

# Developing Event-Driven Applications with Apache Kafka and Red Hat AMQ Streams with exam (EX482) (AD483)

ID AD483 Prix CHF 2 550,- (Hors Taxe) Durée 4 jours

## A qui s'adresse cette formation

Application developers with microservice development experience.

## Pré-requis

- Experience with microservice application development and design, such as [Red Hat Cloud-native Microservices Development with Quarkus \(DO378\)](#) or equivalent experience.
- OpenShift experience is recommended, but not required.

## Technology considerations

- BYOD classroom environment with access to the shared cluster.
- A cloud-based classroom environment will also be made available.

## Contenu

### 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.

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