

# Red Hat JBoss Application Administration I with exam

Kód kurzu: AD249

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 7. Through hands-on labs, learn the essential, real-world tasks that a system administrator needs to know to effectively manage applications on JBoss Enterprise Application Platform. This course includes the Red Hat Certified Specialist in Enterprise Application Server Administration exam (EX248). This course will cover best practices for installing and configuring Red Hat® JBoss® Enterprise Application Platform (JBoss EAP) 7. This hands-on class covers the real-world tasks that a system administrator needs to know to deploy and manage applications on JBoss EAP. The topics in this course cover all of the exam objectives of the Red Hat Certified Specialist in Enterprise Application Server Administration exam.

## Pro koho je kurz určen

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

## Co Vás naučíme

This course will cover best practices for installing and configuring Red Hat® JBoss® Enterprise Application Platform (JBoss EAP) 7. This hands-on class covers the real-world tasks that a system administrator needs to know to deploy and manage applications on JBoss EAP. The topics in this course cover all of the exam objectives of the Red Hat Certified Specialist in Enterprise Application Server Administration exam.

- Course content summary
- 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 Artemis
- Configure the logging subsystem
- Configure the web subsystem
- Implement application security in JBoss EAP 7
- Configure the batch subsystem
- Get an introduction to clustering

## Požadované vstupní znalosti

- 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

## Impact of this training

### Impact on the organization

This course is intended to develop the skills needed to minimize time to market for applications and to simplify administration tasks. These skills are suitable for organizations seeking to increase application stability and cut costs for managing applications.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

### Impact on the individual

As a result of attending this course, you should be able to manage JBoss® Enterprise Application Platform 7 in both standalone mode and a managed domain with both the EAP CLI and web console.

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Students should be able to demonstrate these skills:

- Install EAP 7 in standalone mode or as a managed domain.
- Configure the new batch subsystem.
- Administer the HornetQ messaging subsystem.
- Secure applications deployed on EAP.
- Customize server logging.
- Create and manage datasource connections to databases.
- Manage EAP clustering.

## Studijní materiály

Studijní materiál Red Hat

## Osnova kurzu

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

- Learn the concepts and terminology of JBoss EAP 7.

### Configure JBoss EAP in standalone mode

- Run and configure JBoss EAP in standalone mode.

### Script configure and deploy applications

- Configure JBoss Enterprise Application Platform with command line interface and deploy applications in standalone mode.

### Configure JBoss EAP as a managed domain

- Run JBoss EAP as a managed domain, assign a domain controller, and configure a host controller and domain controller.

### Configure servers in a managed domain

- Manage domain server architecture and 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 and configure messaging resources, journals, and other settings.

### Secure JBoss EAP

- Configure a database security realm, an LDAP security realm, and password vault.

### Configure the Java virtual machine

- 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, and 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.

### Comprehensive review of Red Hat JBoss Application Administration I

- Review the key tasks in JBoss Application Administration I.

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