

## [JB248]: Red Hat JBoss Application Administration I

Length : 5 Days  
Delivery Method : Instructor-led (Classroom)

### Course Overview

Red Hat JBoss Application Administration I teaches you the best practices for installing and configuring Red Hat® JBoss® Enterprise Application Platform (JBoss EAP) 7. Through hands-on labs, learn the essential, real-world tasks that a system administrator needs to know to effectively deploy and manage applications on JBoss Enterprise Application Platform.

### Audience Profile

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

### At Course Completion

- 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

After completing this course, you should be prepared to take the Red Hat Certified JBoss Administration (RHCJA) exam.

### Recommended exam or training

- Red Hat Certified JBoss Administration (RHCJA) exam (EX248)
  - A RHCJA certification is earned when an IT professional has demonstrated the skills and knowledge to install, configure, monitor, manage, and deploy applications to JBoss Enterprise Application Platform and passes the RHCJA exam (EX248).

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## Pre-Requisites

- Base 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 required

## Course Outline

### Module 1: Overview of JBoss Enterprise Application Platform

#### Lessons

- 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

### Module 2: Configure JBoss Enterprise Application Platform in standalone mode

#### Lessons

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

### Module 3: Script configure and deploy applications

#### Lessons

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

### Module 4: Configure JBoss Enterprise Application Platform as a managed domain

#### Lessons

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

### Module 5: Configure servers in a managed domain

#### Lessons

- Manage domain server architecture
- Configure servers and server groups

### Module 6: Configure datasources

#### Lessons

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

### Module 7: Configure the logging subsystem

#### Lessons

- Configure loggers and logging handlers

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## **Module 8: Configure the messaging subsystem**

### **Lessons**

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

## **Module 9: Secure JBoss Enterprise Application Platform**

### **Lessons**

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

## **Module 10: Configure the Java Virtual Machine (JVM)**

### **Lessons**

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

## **Module 11: Configure the web subsystem**

### **Lessons**

- Explore and configure the features of the web subsystem

## **Module 12: Deploy clustered applications**

### **Lessons**

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

## **Module 13: Configure the batch subsystem**

### **Lessons**

- Explore and configure batch jobs and batch subsystem

## **Module 14: Discover new features in JBoss Enterprise Application Platform 7**

### **Lessons**

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

## **Module 15: Comprehensive Review of Red Hat JBoss Application Administration I**

### **Lessons**

- Review the tasks in Red Hat JBoss Application Administration I

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