

PROFESSIONAL SERVICES

Confluent Cloud – Advanced Architecture Workshop

Engagement Objectives

Confluent Cloud removes a lot of the operational complexity involved in architecting and designing a data in motion platform, however, there are still a number of topics to consider to ensure your investment is a success. By having a Confluent Professional Services expert work directly with your team during this critical early stage, you can greatly increase the chance of success, and make sure that you are following established best practices and design patterns. This workshop is the foundation of your journey with Confluent, during which we work with your team to assess your business and technical goals, and iterate on a streaming platform design that you will develop and implement. Calling on knowledge gained from hundreds of previous customer engagements, Confluent Professional Services will advise on how best to use each product component, share best practices and flag potential pitfalls.

Benefits

- Confluent validation that architecture is appropriate for your use case
- Knowledge transfer specific to your team's level of understanding
- An in depth review of your security requirements, discussion of Kafka security concepts, best practices and known pitfalls
- High level discussions on advanced Kafka architecture concepts
- Targeted recommendations specific to your business and use case
- Acceleration of design phase and time to value

Prerequisites

General

- Practical experience and or training can improve the value obtained from the workshop
- One or more staff having completed the Confluent Administrator & Developer training

Security

- An understanding of your security requirements
- Authentication by SSL, SASL/Kerberos or SASL/Plain, OAUTH
- At-rest and on the wire encryption
- Broker & Client authentication
- Necessary privileges for Kafka and Confluent Platform users

Who should attend?

- Software developers
- Operations staff responsible for an upcoming application deployment
- Architects
- Product/project owner
- Engineers and operations staff responsible for Kafka security.

Engagement Location & Timing

1. Engagement is delivered over 4 consecutive days on-site at the customer's premises
2. There are an additional 3-4 days non customer facing time included for session preparation, documentation development and review
3. The sessions may be conducted via remote sessions upon request

Engagement Activities

Pre-engagement survey and kick-off call

- Discuss your use cases
- Discuss your security requirement goals – encryption, authentication, and authorization
- Align on the engagement expectations and goals
- Prepare the final agenda
- Confirm logistics

Engagement workshop (sample agenda):

- Use case walkthrough
- Hardware sizing for KSQL, Kafka Streams, Confluent Replicator, Kafka Connect, Confluent Control center
- Data ingestion/exposure
- Hybrid Cloud cluster strategy
- Data modeling
- Transformation: data quality assessment, streaming transformation, enrichment
- Networking for public cloud and hybrid cloud
- Monitoring (non-Confluent Cloud-hosted components, infrastructure, end-to-end)
- Application design
- In-depth Security Design Session
- Governance design
- Discuss Data lineage
- Connecting self-hosted CP components to Confluent Cloud
- Connector tab enhancement

Discussion of considerations & recommendations, including the following:

- Patterns to guarantee data delivery and processing
- Integration with surrounding systems
- Approaches and tradeoffs in designing real-time stream processing applications

Knowledge Transfer and Documentation

Post-workshop, the Confluent expert will provide a peer-reviewed report with a written summary of their recommendations, which may include:

1. An architectural design for your use cases
2. Findings and best-practice recommendations
3. Design patterns around integrations, delivery, and processing
4. Scalability and high availability recommendations
5. Potential testing recommendations

Outcomes

- Agenda specific to your requirements
- On-site Workshop
- Confluent peer-reviewed best practice recommendations report
- Follow-up call to walk through the report

Out of Scope

Self-managed cloud discussion.

Self-managed Confluent Platform Architecture Workshop can be purchased separately. We also offer consulting modules covering cloud migration and hybrid cloud deployments.

Terms & Conditions

This engagement is governed by the terms and conditions specified in your order with Confluent.

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