Introduction to Red Hat JBoss Enterprise Application Platform 8

Course code: AD258

As of January 2026, only in-person Red Hat training is available for purchase under the original terms. Virtual training (VT) courses are offered exclusively as part of the annual RHLS Course subscription can be found here.How to schedule a virtual course in the Red Hat Learning Subscription can be found here.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 is based on Red Hat JBoss® Enterprise Application Platform 8.0.

Who is the course for

- 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

What we teach you

- Installing and Managing Red Hat JBoss Enterprise Application Platform 8
- Migration to JBoss EAP: Identifying the Main Points in a Migration to JBoss EAP 8
- Migration to JBoss EAP: Migration Toolkit for Applications (MTA)
- Migration to JBoss EAP: Server Migration Tool
- JBoss EAP Security: Introduction to Elytron and the JBoss EAP Security
- JBoss EAP Security: Migration to Elytron
- JBoss EAP Security: TLS in Management and HTTP interfaces
- JBoss EAP Security: RBAC in management and HTTP interfaces
- JBoss EAP on OpenShift: Deploy JBoss EAP Applications on Hybrid Clouds
- JBoss EAP on OpenShift: Configuring and Trimming JBoss EAP for Applications on OpenShift
- JBoss EAP on OpenShift: The JBoss EAP Operator

Required skills

- 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

Course 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

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- 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

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