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WD107: Deploying Event-Driven Applications with IBM Event Streams

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ERC 1.0

IBM

Welcome to WD107: Deploying Event-Driven Applications with IBM Event Streams

In this course, you learn how to deploy and manage event-driven applications with IBM Event Streams. IBM Event Streams uses Apache Kafka, an open-source streaming platform, with many value-added capabilities, to deploy production-ready applications.

This course is intended for system architects, developers, and network administrators who need to deploy, test, and monitor event-driven applications with IBM Event Streams.

Course prerequisites

- Basic understanding of event-driven architecture

- Experience working with REST APIs

- Working knowledge of Linux operating system

- Familiarity with Kubernetes and IBM MQ is helpful

Learning objectives

- Understand basic Kafka concepts

- Describe Event Streams components and architecture

- Describe some Event Streams use cases

- Install Event Streams

- Deploy, test, and monitor a sample application with Event Streams

- Connect Event Streams with IBM MQ

Course agenda

Day 1

Course introduction	00:20
Unit 1: Introduction to Kafka	01:00
Unit 2: IBM Event Streams overview	01:00
Unit 3: Getting started with Event Streams	00:40
Lab 1: Install Event Streams on IBM Cloud Private	01:00
Lab 2: Configure and explore Event Streams	01:00
Lab 3: Work with a load-producing application	00:30

Day 2

Unit 4: Using Kafka Connectors for IBM MQ	01:00
Lab 4: Use Kafka Source Connector for IBM MQ	02:00
Lab 5: Use Kafka Sink Connector for IBM MQ	02:00
Unit 5: Geo-replication	00:20
Unit 6: Monitoring logs	00:20
Lab 6: Monitor Event Streams logs	00:20

Introductions

- Name

- Company

- Where you live

- Your job role

- Your current experience with the products and technologies in this course

- Do you meet the course prerequisites?

- What you expect from this class

Class logistics

- Course environment
- Start and end times
- Lab exercise procedures
- Materials in your student packet
- Topics not on the agenda
- Evaluations
- Breaks and lunch
- Outside business

For classroom courses:

- Lab room availability
- Food
- Restrooms
- Fire exits
- Local amenities