



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

- **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.



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