



## Confluent Advanced Skills for Optimizing Apache Kafka

During this instructor-led, hands-on course, you will learn how to monitor, troubleshoot and tune a real-time, event-streaming platform built with Apache Kafka®. You will use industry best-practices to monitor, troubleshoot, and tune the components of Kafka and Confluent Platform to support your event-streaming applications. You will learn to utilize native tools, including Confluent Control Center as well as third-party software tools.

### Audience

This course is designed for engineers, system administrators, and operations staff responsible for in-depth monitoring, tuning and troubleshooting an event-streaming platform powered by Kafka.

### Pre-Requisites

Attendees should have deep knowledge of and hands-on experience with Kafka. An understanding of additional components that contribute to a real-time, event-streaming platform, such as Kafka Connect, KSQL and Kafka Streams applications is also required. It is recommended that students attend the Confluent Operations for Apache Kafka course prior to taking Confluent Advanced Skills for Optimizing Apache Kafka.

### Topics Covered

This intensive hands-on course will cover the monitoring, troubleshooting, and tuning of the major components of Apache Kafka and Confluent Platform environments including:

- Brokers
- Producers
- Consumers
- Apache ZooKeeper
- Kafka Streams
- Kafka Connect
- Confluent KSQL
- Confluent Schema Registry

Additional discussions will include:

- Determining Business Needs and SLAs

- Monitoring using JMX Metrics
- Monitoring with Confluent Control Center and third-party tools
- Recommending Troubleshooting Strategies
- Using Kafka Troubleshooting tools
- Analyzing Kafka Log Files
- Performing a Troubleshooting Post-mortem Analysis