

Red Hat Certified Specialist in Cloud-native Integration

Course Outline

Introduction to Red Hat Fuse and Camel

Describe the architecture of Red Hat Fuse and Camel and how they are used to integrate applications.

Create Camel routes

Implement Camel routes and develop custom processors.

Implement enterprise integration patterns

Describe the most commonly used enterprise integration patterns and implement them using Camel components.

Create tests for routes and error handling

Develop reliable routes by creating unit tests and mocks, and by handling errors.

Integrate services using asynchronous messaging

Integrate microservices using Apache Kafka and ActiveMQ (JMS)

Implement transactions

Provide data integrity in route processing by implementing transactions.

Build and consume REST services

Implement and consume REST services with Camel.

Integrate cloud-native services

Deploy cloud-native microservices based on Camel Routes and Camel K components to an OpenShift cluster