PROFESSIONAL SERVICES

Migration Services

Engagement Objectives

Confluent Cloud delivers a resilient, scalable streaming service deployable in minutes, managed and maintained by Confluent. Confluent Cloud Migration Services are designed to help you smoothly migrate your existing Kafka deployment and Confluent Platform components to Confluent Cloud. This engagement will have a Confluent Professional Services expert working alongside your technical teams to create a plan and discuss migration steps and procedures.

Benefits

- De-risk, accelerate and simplify the migration process to ensure you maximize the value you realize from Confluent

- Develop a robust action plan to migrate

- Achieve peace of mind knowing the migration process will be supervised by Confluent Certified Administrators

- Understand the Confluent Cloud features and their value to your architecture, data in motion use cases, and business

Prerequisites

- Have an understanding of Confluent Cloud client connectivity and security features

- Active Kafka clusters that are either in production or at least in dev/staging. One cluster as the "source" and the other as the "destination" in Confluent Cloud

- Security: TLS keypairs and CAs work in Java keystores and truststores, Plan ACLs that need to be created

- One or more staff having completed either the Confluent Developer training or Confluent Administrator training, OR a minimum of 3 months experience developing with and/or operating Kafka

- Operations, networking and security personnel available to help with issues

Who should attend?

- Product/Project owner

- Architects

- Operations team members responsible for managing Kafka/ Confluent components

Engagement Location & Timing

- This is a custom scoped engagement and, as such, the final project scope, and duration is determined as part of a requirements gathering process between Confluent and the Customer.

- Engagement location requirements to be determined during the scoping process

SAMPLE Engagement Activities

Pre-engagement survey and kick-off call

- A review and alignment on the engagement expectations and goals
- Review environments to be migrated
- Confirm logistics

Activities:

- Review of Current architecture pre and post-migration
- Security settings pre and post-migration
- Discuss "what-if" scenarios during the migration
- Discuss various ways to migrate your data to Confluent Cloud
- Discuss migration strategy of Confluent clients with minimal downtime
- Review or create a migration plan
- Kafka topics — which to migrate and which to not migrate, partition count, replication factor, etc.
- Confluent Replicator installation, configuration and best practices
- How to switchover clients with no data loss and minimal downtime. In rare instances, this may require configuration or code changes to your applications and deployments before the migration to prepare for the migration; for example, to migrate committed offsets correctly. A "client" is a producer, consumer, Kafka Streams application, ksqlDB application or Kafka Connect (including Replicator) cluster.
- Security — authentication, encryption, access control
- Review Sizing to ensure the Confluent Cloud cluster will be able to support target throughput
- Review ways to monitor the migration and the Confluent Cloud cluster leveraging Confluent Control Center

Direct guidance of migration work:

Sometimes migrations are simple and can be completed in a day. Sometimes migrations are more complex and require multiple steps over days or weeks. Direct guidance time will be used for a combination of working directly with your team on migration work and planning for a longer migration.

Note: This migration might require sending data across the internet.

Knowledge Transfer

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

- Proposed migration strategy as a step-by-step guide
- Miscellaneous recommendations made during the engagement

Outcomes

- Agenda specific to your requirements
- A migration plan
- Assistance with migrating as determined by the final scope

Out of Scope

- Architecture re-design and diagrams
- Security strategy for clients outside of Confluent
- Cloud Model Deep dive of topics outside of the final scope
- Assistance with migrating environments beyond the final scope
- Code development
- Client Code Changes

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