



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Vous pouvez nous joindre ici**

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<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
REH_JB225	32 Hours (4 Jours)	€3,040.00

## Description

Intended for mid-level Java™ developers, JBoss® Enterprise Application Development (JB225) introduces you to Java EE 6 frameworks, specifications, and application programming interfaces (APIs).

## Objectifs

### Create, test, maintain Java EE-compliant applications

Learn how to create, test, and maintain Java EE-compliant applications from start to finish using the Eclipse-based [Red Hat® JBoss Developer Studio](#).

### Create a fully functional enterprise Java application

Comprehensive lectures and extensive use-case, hands-on labs introduce you to enterprise application development using [Red Hat JBoss Enterprise Application Platform 6](#), Contexts and Dependency I, Arquillian, JBoss Hibernate, RESTEasy, HornetQ, and other related technologies to create a fully functional enterprise Java application.

### Build a complete, multitier enterprise application

Learn how to build a complete, multitier enterprise application featuring a JavaServer Faces (JSF) 2 web-based front end, a Java API for Restful Web Services (JAX-RS) layer, an Enterprise JavaBeans (EJB) layer, and a Java Persistence API (JPA) persistence layer, leveraging best-practice design, coding, and testing techniques.

## Course content summary

- Build robust enterprise applications using JBoss middleware
- Build secure enterprise applications
- Integrate applications with back-end enterprise information and messaging systems
- Test with Arquillian
- Use Contexts and Dependency Injection (CDI) for seamless multitier applications
- Understand administration tasks for developers
- Leverage JBoss Developer Studio tools

## Audience

- Students with Java programming experience who want to enter enterprise Java development
- Experienced enterprise Java developers who are migrating to JBoss for the first time
- Experienced enterprise Java developers who want to upgrade their skill set using Java EE 6 and the latest Red Hat JBoss Enterprise Application Platform and Red Hat JBoss Developer Studio versions
- Students who want to use the class to help them prepare for the [Red Hat Certified JBoss Developer \(RHCJD\) exam \(EX225\)](#)

## Training Development

## Developer administration tasks for Red Hat JBoss Enterprise Application Platform 6

Use the new [Red Hat® JBoss® Enterprise Application Platform 6](#) administration interfaces and deployment models.

### Introduction to Red Hat JBoss Developer Studio

Leverage Red Hat JBoss Developer Studio tools to control servers and manage projects.

### Contexts and Dependency Injection

Build CDI-enabled applications.

### Testing

Test applications using JUnit and Arquillian.

### Session beans

Implement business logic using EJB.

### Web Services

Use JBoss Enterprise Application Platform implementations for JAX-WS support with RESTEasy and Simple Object Access Protocol (SOAP) to build web services.

### Messaging

Use HornetQ to add asynchronous messaging to enterprise components and develop message-driven beans.

### Persistence

Persist data with JPA and Hibernate.

### Web-based UI

Create a rich web UI using JSF 2 and RichFaces.

### Security

Secure applications using JBoss Enterprise Application Platform 6 and application security.

### Packaging and deployment

Understand deployment options for application packages built with JBoss Developer Studio for a variety of middleware servers.

**Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves.

## Prérequis

- Fluency in the Java programming language (Java SE 5 or 6), particularly annotations and object-oriented design
- Ability to read HTML and XML documents
- Basic experience with an integrated development environment (IDE) like Eclipse
- Basic knowledge of Asynchronous JavaScript + XML (Ajax) and Relational Database Management Systems (RDBMSs) is recommended but not required

## Options

[Red Hat Certified JBoss Developer \(RHCJD\) exam \(EX225\)](#)

[Red Hat JBoss Enterprise Application Administration II \(JB325\)](#)

## Dates de session

Sur demande. [Merci de nous contacter](#)

## Informations

### Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)