Enterprise Computing Solutions - Education Services

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Red Hat JBoss Enterprise Application Development I

CODE:	DURÉE:	PRIX H.T.:
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.