

EDUCATION

Introduction to Setting Data in Motion with Confluent Cloud

Engagement Objectives

This one (1) day course is designed for anyone new to Confluent Cloud that needs practical hands-on experience and core knowledge, including accessing Confluent Cloud, creating and managing accounts, networking, security, data governance, client app connectivity, and more.

This course designed to facilitate, encourage, and promote rapid, expanding, and increasing mission critical activity in Confluent Cloud by Confluent customers, focused on, demonstrates the benefits and advantages of using Confluent Cloud, including how to create simple use cases, how to integrate Confluent Cloud with existing Kafka infrastructure, how to configure data governance, and how to secure and monitor clusters.

After this course, participants will be able to:



Access & Begin

Access and begin working in Confluent Cloud to create service and user accounts, clusters, topics, API keys, and more.



Describe

Describe a Confluent Cloud environment, including deployment options, pricing, cluster types, the Organization structure, the Environment level, and more.



Define

Define additional Confluent Cloud components, including Schema Registry, Connect, and ksqlDB.



Create

Use Stream Designer to create stream pipelines.

Prerequisites

1. This is a 100-level course and requires no or little prior working knowledge of Confluent Cloud. However, it is recommended participants complete Confluent's other 100-level course (Confluent Fundamentals for Apache Kafka®).
2. Participants are required to provide their own laptop computer with unobstructed internet access to fully participate in the class and to be able to work on hands-on labs during the class.

Topics in Detail

Module 01 - Introduction to Confluent Cloud

- Kafka Fundamentals
- Confluent Cloud - Fully Managed Service for Apache® Kafka
- Confluent Cloud Organization
- Confluent Cloud Accounts
- Lab Module 01: Introduction to Confluent Cloud

Module 02 - Access Confluent Cloud

- Confluent Cloud Console
- Confluent CLI
- Confluent Cloud REST APIs
- Kafka Clients
- Confluent Cloud Security
- Lab Module 02: Accessing Confluent Cloud

Module 03 - Confluent Cloud Components

- Schema Registry Fundamentals
- Connect Fundamentals
- ksqlDB Fundamentals
- Lab Module 03: Confluent Cloud Components

Module 04 - Stream Designer

- Introduction to Stream Designer
 - Creating a Pipeline
 - Exporting/Importing Pipeline Projects with SQL
 - Secrets, Security, and Limitations
 - Lab Module 04: Stream Designer
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