# INTRODUCTION TO RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM 8 (AD258)

Course Code: 832035

AD258- An introduction of the features provided by Red Hat JBoss EAP 8, and how to perform basic management of EAP 8 services.

Introduction to Red Hat JBoss Enterprise Application Platform 8 introduces you to the features of Red Hat JBoss Enterprise Application Platform (JBoss EAP) 8. Through hands-on labs, learn some essential, real-world tasks that a system administrator needs to know to effectively deploy and manage applications on JBoss EAP.

This course provides an introduction to the latest Red Hat JBoss EAP features, and presents the options to evolve JakartaEE infrastructures by migrating, refactoring, or redeploying the existing applications to different platforms.

AD258 helps an organization to decide how to evolve its JakartaEE infrastructure by focusing in three areas:

- The migration and migration tools to move the applications and the application servers to JBoss EAP 8
- The new Elytron security subsystem
- Use JBoss EAP on hybrid clouds, with focus on Red Hat OpenShift

This course is based on Red Hat JBoss® Enterprise Application Platform 8.0.

## What You'll Learn

After completing this course, learners should be able to:

- Install and Manage Red Hat JBoss Enterprise Application Platform 8
- Understand the Migration to JBoss EAP:
- Identifying the Main Points in a Migration to JBoss EAP 8
- Migration Toolkit for Applications (MTA)
- Server Migration Tool
- Understand JBoss EAP Security:
- Introduction to Elytron and the JBoss EAP Security
- Migration to Elytron
- TLS in Management and HTTP interfaces

- RBAC in management and HTTP interfaces
- Understand JBoss EAP on OpenShift:
- Deploy JBoss EAP Applications on Hybrid Clouds
- Configuring and Trimming JBoss EAP for Applications on OpenShift
- The JBoss EAP Operator

## Who Needs to Attend

- System administrators that manage Java application servers
- Developers that create JakartaEE applications
- Automation architects, cloud administrators, and platform engineers that design and automatize the organization's Java applications infrastructure

## Prerequisites

- Basic experience in Linux is required, or completion of the Red Hat System Administration I (RH124) course
- Basic programming concepts related to Java, and JakartaEE/JavaEE specifications is required, or completion of the Red Hat Application Development I: Programming in Java EE (AD183) course
- Basic JBoss EAP administration experience is required
- Basic Red Hat OpenShift or Kubernetes experience is required, or completion of the Introduction to OpenShift Applications (DO101) course

Confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at Red Hat Skills Assessment

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| VIRTUAL CLASSROOM LIVE | $3,055 CAD | 3 Day |
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## Virtual Classroom Live Outline

**Installing and Managing Red Hat JBoss Enterprise Application Platform 8**

- Install and manage a Red Hat JBoss Enterprise Application Platform server, and explore a key set of the latest features that it provides

**Migration to JBoss EAP: Identifying the Main Points in a Migration to JBoss EAP 8**

- Describe the main issues to consider in a migration to JBoss EAP 8

**Migration to JBoss EAP: Migration Toolkit for Applications (MTA)**

- Analyze applications, measure migration efforts, and refactor Java package names by using the Migration Toolkit for Applications (MTA)

**Migration to JBoss EAP: Server Migration Tool**

- Migrate server configurations from previous JBoss EAP versions by using the JBoss EAP Server Migration Tool

**JBoss EAP Security: Introduction to Elytron and the JBoss EAP Security**

- Describe the JBoss EAP security architecture, and learn to use Elytron tools

**JBoss EAP Security: Migration to Elytron**

- Identify legacy security components that need to migrate to Elytron, and use the Elytron CLI tool to help with the migration

**JBoss EAP Security: TLS in Management and HTTP interfaces**

- Configure and manage TLS connections on JBoss EAP servers to applications and to the management interfaces

**JBoss EAP Security: RBAC in management and HTTP interfaces**

- Configure role-based authorization for all the exposed interfaces on a JBoss

EAP server

**JBoss EAP on OpenShift: Deploy JBoss EAP Applications on Hybrid Clouds**

- Deploy JBoss EAP applications on hybrid clouds, including public clouds and container-based OpenShift environments, by using either the Maven plug-in or a Helm chart

**JBoss EAP on OpenShift: Configuring and Trimming JBoss EAP for Applications on OpenShift**

- Configure JBoss EAP applications and trim the capabilities of their JBoss EAP runtimes on OpenShift in order to optimize performance and improve security, by using environment variables and Helm charts

**JBoss EAP on OpenShift: The JBoss EAP Operator**

- Install the JBoss EAP operator on OpenShift, and use it to deploy and monitor JBoss EAP applications

## Virtual Classroom Live Labs

- Labs are provided by RedHat for this course

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| ON-DEMAND | $2,698 CAD |
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## On-Demand Outline

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- Install and manage a Red Hat JBoss Enterprise Application Platform server, and explore a key set of the latest features that it provides

**Migration to JBoss EAP: Identifying the Main Points in a Migration to JBoss EAP 8**

- Describe the main issues to consider in a migration to JBoss EAP 8

**Migration to JBoss EAP: Migration Toolkit for Applications (MTA)**

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- Migrate server configurations from previous JBoss EAP versions by using the JBoss EAP Server Migration Tool

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**JBoss EAP Security: RBAC in management and HTTP interfaces**

- Configure role-based authorization for all the exposed interfaces on a JBoss

EAP server

**JBoss EAP on OpenShift: Deploy JBoss EAP Applications on Hybrid Clouds**

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**JBoss EAP on OpenShift: Configuring and Trimming JBoss EAP for Applications on OpenShift**

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**JBoss EAP on OpenShift: The JBoss EAP Operator**

- Install the JBoss EAP operator on OpenShift, and use it to deploy and monitor JBoss EAP applications

## On-Demand Labs

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Visit us at www.globalknowledge.com or call us at 1-866-716-6688.