



Building streaming data pipelines with Google Cloud Dataflow and Confluent Cloud

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Agenda



01. Data in Motion

The new Data in Motion Paradigm

02. Product Overview

Introduction to Confluent

03. Demo Use Case and Architecture

How Confluent and Google partner to fulfill the Data in Motion paradigm

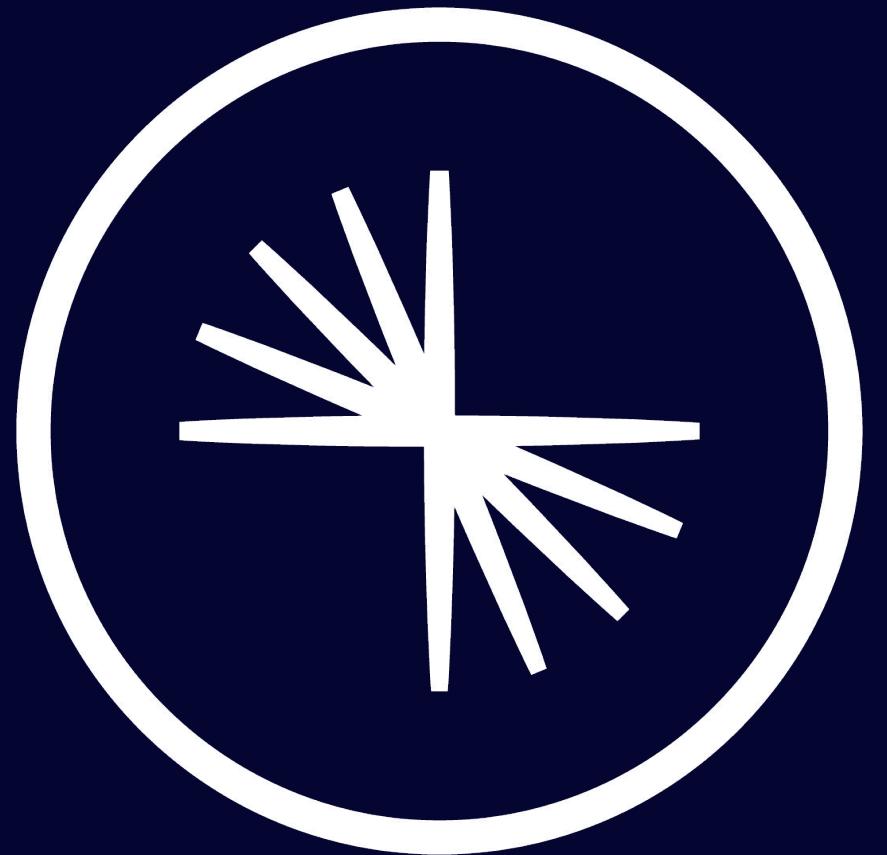
04. Demo

Building streaming data pipelines with Google Cloud Dataflow and Confluent Cloud

05. Q&A



Data in Motion



Our Mission ***Set Data in Motion***

Today, the digital realm is as important as the physical world in how business is transacted.

Enterprises require total connectivity and instant reaction, 24x7, anywhere, in real-time.

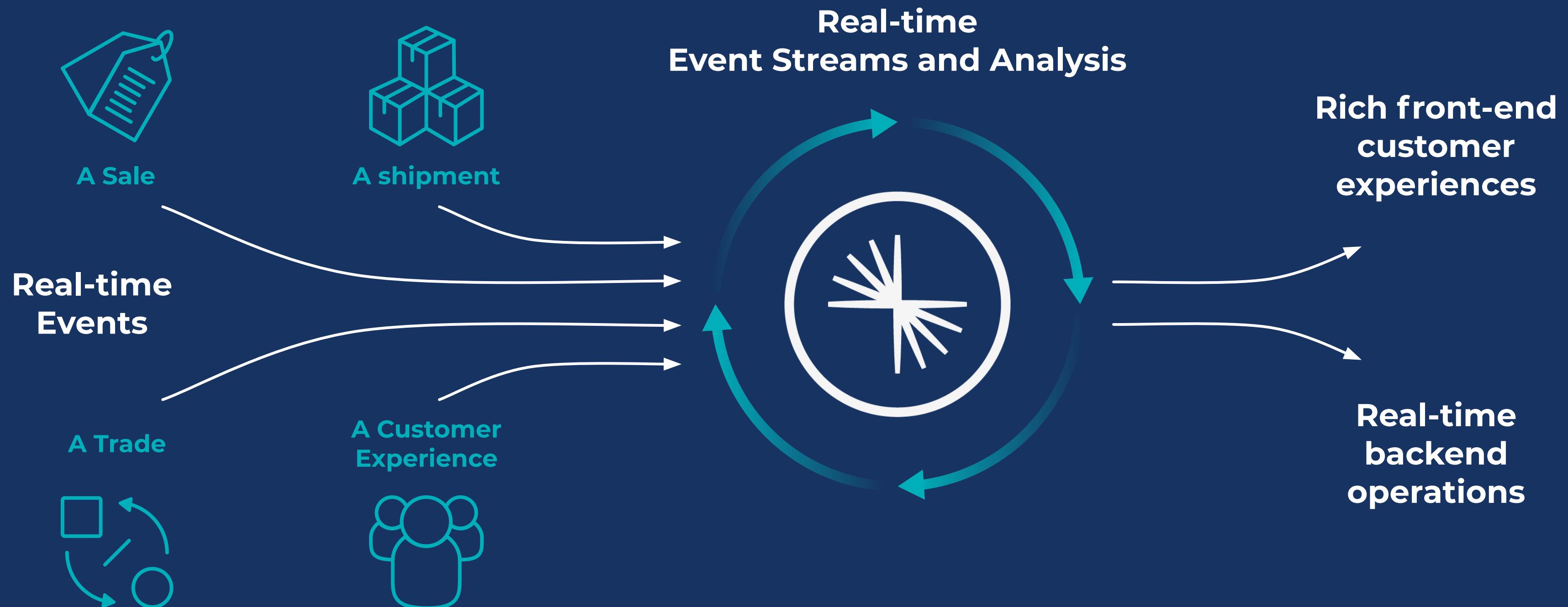
But they can't get there with traditional, historical databases filled with data at rest.

They need a complete streaming platform, dually capable of **setting data in motion** and **analyzing** that data in real-time, and which is globally interconnecting the clouds and on-premises data centers.



A New Paradigm is Required for Data in Motion:

Continuously processing evolving streams of data in real-time



At Confluent, streaming is in our DNA.

We help the world's
largest organizations
make it part of theirs.



Morgan Stanley



JPMORGAN CHASE & Co.

NETFLIX



Telefónica



ticketmaster®

BOSCH



priceline.com®

sky



robinhood

Shipt



<https://www.confluent.io/customers/>

Cloud-native, Complete, Everywhere

with Kafka at its core



**Fully Managed 'NoOps'
on AWS, Azure, GCP**

**ksqlDB & Stream
Processing, Analytics**

**Security &
Data Governance**

Connectors

Infinite Storage

APIs, UIs, CLIs



Product Overview

What makes Confluent unique?



Cloud-Native

Available as a fully managed service that is a serverless, infinitely scalable, elastic, secure, and globally interconnected. Our self-managed service inherits all the work born in the cloud.



Complete

ksqlDB, Connect, Schema Registry, and more
Capable of end-to-end applications
Kafka from the people who made it



Everywhere

Global availability on AWS, Azure, and GCP
Bridge on-prem to cloud with cluster linking
Extend streaming apps across clouds

Confluent: Everywhere



Fully-Managed Service

Confluent Cloud

Apache Kafka Re-engineered
for the Cloud



Available on the leading public clouds



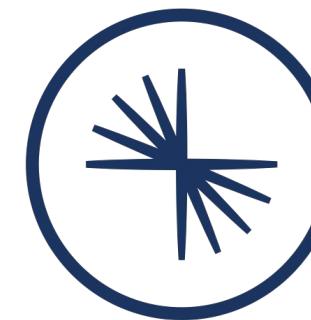
Microsoft
Azure

Google Cloud

Self-Managed Software

Confluent Platform

The Enterprise Distribution of
Apache Kafka



Deploy on any platform, on-prem or cloud



Both: Subscription products where price scales with usage

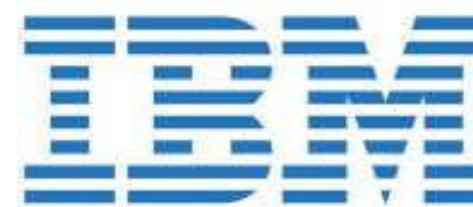
Large Ecosystem for Event Streaming

Easily connect to 100+ data systems



Large Partner Network

Consulting Partners, Cloud Partners, OEM Partners, Tech Partners



and more

Confluent: Complete



DEVELOPER

Unrestricted Developer Productivity

Multi-language Development
*Non-Java Clients | REST Proxy
Admin REST APIs*

Rich Pre-built Ecosystem
Connectors | *Hub | Schema Registry*

Event Streaming Database
ksqldb

OPERATOR

Efficient Operations at Scale

GUI-driven Mgmt & Monitoring
Control Center | Proactive Support

Flexible DevOps Automation
Operator | *Ansible*

Dynamic Performance & Elasticity
Self-Balancing Clusters | Tiered Storage

ARCHITECT

Production-stage Prerequisites

Enterprise-grade Security
RBAC | Secrets | Audit Logs

Data Compatibility
Schema Registry | Schema Validation

Global Resilience
Multi-Region Clusters | Replicator Cluster Linking

Apache Kafka

Open Source | Community licensed



Self-managed Software



Fully Managed Cloud Service



Enterprise Support



Professional Services

Freedom of Choice

Committer-driven Expertise



Training

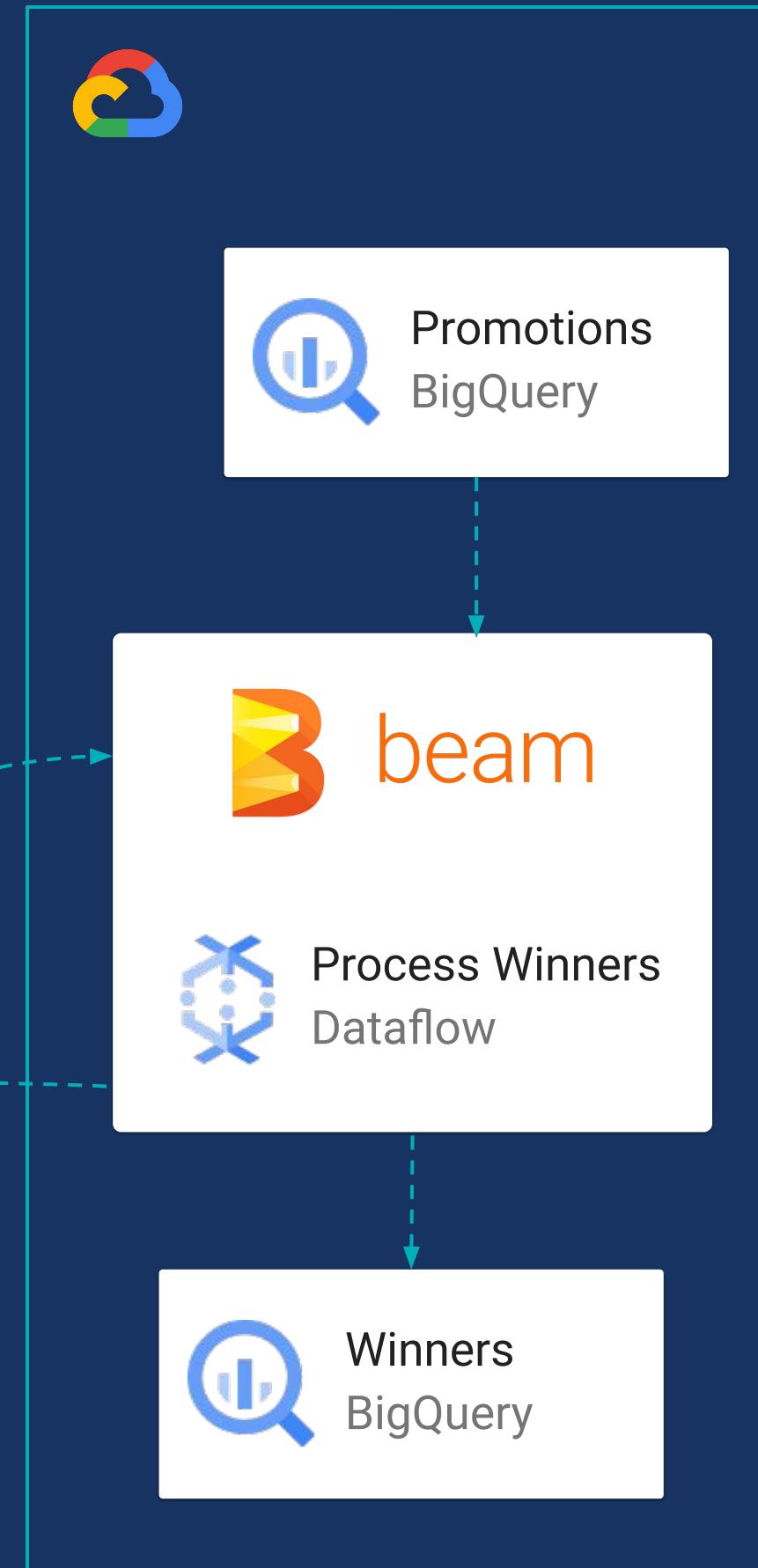
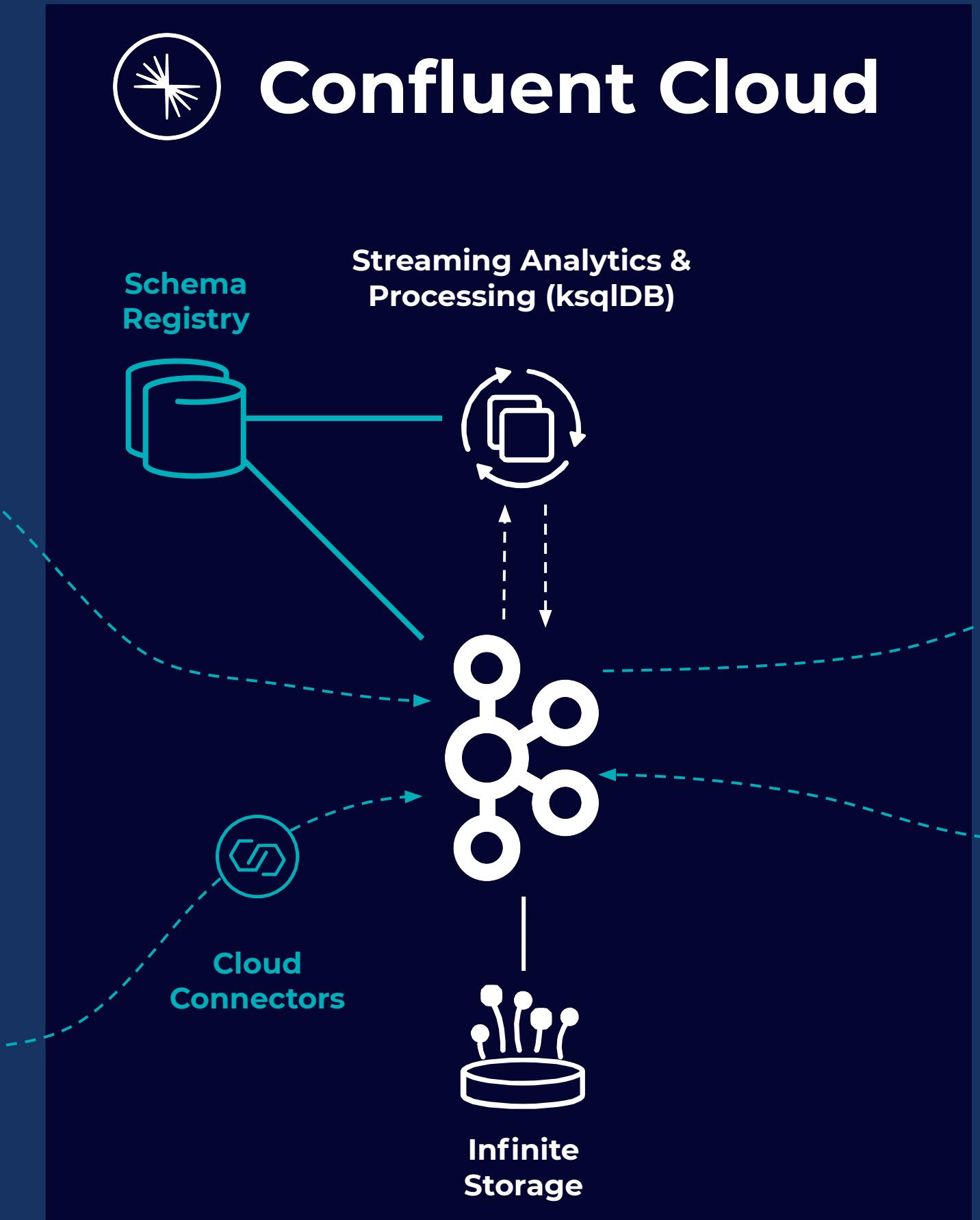
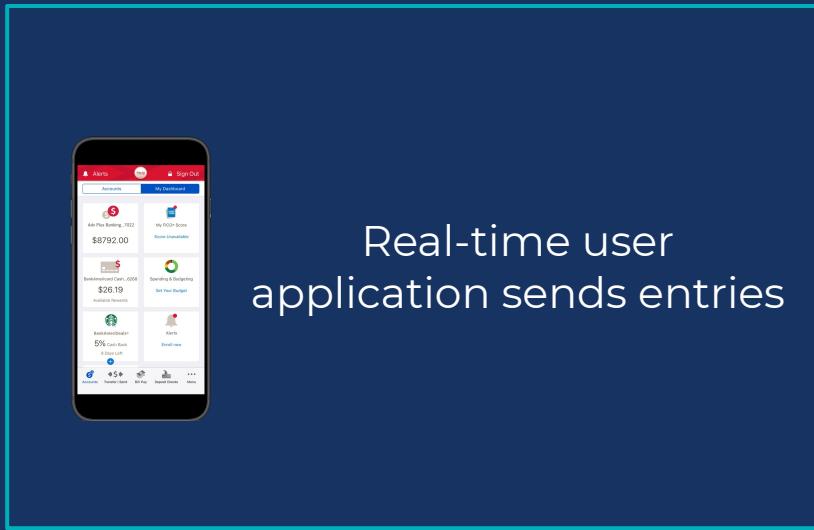


Partners

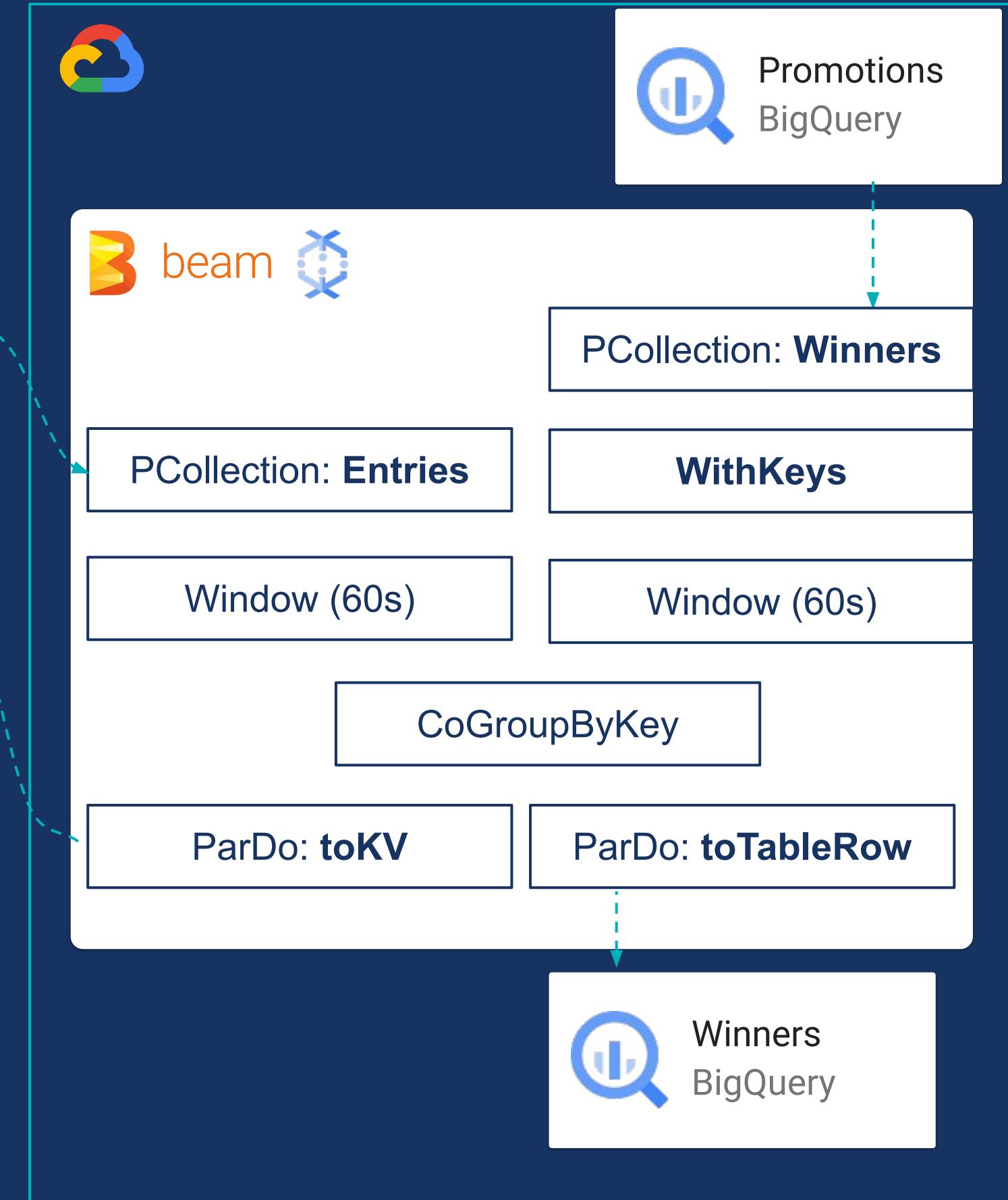
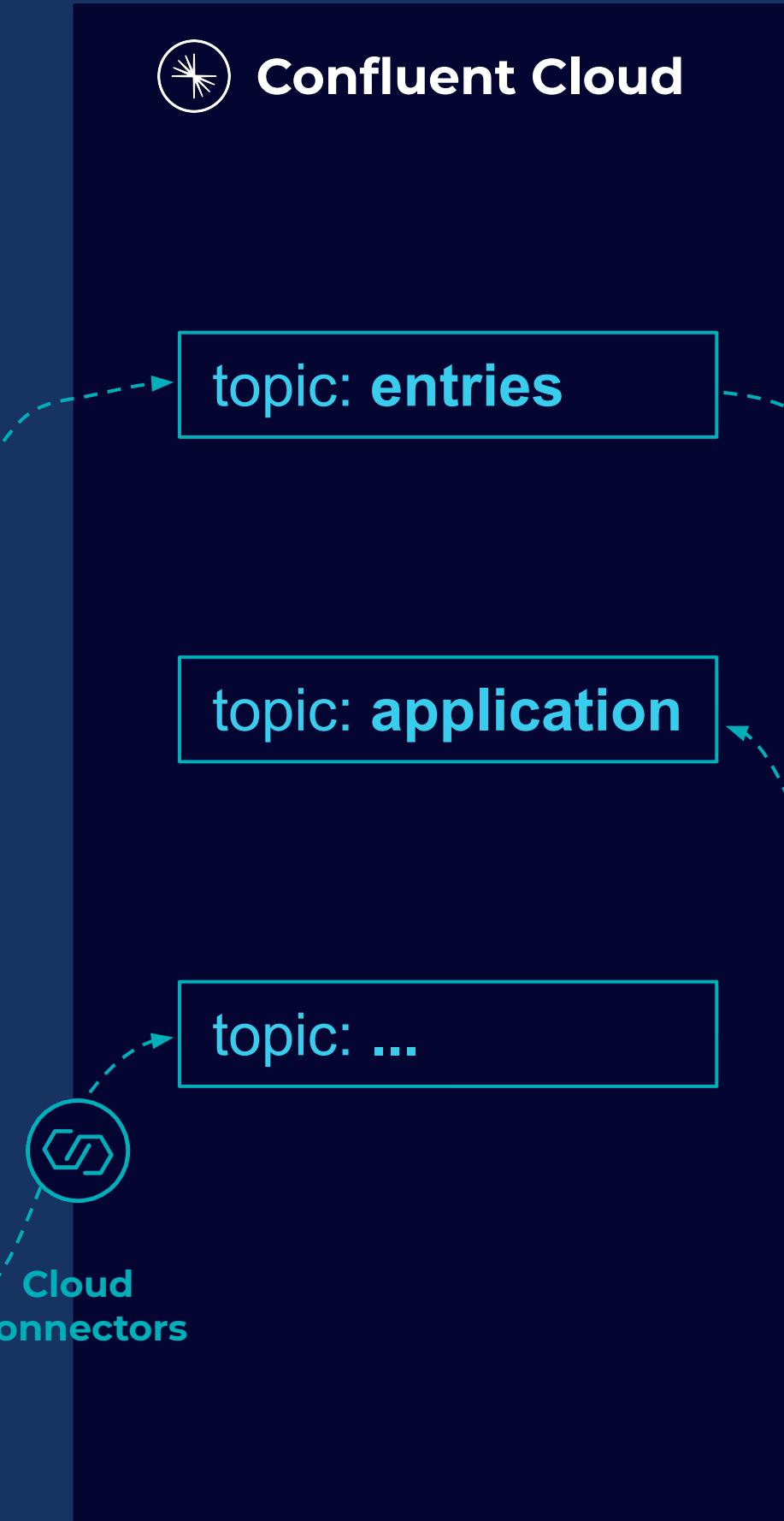
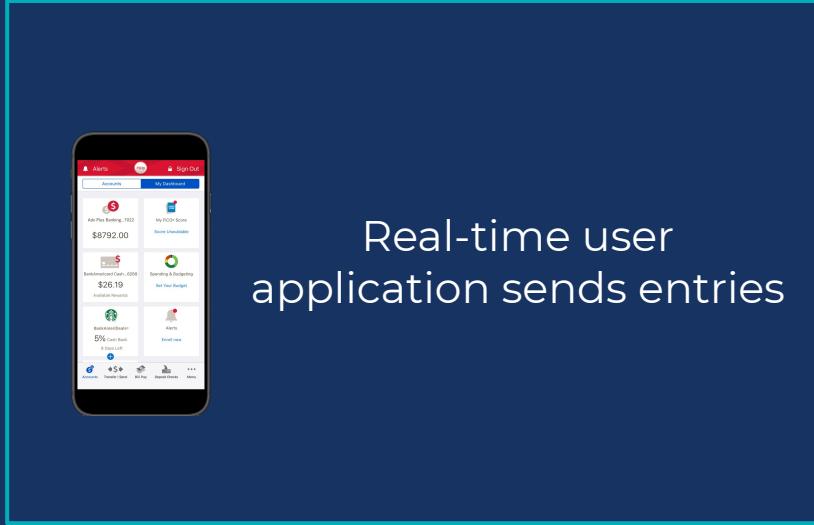


Demo Architecture

Demo



Demo



Demo



git.io/JROpx



git.io/JROpx



Q&A

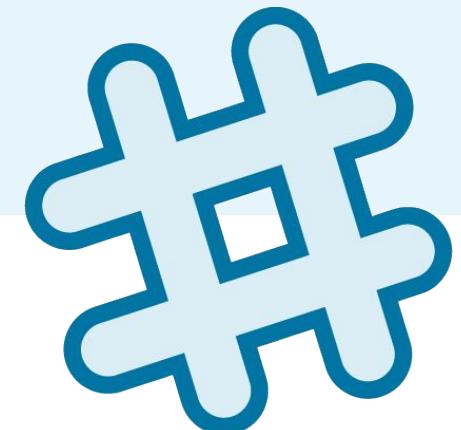
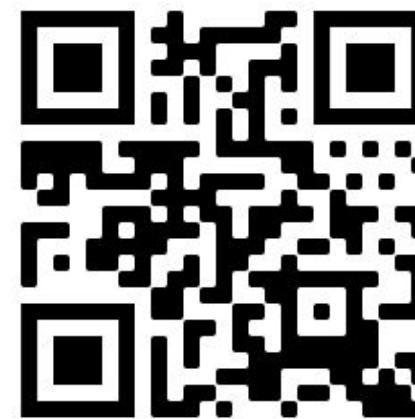


Stay in touch!

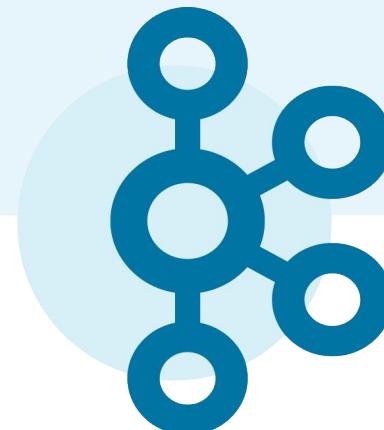
NEW



Confluent Blog
cnfl.io/developer



Community Slack
cnfl.io/slack



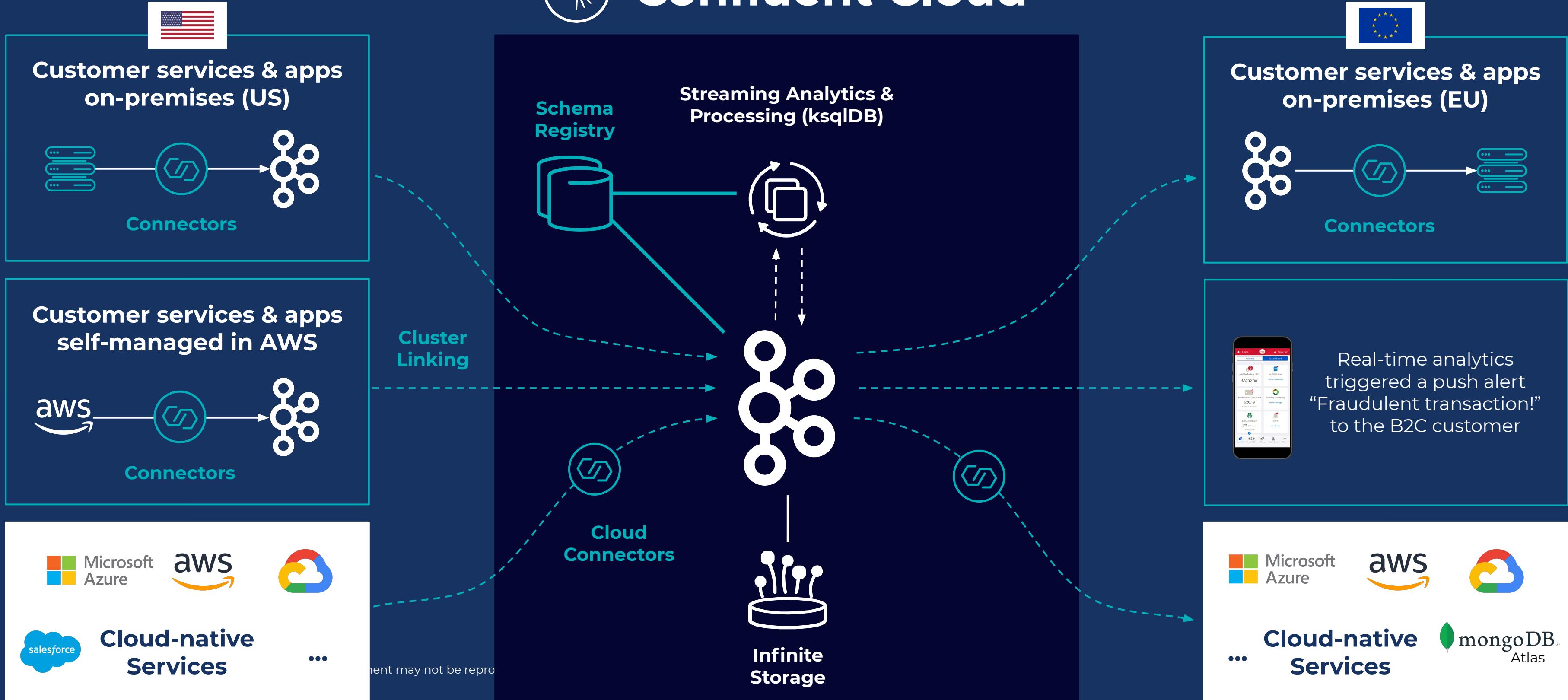
Global Training
cnfl.io/kafka-training



Demo Architecture



Confluent Cloud





Thank you!

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linkedin.com/in/ecuevasc



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