

Camel Integration and Development with Red Hat Fuse on OpenShift (AD421)

Course Outline

Introduce Red Hat Fuse and Camel

Describe how Red Hat 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.

Create microservices with Red Hat Fuse

Create microservices from Camel routes.

Deploy microservices with Red Hat Fuse on OpenShift

Deploy microservices based on Camel routes to an OpenShift cluster using Red Hat Fuse on OpenShift.

Perform comprehensive review

Demonstrate use of the knowledge gained in this course by coding Camel routes.