

Training: Red Hat

JB422 Camel Integration and Development with Red Hat Fuse with EX421 exam

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	2950 EUR	5 days
Traditional	CTAB Tablet	3050 EUR	5 days

TRAINING GOALS:

Learn to develop, implement, test, and deploy applications utilizing enterprise integration patterns (EIP). JB421 Camel Integration and Development with Red Hat Fuse is a hands-on, lab-based course that gives Java™ developers and architects an understanding of Apache Camel and the enhancements and tools Red Hat offers in support of Camel development.

The EX421 Red Hat Certified Specialist in Camel Development exam is included in this course.

This course is based on Red Hat® Enterprise Linux® 7.5, OpenShift 3.9, Fuse 7.0, and Camel 2.21.

- Audience for this course:
- Java developers who need to learn how to use Camel, implement enterprise integration patterns (EIPs), and develop integration applications with Camel
- Java architects who need to understand how Apache Camel can be used in software architectures requiring integration between applications.

CONSPECT:

- Introduce Fuse and Camel
 - Describe how Fuse and Camel are used to integrate applications.
- Create routes
 - Develop simple Camel routes.
- Transform data
 - Convert messages between data formats using implicit and explicit transformation.
- Create tests for routes and error handling with Camel
 - Develop reliable routes by developing route tests and handling errors.
- Route with Java beans
 - Create dynamic routes in Camel using Java beans.
- Implement REST services

- Enable REST support on Camel with Java REST APIs.
- Deploy Camel routes
 - Package and deploy Camel applications for deployment with Red Hat Fuse.
- Implement transactions
 - Provide data integrity in route processing by implementing transactions.
- Implement parallel processing
 - Improve route processing throughput using Camel parallel processing mechanisms.
- Perform comprehensive review
 - Demonstrate use of the knowledge gained in this course through coding Camel routes.
- Exam.

REQUIREMENTS:

Red Hat recommends these prerequisites:

- Experience in developing and deploying Java EE 7 applications
- Experience with relational databases, JDBC, and SQL
- Experience with Java development tools such as Maven and Eclipse

Not sure if you have the correct skill-set knowledge? Find out by passing the online skills assessment:
<https://www.redhat.com/wapps/assessment/tx/begin?asmt=sysadmin&partner=compendium>

Difficulty level



CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

TRAINER:

Red Hat Certified Instructor.

ADDITIONAL INFORMATION:

Recommended next exam or course:

- EX421 Red Hat Certified Specialist in Camel Development exam