Red Hat Certified JBoss Administration (RHCJA) Exam (EX248)

ID RH-EX248  Price US$ 400  Duration 4 hours

Who should attend

IT professionals who want to earn a credential that shows they have the skills and knowledge needed to install, configure, monitor, manage, and deploy applications to Red Hat JBoss EAP:

- Application server systems administrators
- Application administrators
- Application developers
- Deployment managers
- System architects
- Quality assurance engineers

grouped into categories to assist your preparation.

Install and manage JBoss EAP

- Install JBoss EAP to a specific location on a system
- Install additional, operating system specific native libraries to enhance JBoss EAP performance
- Configure minimal security requirements for accessing and managing JBoss EAP
- Access and manage JBoss EAP using the provided tools
- Configure and start a multi-node, multi-server JBoss EAP domain spanning at least two hosts with multiple servers per host

Configure JBoss EAP domains, hosts and servers

- Create and remove JBoss EAP domains, hosts and servers
- Start, monitor and stop individual JBoss EAP domains, hosts and servers
- Configure Java™ memory usage at the host, server group and server level

Configure JBoss EAP to support clustered and HA operation

- Configure persistent network bindings for JBoss EAP services (both addresses and ports)
- Configure high-availability clustering using either TCP unicast or UDP multicast

Prerequisites

- Be a RHCSA or have comparable work experience and skills (RHCE would be even better)
- Have taken the JBoss Administration I (JB248) course or have work experience administering Red Hat JBoss EAP and applications running on that platform

Recommended Training

Red Hat JBoss Application Administration I + EX248 (JB249) Red Hat JBoss Application Administration I (JB248)

Course Objectives

Using Red Hat JBoss EAP, RHCJA exam candidates should be able to accomplish the tasks below without assistance. The tasks have been

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- Configure JBoss EAP domains, hosts and servers
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networking
- Secure the communications channels between clustered nodes
- Configure an Apache based load balancer for handling HTTP session fail over in a HA environment

Monitoring and managing JBoss EAP
- Create and restore configuration snapshots
- Configure JBoss EAP logging
- Configure and secure JBoss EAP JMX interface for external monitoring

Configuring Java Messaging Service
- Create and configure JMS topics and queues
- Secure access to JMS destinations

Manage applications
- Select appropriate JBoss EAP server profiles based on application requirements
- Configure DataSources (both XA and non-XA compliant)
- Deploy and undeploy applications
- Deploy and undeploy additional libraries and drivers
- Deploy a web application to the root context

Configure JBoss Web Connectors
- Tune and configure JBoss EAP web connector properties as requested
- Configure Apache integration with JBoss EAP
- Configure an SSL encrypted connection

Configure JBoss EAP security
- Create, modify, and use security domains
- Connect JBoss EAP to specified external security sources such as LDAP and DBMS

Course Content
The Red Hat® Certified JBoss® Administration (RHCJA) exam (EX248) is a performance-based exam that tests your knowledge and skills to install, configure, monitor, manage, and deploy applications to Red Hat JBoss Enterprise Application Platform (EAP).

RHCJA certification is for system administrators or application developers whose responsibilities include the deployment, implementation, and management of Red Hat JBoss EAP and its applications.

This exam is based on Enterprise Application Platform 6.3.