

# JB248: Red Hat JBoss Application Administration I

**Course 6943 – 40 Hours**

## Overview

### Install, configure, and manage Red Hat JBoss Enterprise Application Platform

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 EAP.

After completing this course, you should be prepared to take the [Red Hat Certified Specialist in Enterprise Application Server Administration exam](#).

## On Completion, Delegates will be able to

- Installing and run JBoss EAP 7 in standalone mode and domain mode
- Configuring a domain
- Deploying applications to JBoss EAP 7
- Configuring the datasource subsystem
- Configuring Java™ Message Service (JMS) and HornetQ
- Configuring the logging subsystem
- Configuring the web subsystem
- Implementing application security in JBoss EAP 7
- Configuring the batch subsystem
- An introduction to clustering

## Who Should Attend

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

## Prerequisites

- Base experience with system administration on Microsoft Windows, UNIX, or Linux® operating systems
- Understanding of hardware and networking

**Note:** No prior knowledge of Java, scripting, or JBoss Developer Studio is required.

## Course Contents

### Overview of JBoss Enterprise Application Platform (JBoss EAP)

- Learn the concepts and terminology of JBoss EAP 7.
- Install and run a JBoss EAP instance.
- Understand extensions, profiles, and subsystems.

### **Configure JBoss EAP 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 EAP**

- 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 EAP 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.