

CLOUD-NATIVE INTEGRATION WITH RED HAT FUSE AND APACHE CAMEL (AD221)

Course Code: 821717

Learn to Integrate applications and services with Red Hat Fuse and Camel.

Integrate applications and services with Red Hat Fuse and Camel

Red Hat Fuse, based on the Apache Camel project, is a lightweight, flexible integration platform that enables rapid integration of cloud-native applications, both on-premise and in the cloud.

Camel development is organized around:

- Routes that define a sequence or flow of processing.
- Processors that transform, interpret, and modify messages within a Camel route.
- Components that enable the creation of endpoints that interact with the outside world for acquiring and transmitting data.

Cloud-native Integration with Red Hat Fuse (AD221) emphasizes learning architectural patterns and implementing integration services based on Apache Camel and OpenShift. Camel and Red Hat Fuse enable developers to create complex integrations in a simple and maintainable format. You will learn how to use the most common integration components in Camel and develop, test, and deploy integration focused applications on OpenShift. This course is based on Red Hat Fuse 7.10 and OpenShift 4.

What You'll Learn

- 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 component

Who Needs to Attend

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

Prerequisites

- 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.
- Take our free assessment to gauge whether this offering is the best fit for your skills.

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

Date created: 3/7/2026 10:50:21 AM

Copyright © 2026 Global Knowledge Training LLC. All Rights Reserved.