

## JBoss Application Administration II

### Course Summary

#### Description

JBoss Application Administration II prepares experienced system administrators to provision and manage Red Hat JBoss Enterprise Application Platform 6 in large-scale production environments.

Learn about clustering, performance tuning, and securing enterprise application platform instances, as well as troubleshooting and applying fixes.

Skills Gained:

- Install JBoss Enterprise Application Platform 6 and optional components.
- Learn about clustering with an emphasis on tuning.
- Deploy to production and cloud environments.
- Script with CLI.
- Monitor and manage resources for Enterprise Application Platform.
- Manage, cluster, and tune a HornetQ messaging system.
- Configure security settings that include authentication, authorization, networking, and the management interfaces.

#### Topics

- Clustering
- Deployment
- Scripting
- Management
- Messaging
- Security
- Overview of JBoss Operations Network
- Managing inventory
- Monitoring resources
- Reporting

#### Audience

This course is designed for experienced system administrators responsible for deploying and administering JBoss Enterprise Application Platform 6 in large-scale production environments. At least 2 years' experience as a JBoss Enterprise Application Platform administrator JBoss Certified Application Administrators (EAP 6)

#### Prerequisites

- JBoss Application Administration I (JB248) (highly recommended)
- JBoss Certified Application Administrator (JBCAA) Enterprise Application Platform 6 status is recommended but not required; students should at least be able to accomplish the tasks associated with the JBAAA EAP 6 exam (EX248).
- Note: Due to the significant management and operational changes between EAP 5 and EAP 6, it is highly recommended that students attend the JB248 course before attending this course.

#### Duration

Four days

## JBoss Application Administration II

### Course Outline

#### I. Installation

- A. Given the proper installation media, perform Red Hat® JBoss® Enterprise Application Platform 6 installations that are repeatable, upgradeable, and silent.

#### II. Clustering

- A. Demonstrate a proficient knowledge of clustering components, their configuration, and application to clustered architectures.

#### III. Deployment

- A. Deploy an application in various types of production environments.

#### IV. Scripting

- A. Script various configuration and management scenarios using command line interface (CLI).

#### V. Management

- A. Use various tools to monitor and manage JBoss Enterprise Application Platform.

#### VI. Messaging

- A. Learn how to manage supported messaging systems.

#### VII. Security

- A. Configure security settings that include authentication, authorization, networking, and the management interfaces.

#### VIII. Overview of JBoss Operations Network

- A. Learn the functionality of JBoss Operations Network and its use cases. Also learn how to install a JBoss Operations Network Server, an Agent, and Agent Plug-ins

#### IX. Managing inventory

- A. Learn how to use the various types of groups available in JBoss Operations Network to organize and manage imported resources. Also learn how to customize the JBoss Operations Network dashboard.

#### X. Monitoring resources

- A. Learn how to use JBoss Operations Network to monitor managed resources, including defining alerts, baselines, and notifications

#### XI. Reporting

- A. Learn the reporting features of JBoss Operations Network.