

Confluent Architecture Design Workshop

Engagement Objectives

To ensure the success of your Confluent investment, a Confluent expert will work directly with your Architect and Developers, improving the quality of the design you put into production and ensuring you are following established best practices and design patterns.

This engagement takes the form of an in-depth workshop where a Confluent Professional Services 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 a streaming application architecture design that can be developed and implemented. We will advise and guide your team 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 and Administrator training beforehand is essential to comprehend the concepts and Confluent Platform architecture.

Benefits:

- Confluent validation that architecture is correct for your use case
- Knowledge transfer specific to your teams level of understanding
- Targeted recommendations specific to your business and use case
- Acceleration of design phase and time to value

Who Should Attend?

- Developers and Engineers
- Administrators responsible for an upcoming Kafka cluster deployment
- Architects
- Product/Project Owner

Engagement Location & Timing:

This engagement is delivered over four days via remote sessions or onsite at the Customer's premises upon request.

Engagement Activities

Pre-engagement Kick-off Call:

- Align on engagement expectations and goals
- Preparation of final agenda
- Confirm logistics

Engagement Workshop (sample agenda):

- Use case walkthrough
- Architecture as-is and to-be discussion
- Data modeling
- Client review
- Kafka connect
- Additional platform components (Confluent Control Center, Confluent Replicator, etc.)
- Capacity planning
- Basic security practices
- Monitoring
- Operational topics e.g Kafka configurations and ZooKeeper tuning
- Deployment best practices
- Design KStreams apps
- How will Kafka Streams and/or ksqlDB be used: outline each application team's use

Discussion of Considerations & Recommendations, including the following:

- Design 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.
- Design an optimized stream processing topology
- KsqlDB query design
- Kafka Stream architecture design
- Deployment considerations for Kafka Streams applications

Knowledge Transfer & Outcomes:

Post-workshop, a Confluent expert will provide a summary of the workshop, which may include:

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

Out of Scope:

- In depth security review
- Advanced architecture concepts
- RBAC

Terms & Conditions:

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