

# AD183 Red Hat Application Development I: Programming in Java EE

Course Content –

## **Transition to multi-tiered applications**

Describe Java EE features and distinguish between Java EE and Java SE applications.

## **Package and deploying applications to an application server**

Describe the architecture of a Java EE application server, package an application, and deploy the application to an EAP server.

## **Create Enterprise Java Beans**

Develop Enterprise Java Beans, including message-driven beans.

## **Manage persistence**

Create persistence entities with validations.

## **Manage entity relationships**

Define and manage JPA entity relationships.

## **Create REST services**

Create REST APIs using the JAX-RS specification.

## **Implement Contexts and Dependency Injection**

Describe typical use cases for using CDI and successfully implement it in an application.

## **Create messaging applications with JMS**

Create messaging clients that send and receive messages using the JMS API.

## **Secure Java EE applications**

Use JAAS to secure a Java EE application.

## **Comprehensive review of Red Hat JBoss Development I: Java EE**

Demonstrate proficiency of the knowledge and skills obtained during the course.