



## AD221 - Camel Integration and Development with Red Hat Fuse on OpenShift

- **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.

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