Confluent Platform offers a comprehensive solution for building hybrid architectures with a secure, reliable, and cost-effective bridge between on-prem and cloud environments and building Kafka clusters that are disaster resilient.

**Why Global Resilience?**

Data center downtime and data loss can result in significant costs to the business, including lost revenue, reduced customer satisfaction, business disruption, and reputation loss. A disaster recovery plan often requires multi-data center Kafka deployments with data replication between geographically-dispersed clusters. In addition, enterprise users also have requirements around connecting on-prem clusters to cloud, migrating data between cloud providers, and providing a consistent data layer across all environments.

Confluent Platform offers easy-to-use, secure, and cost-effective disaster recovery and geo-replication solutions to seamlessly and reliably connect applications and data systems across hybrid and multicloud architectures.

**Features**

**Cluster Linking**
Cluster Linking is an easy-to-use, secure, and cost-effective geo-replication solution to create a highly available, consistent, and real-time bridge between on-prem & cloud environments and provide teams with self-service access to data wherever it resides in your organization.

**Multi-Region Clusters**
Multi-Region Clusters is a disaster recovery solution that allows a single Kafka cluster to run across multiple data centers, providing enterprises with the operational simplicity of stretch cluster architecture without the typical tradeoff between throughput and disaster resilience.

**Replicator**
Replicator enables easy replication of topics from one Kafka cluster to another, providing reliable, asynchronous replication built on the Kafka Connect framework.
“Our transformation to a cloud-native, agile company required a large-scale migration from open source Apache Kafka, which was complex and challenging to self manage. Cluster Linking played a critical role in making the shift to Confluent for Kubernetes and more cloud-native solutions a success with no downtime and minimal dependencies. With Confluent, we now support real-time data sharing across all of our environments, and see a clear path forward for our hybrid cloud roadmap.”

Justin Dempsey | Senior Manager, Software Development, SAS

Solution

Build a real-time bridge to the cloud

Accelerated enterprise journey to cloud
Create a highly available, consistent, and real-time bridge between on-prem and cloud environments and maintain trusted, compatible data streams by sharing schemas that sync in real time.

Secure data replication
Share data in real-time across hybrid environments without opening up on-prem firewalls. Cluster links that originate from the source cluster enable secure data migration and replication without requiring InfoSec exceptions and improve delivery time for hybrid cloud workloads.

Bridge to Confluent Cloud
Offload cluster management to the world’s foremost Kafka experts by using Cluster Linking to bridge your self-managed clusters to a fully managed service in Confluent Cloud.

Achieve faster recovery time

Minimized Recovery Time Objectives
Build mission-critical applications with high uptime SLAs on top of Kafka rather than legacy, batch-oriented systems. With support for automated client failover, Multi-Region Clusters enable Recovery Time Objectives (RTO) to be measured in seconds rather than hours.

Elimination of data loss for high priority topics
Ensure Recovery Point Objectives (RPO) of 0 for topics with the most sensitive data. Multi-Region Clusters offers a choice between synchronous or asynchronous partition replication on a per topic basis.

Minimize geo-replication complexity

Simplified deployment
Eliminate the need to manage and maintain additional infrastructure required by Connect-based systems like MirrorMaker 2 and simplify operations by using a single, globally consistent connection that’s easier to monitor and secure.

Self-service access to data
Provide self-service access to data in real-time across the business with globally connected clusters regardless of where they reside.

Perfectly mirrored data
Ensure that topic offsets are preserved from one cluster to another by default without any additional tooling required, providing perfectly mirrored replication between clusters.

Confluent Platform. Enterprise platform for data in motion, built by the original creators of Apache Kafka. For more information, please visit confluent.io. To contact us, visit confluent.io/contact. For detailed product specifications, please refer to our documentation.