploy an application onto a stand-alone server.

##### 3. Configure JBoss Enterprise Application Platform in Domain Mode

- Set up a domain, including a domain controller managing multiple host controllers. Learn how to deploy an application onto a domain.

#### **4. Configure Servers**

- Define a server group on a host, add servers to a server group, and deploy an application to a server group.

#### **5. Use the CLI Tool**

- Learn how the command-line interface tool can be used to script administrative tasks.

#### **6. The Datasource Subsystem**

- Understand database connection pools in JBoss Enterprise Application Platform and how to configure the datasource subsystem. Learn how to deploy a Java Database Connectivity (JDBC) driver and define a datasource.

#### **7. The Logging Subsystem**

- Configure the logging subsystem, including configuring the built-in handlers and loggers.

#### **8. The Messaging Subsystem**

- Learn about JMS and HornetQ, including how to define and configure connection factories and destinations (topics and queues).

#### **9. The Security Subsystem**

- Configure the security subsystem, including securing the management interfaces, securing an application, and securing a JMS destination. Learn how to define a Lightweight Directory Access Protocol (LDAP) and database security realm.

#### **10. JVM Configuration**

- Configure the JVM for both stand-alone and domain modes.

#### **11. Migrating Applications to JBoss Enterprise Application Platform 6**

- Learn about classpath and module dependencies, JPA issues, updating security settings, and other tips on how to migrate an application to JBoss Enterprise Application Platform 6.

#### **12. The Web Subsystem**

- Configure the HTTP and HTTPS Connectors, set up an SSL connection, and configure an AJP Connector.

#### **13. Introduction to Clustering**

- Set up JBoss Enterprise Application Platform 6 in a cluster in both stand-alone and domain mode.

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves.

#### **Further Information:**

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

KENYA - [training.kenya@clclearningafrica.com](mailto:training.kenya@clclearningafrica.com)

TANZANIA - [training.tanzania@clclearningafrica.com](mailto:training.tanzania@clclearningafrica.com)

UGANDA - [training.uganda@clclearningafrica.com](mailto:training.uganda@clclearningafrica.com)

RWANDA - [training.rwanda@clclearningafrica.com](mailto:training.rwanda@clclearningafrica.com)

BURUNDI - [training.burundi@clclearningafrica.com](mailto:training.burundi@clclearningafrica.com)

ETHIOPIA - [training.ethopia@clclearningafrica.com](mailto:training.ethopia@clclearningafrica.com)