

## PROFESSIONAL SERVICES

# Confluent Architecture Design Workshop

## Engagement Objectives

Architecting systems around real-time 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 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 an 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 Operations training beforehand is essential to comprehend the concepts and Confluent Platform architecture.

## Benefits

- Confluent validation that architecture is correct for your use case
- Confluent validation of infrastructure and sizing
- 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

## Prerequisites

- Upcoming or active Confluent-based project(s)
- A minimum of 3 months of experience developing with Kafka preferred
- One or more staff having completed the Confluent Operations & Developer training

## Who should attend?

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

## Engagement 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.

# Engagement Activities

## Pre-engagement survey and kick-off call

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

## Conduction of 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
- Security
- Multi-datacenter Architecture
- Monitoring
- Operational topics e.g Kafka configurations and zookeeper tuning
- Deployment best practices

## 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

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

## Terms & Conditions

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

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