

PROFESSIONAL SERVICES

Business Continuity Design

Engagement Objectives

The goal of this consulting engagement is to have a Confluent Kafka expert enable you to deploy Kafka clusters across multiple data centers (MDC) and/or regions, for geo-replication or disaster recovery. Your technical teams will work with a Confluent Kafka expert to introduce you to MDC concepts, share best practices and known pitfalls. You'll work through an architecture design, configurations and a deployment plan, evaluating and testing options on a test cluster, to ensure that your team can create a deployment satisfying your recovery time objective (RPO) and recovery point objectives (RTO).

Benefits

By engaging with Confluent Professional Services, you leverage our expertise, knowledge and experience to ensure your implementation of MDC is best tailored for your use cases, is robust, optimized and well understood by your teams working with it.

Prerequisites

- Moderate Kafka operational knowledge (a few months), or one or more member of the team having completed the Confluent Operations training
- If you wish to test in a staging environment, at least two Kafka clusters, each in its own data center, need to be available for testing. The clusters should have unrestricted network access to each other
- An understanding of your multi-data center requirements, which we will review together:
 - Is your goal to operate independent clusters in different geographic regions?
 - Does data need to be aggregated between them?

- Is your goal disaster recovery?
 - Are you looking to implement a stretched cluster, for example across multiple availability zones in an Amazon Web Services region?
 - Will multiple data centers be active at once, or will one be a hot (passive) standby?
 - Do you need dynamic failover?
 - Do you need synchronous replication?

Who should attend?

Engineers and operations staff responsible for implementation and ongoing support.

Engagement Location

Remote unless in conjunction with other Services amounting to 2 or more days onsite. If delivered on-site, in a room with a whiteboard and a screen, or projector.

Engagement Activities

Pre-engagement survey and kickoff call

- Align on engagement expectations and goals
- Confirm logistics

MDC Planning and Implementation

- Review requirements and SLAs for MDC
- Discuss and review MDC options (DR/failover, active/passive) and Replicator or MirrorMaker
- Monitor and/or troubleshoot issues, if any, as time permits

Post-engagement report delivery

- Survey and follow-up call

Knowledge Transfer and Documentation

At the end of the engagement, the Confluent expert will provide a written summary and recommendations, which may include:

1. The proposed implementation of MDC that best fits your requirements
2. A deployment plan to implement MDC including required configuration changes
3. Tests to validate the MDC deployment has been successful
4. Required monitoring and logging changes
5. Any other recommended changes

Outcomes

- Agenda specific to your requirements
- 1-day workshop
- Confluent peer-reviewed best practice recommendations report
- Follow up call to walk through the report

Out of Scope

- Self-managed cloud discussion (self-managed Confluent Platform architecture workshop can be purchased separately, we also offer consulting modules covering cloud migration and hybrid cloud deployments)
- Deep dive of topics. The workshop is designed to be broad, not deep. Additional modules are available for any specific topics that need to be covered in depth.

Terms & Conditions

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

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