



AD482

Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams

Duration: 4 Days

Course description

Develop, scale, and troubleshoot event-driven microservice applications.

Learn to use Kafka and AMQ Streams to design, develop, and test eventdriven applications. Event-driven microservices scale globally, store and stream process data, and provide low-latency feedback to customers. This course is for application developers and is based on Red Hat AMQ Streams 1.8 and Red Hat OpenShift Container Platform 4.6.

Outline for this course

Designing Event-Driven Applications Describe the principles of event-driven applications.

- Introducing Kafka and AMQ Streams Concepts Build applications with basic read-and-write messaging capabilities.
- Building Applications with the Streams API Leverage the Streams API to create data streaming applications.
- Creating Asynchronous Services with Event Collaboration Create and migrate to asynchronous services using the event collaboration pattern.
- Integrating Data Systems with Kafka Connect Connect data systems and react to data changes using Kafka Connect and Debezium.
- Troubleshooting AMQ Streams Applications Handle common problems in Kafka and AMQ Streams applications.