



# Red Hat Application Development I

In association with :  **redhat.**



## **Red Hat Application Development I**

**Duration:** 5 days

### **Prerequisites for this course**

- Proficiency in developing Java SE applications, with 2+ years of experience required
- Proficiency in using an IDE such as Red Hat Developer Studio or Eclipse
- Experience with Maven is recommended but not required

### **Outline for this course**

#### **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.

# Thank You