Fast Lane

Cloud-native Integration with Red Hat Fuse and Apache Camel (AD221)

ID AD221   **Preis** CHF 2'790.– (exkl. MwSt.)   **Dauer** 3 Tage

Zielgruppe

This course is designed for Java developers focused on implementing integration solutions in an enterprise.

Voraussetzungen

- Experience with Java application development or Red Hat Application Development I: Programming in Java EE (AD183).
- Be proficient in using an IDE such as Visual Studio Code.
- Experience with Maven and version control is recommended, but not required.
- Experience with Red Hat OpenShift or Introduction to OpenShift Applications (DO101) is recommended, but not required.

Kursziele

Impact on the organization

Accelerate cloud-native integration with Red Hat Fuse and Camel, resulting in less development time spent maintaining and designing integration solutions with enterprise patterns.

Impact on the Individual

As a result of taking this course, you will have a strong understanding of fundamental Camel concepts, commonly used Camel components and their configurations, and Camel deployment options. You will also develop a thorough grasp of enterprise integration patterns to solve integration problems.

You will be able to demonstrate these skills:

- Develop Camel routes to integrate systems such as JMS, FTP, Databases, and REST services.
- Filter and transform messages to create integration routes that are highly reliable.
- Develop tests and use mock components to thoroughly test routes.

- Create reliable routes by implementing transactional routes that prevent data loss.
- Deploy Camel routes to Red Hat OpenShift Container Platform.

Recommended next exam or course

Recommended for Developers:

- Red Hat Cloud-native Microservices Development with Quarkus (DO378)
- Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams (AD482)
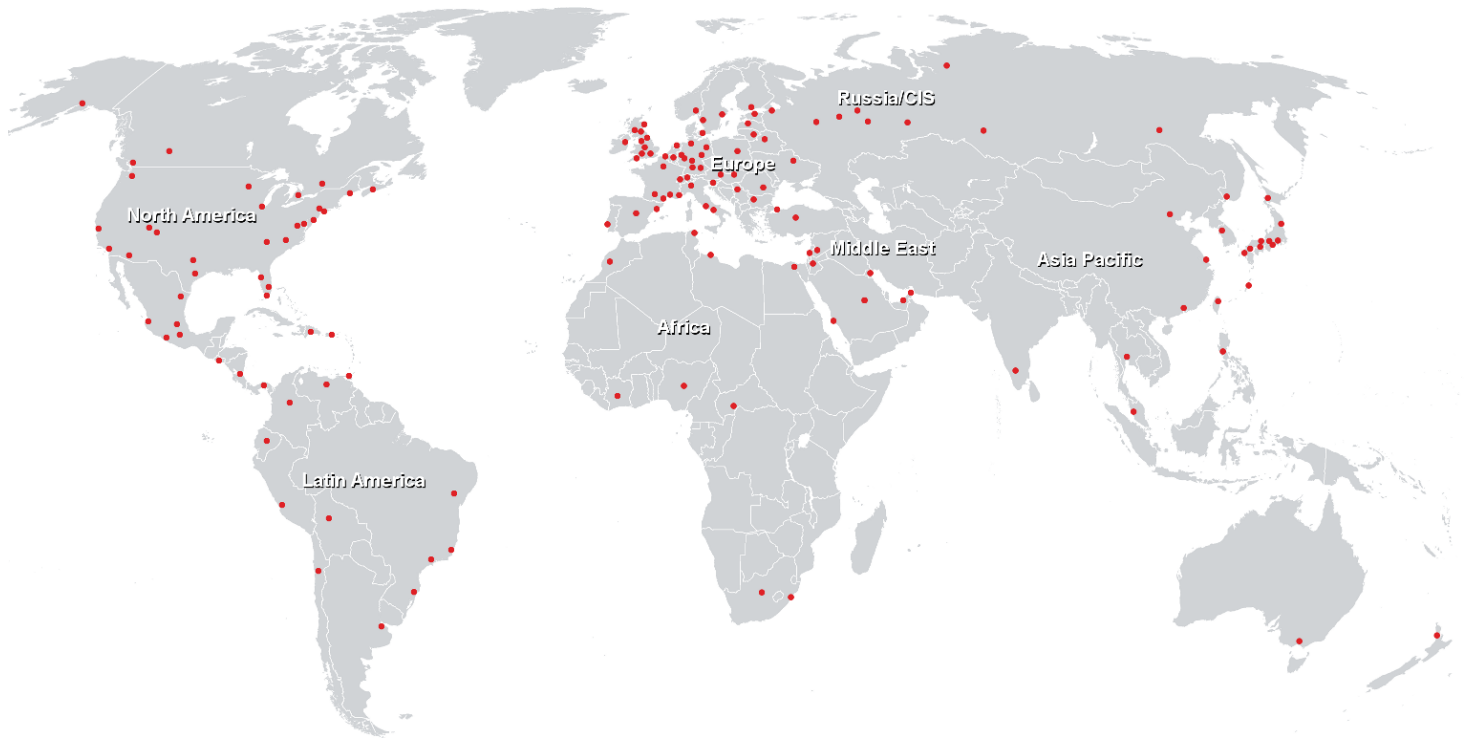
Recommended for Site Reliability Engineers or Administrators:

- Build and Administer APIs with Red Hat 3scale API Management (DO240)
- Red Hat JBoss AMQ Administration (AD440)
- Red Hat OpenShift I: Containers & Kubernetes (DO180)
- Red Hat OpenShift Development II: Containerizing Applications (DO288)
- Building Resilient Microservices with Istio and Red Hat OpenShift Service Mesh | DO328

Kursinhalt

- Deploy Fuse applications on Red Hat OpenShift Container Platform
- Implement REST APIs with the Camel REST DSL
- Implement unit tests, error handling, and mocks for Camel routes
- Implement Enterprise Integration Patterns (EIP) using Camel components
- Integrate Camel applications with a database
- Integrate Camel applications with Apache Kafka
- Integrate Cloud-native services using Camel K
- Consume REST services using the Camel HTTP componen

Weltweite Trainingscenter

Fast Lane Institute for Knowledge Transfer GmbH

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch