Application Architecture

Engagement Objectives
Designing systems around realtime data and stream processing can be complex. This engagement will have a Confluent Kafka expert work alongside your technical teams to assess an upcoming or active Kafka-based project you’re planning. They will assess design trade-offs, share known best practices, and flag potential pitfalls with your team, to ensure that projects are designed and built right.

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
» Preengagement 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 realtime stream processing applications.
» Postengagement report delivery
  • Survey and followup call
Knowledge Transfer
At the end of the project, the Confluent engineer 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
Two days of direct, continuous interaction between a Confluent engineer and the appropriate members of your technical team.

Project Location
Onsite at customer’s premises, a room with a whiteboard and a screen, or projector.

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