Red Hat Application Development I: Programming in Java EE with exam (AD184)

Category: Infrastructure & IT Operations | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Red Hat Application Development I: Programming in Java EE with exam (AD184) exposes experienced Java Standard Edition (Java SE) developers to the world of Java Enterprise Edition (Java EE).This course is based on Red Hat® Enterprise Application Platform 7.0. This course is a combination of Red Hat Application Development I: Programming in Java EE (AD183) and Red Hat Certified Enterprise Application Developer Exam (EX183). In this course, you will learn about the various specifications that make up Java EE. Through hands-on labs, you will transform a simple Java SE command line application into a multi-tiered enterprise application using various Java EE specifications, including Enterprise Java Beans, Java Persistence API, Java Messaging Service, JAX-RS for REST services, Contexts and Dependency Injection (CDI), and JAAS for securing the application.

About This Course

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This course is based on Red Hat® Enterprise Application Platform 7.0. This course is a combination of Red Hat Application Development I: Programming in Java EE (AD183) and Red Hat Certified Enterprise Application Developer Exam (EX183).

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Who Should Attend

This course is designed for Java developers who want to learn more about the specifications that comprise the world of Java Enterprise Edition (Java EE).

Learning Outcomes

Upon successful completion of this course, participants will be able to:

As a result of attending this course, you should be able to describe most of the specifications in Java EE 7 and create a component with each specification. You will be able to convert a Java SE program into a multi-tiered Java EE application. You should be able to demonstrate these skills:
Describe the architecture of multi-tiered Java EE applications.
Package Java EE applications and deploy to Red Hat JBoss Enterprise Application Platform with various tools.
Create an Enterprise Java Bean instance.
Manage the persistence of data using Java Persistence API.
Create a web service using JAX-RS.
Properly apply context scopes to beans and inject resources into Java Beans.
Store and retrieve messages using the Java Messaging Service.
Secure a Java EE application.

Detailed Course Outline

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.

Additional Course Details

Nexus Humans Red Hat Application Development I: Programming in Java EE with exam (AD184) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Red Hat Application Development I: Programming in Java EE with exam (AD184) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Red Hat Application Development I: Programming in Java EE with exam (AD184)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Red Hat Application Development I: Programming in Java EE with exam (AD184) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat Application Development I: Programming in Java EE with exam (AD184) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat Application Development I: Programming in Java EE with exam (AD184)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Application Development I: Programming in Java EE with exam (AD184). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Red Hat Application Development I: Programming in Java EE with exam (AD184)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat Application Development I: Programming in Java EE with exam (AD184) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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