Introduction to Setting Data in Motion with Confluent Cloud

Duration: 1 Day Course Code: CFLTCLOUDG

Overview:

Unlock the full power of Confluent Cloud.

Designed to help teams scale mission-critical workloads quickly and securely, this course delivers the practical skills needed to maximize your streaming environment. You- ll learn architectural best practices, master fully managed tools including Schema Registry, Connectors, and Flink SQL and discover how to automate your infrastructure deployments using Terraform.

NB: Course included in course CONFLUENTCLOUD3G

Updated 9/2026

Target Audience:

This course is ideal for Data Engineers, Cloud/DevOps Engineers, Application Developers, and Data Architects looking to quickly master building, securing, and automating real-time streaming infrastructure on Confluent Cloud.

Objectives:

- After this course, participants will be able to:
- Apply best practices when designing their Confluent Cloud Organization.
- Set appropriate security configurations to their User and Service accounts using API Keys, RBAC, and ACLs.
- Use Confluent CLI and APIs to perform common operations.
- Manage Confluent Cloud components such as Schema Registry, Connectors, Kafka clusters and Environments.
- Perform stream processing in Confluent Cloud with Flink SQL.
- Automate the infrastructure deployment in Confluent Cloud using Terraform.

Prerequisites:

This is a basic level course and requires no or little prior working knowledge of Confluent Cloud.

Testing and Certification

None

Follow-on-Courses:

None recommended

Content:

Module 1: Introduction to Confluent Cloud

- Confluent Cloud - Fully Managed Service for Apache® Kafka
- Confluent Cloud Organization
- Confluent Cloud Accounts
- Lab Module 1: Introduction to Confluent Cloud

Module 2: Access Confluent Cloud

- Confluent Cloud Console
- Confluent CLI
- Confluent Cloud APIs
- Kafka Clients
- Confluent Cloud Security
- Lab Module 2: Accessing Confluent Cloud

Module 3: Confluent Cloud Components

- Schema Registry Fundamentals
- Connect Fundamentals
- Flink SQL Fundamentals Lab Module
- Lab Module 3: Working with Flink SQL, Connectors and Schemas

Module 4: Automate, Deploy, and Manage in Confluent Cloud

- Terraform and Confluent Cloud Provider
- Lab Module 4: Automation with Terraform

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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