AD483

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

Course description

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

Learn to use Kafka and AMQ Streams to design, develop, and test event-driven 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. The Red Hat Certified Specialist in Event-Driven Development with Kafka exam (EX482) is included in this offering.

Prerequisites for this course

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Base experience with system administration on Microsoft Windows, UNIX, or Linux® operating systems
- Basic understanding of TCP/IP networking
- No prior knowledge of Java or shell scripting is required.

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.