



Confluent Professional Services

Application Architecture

Engagement Objectives

Architecting systems around realtime data and stream processing can be complex. By having a Confluent expert work directly with your architect and developers, you can greatly reduce that complexity, and improve the quality of the design you put into production.

This engagement takes the form of an in-depth workshop where a Confluent expert works with your team to assess your business and technical goals, calling on knowledge gained from previous customer use cases, and working with you to iterate on an application architecture design that you then develop and implement. The Confluent expert will advise on how best to use each product component, share best practices and flag potential pitfalls.

If your team is new to Confluent and Apache Kafka, a base level of knowledge is required to get the most out of the engagement. Having key staff complete the Confluent Developer training beforehand is essential to comprehend the concepts and Confluent architecture.

Who Should Be Involved?

Engineers and operations staff responsible for an upcoming Kafka cluster deployment

Prerequisites

- Upcoming or active Kafka-based projects
- A minimum of 3 months experience developing with Kafka
- One or more staff having completed the Confluent Developer training

Project Activities

- Pre-engagement survey and kickoff call
 - Align on engagement expectations and goals
 - Confirm logistics
- Use case walkthrough
 - Business purpose of your upcoming Kafka-based systems or applications
 - Discuss anticipated volume and characteristics of the data in your cluster, and how these will evolve over time
 - Type and quantity of producers and consumers of this data



- Discussion of considerations & recommendations, including the following:
 - Designing for scalability and high-availability
 - Patterns to guarantee data delivery and processing
 - Integration with surrounding systems
 - Approaches and tradeoffs in designing real-time stream processing applications.
- Post-engagement report delivery
 - Survey and follow-up call

Knowledge Transfer

At the end of the project, the Confluent expert will provide a written summary of their recommendations, which may include:

1. An architectural design for your use cases
2. Design patterns around integrations, delivery and processing
3. Scalability and high availability
4. Testing

Project Duration

Preparation call and work, followed by two days of direct, continuous interaction between a Confluent expert and the appropriate members of your technical team.

Project Location

On-site at customer's premises, in a room with a whiteboard and a screen, or projector. May be conducted via remote sessions upon request.

More Information

To discuss the Kafka Application Architecture consulting engagement, or any of the other services and training courses offered by Confluent, please contact us at contact@confluent.io.

Terms & Conditions

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