Confluent Cloud Migration Services
Confluent Platform/Open Source Kafka to Confluent Cloud

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 in Confluent Platform (“CP”) or Open Source Kafka (“OSK”) to Confluent Cloud (“CC”). This engagement will have a Confluent Professional Services expert working alongside your technical teams to create a plan, discuss migration steps and procedures, and assist with data and application migration.

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

Who should attend?
• Product/Project owner
• Architects (data, security, networking)
• Operations team members responsible for managing Kafka/Confluent components

Prerequisites
• Have an understanding of Confluent Cloud client connectivity and security features
• Active non-production Kafka cluster as the "source" (CP/OSK) environment
• One or more staff having completed the Confluent Developer or Confluent Administrator training, OR a minimum of 3 months experience developing with and/or operating Kafka
• Resources are within Confluent Cloud boundaries (i.e. unique schemas, service accounts, api keys, connectivity)
• Operations, networking and security personnel are available to help with issues

Engagement Location & Timing
• Engagement may be delivered remotely unless otherwise agreed on by the parties
• Engagement delivered with Confluent Consultant for nine (9) days with Engagement Management
• Sometimes migrations are more complex and require multiple steps over days/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
Engagement Activities

Pre-engagement survey and kick-off call
- Align on engagement expectations and goals
- Confirm teams and logistics

Migration Preparation
- Complete migration inventory
- Confirm Confluent Cloud Cluster sizing
- Confirm Connectivity approach
- Review Connect Cluster Prerequisites

Migration Planning
- Review of architecture 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 and data loss
- Discuss migration strategy of Kafka topics/schemas — which to migrate and which to not migrate, partition count, replication factor, etc.
- Review Confluent Cloud UI to monitor the migration and the Confluent Cloud cluster
- Review a migration plan and testing strategy

Migration Implementation
- Provision Confluent Cloud Cluster
- Setup connectivity (Public/VPC / Private Link)
- Setup cluster for self managed components
- Configure security for ACLs
- Configure Replicator for Topics and migrate data
- Assist with application cutover and migration from existing to new cluster
- Assist with post migration SLA and performance validation

Knowledge Sharing
During the workshop the Confluent expert will provide an overview and summary of the migration, which may include:
- Pre and post migration architecture
- Future state design recommendations
- Confluent Roadmap considerations
- Miscellaneous recommendations made during the engagement
- Current state of migration indicated in the Migration Inventory Tracker

Outcomes
- Migration plan
- Assistance with migration
- 8 days of direct customer interaction
  - 1 day for preparation
  - 2 days for planning
  - 5 days implementation assistance with setup and migration of one (1) non-production environment
- 1 day of indirect customer interaction for prerequisites and confirmation

Out of Scope
- Assistance with more than one (1) non production environment upgrade
- Architecture re-design and diagrams
- Security strategy for clients outside of Confluent
- Code development
- Client Code Changes
- Integration with external Monitoring tools (i.e Data Dog or Splunk)
- Monitoring and alerting via Control Center
- Disaster Recovery implementation
Sample Timeline

The following is a sample schedule for migration and can change based on execution.

Terms & Conditions

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

Custom Scoped migration engagements available upon request for additional environments or complex environments.

Confluent will work under the direction of Customer and Customer acknowledges that Advisory Services may be transitioned as work-in-progress and not as completed deliverables.

Confluent offers a wide range of Professional Services engagements. Please visit http://confluent.io/services for more information.

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