mimacom

Data in Motion

Why Modern Enterprises Can’t Run on Yesterday’s Truth

Markus Fleckenstein, Consulting Architect @ Mimacom

19. Mai 2026 | OID’26

Intro



Markus Fleckenstein

Consulting Architect @ Mimacom

E-Mail:
markus.fleckenstein@mimacom.com

Based In
Stuttgart

Let's Connect
linkedin.com/in/markus-fleckenstein

IBM Completes Acquisition of Confluent, Making Real Time Data the Engine of Enterprise AI and Agents

Day-one integrations include IBM watsonx.data, IBM MQ, IBM webMethods Hybrid Integration, and IBM Z

Mar 17, 2026



ARMONK, N.Y., March 17, 2026 /PRNewswire/ — IBM (NYSE: IBM) today completed its acquisition of Confluent, Inc., the data streaming platform that more than 6,500 enterprises, including 40% of the Fortune 500, rely on to power real-time operations. Together, IBM and Confluent deliver a smart data platform that gives every AI model, agent, and automated workflow the real-time, trusted data needed to operate across on-premises and hybrid cloud environments at scale.

more articles

IBM Launches Sports Tech Startup Challenge at Web Summit Vancouver →

IBM Announces Red Hat AI Inference and Red Hat OpenShift Virtualization Service on IBM Cloud →

IBM Consulting Expands AI Capabilities to Accelerate Enterprise Transformation →

Subscribe to email

Mimacom & Confluent



Partnering since 2017

One of the first European Confluent partners, shaping streaming adoption from it's early days.



Built & Scaled Data Streaming Platforms

Designed, implemented, and industrialized mission-critical Kafka platforms across multiple industries



From Strategy to Production

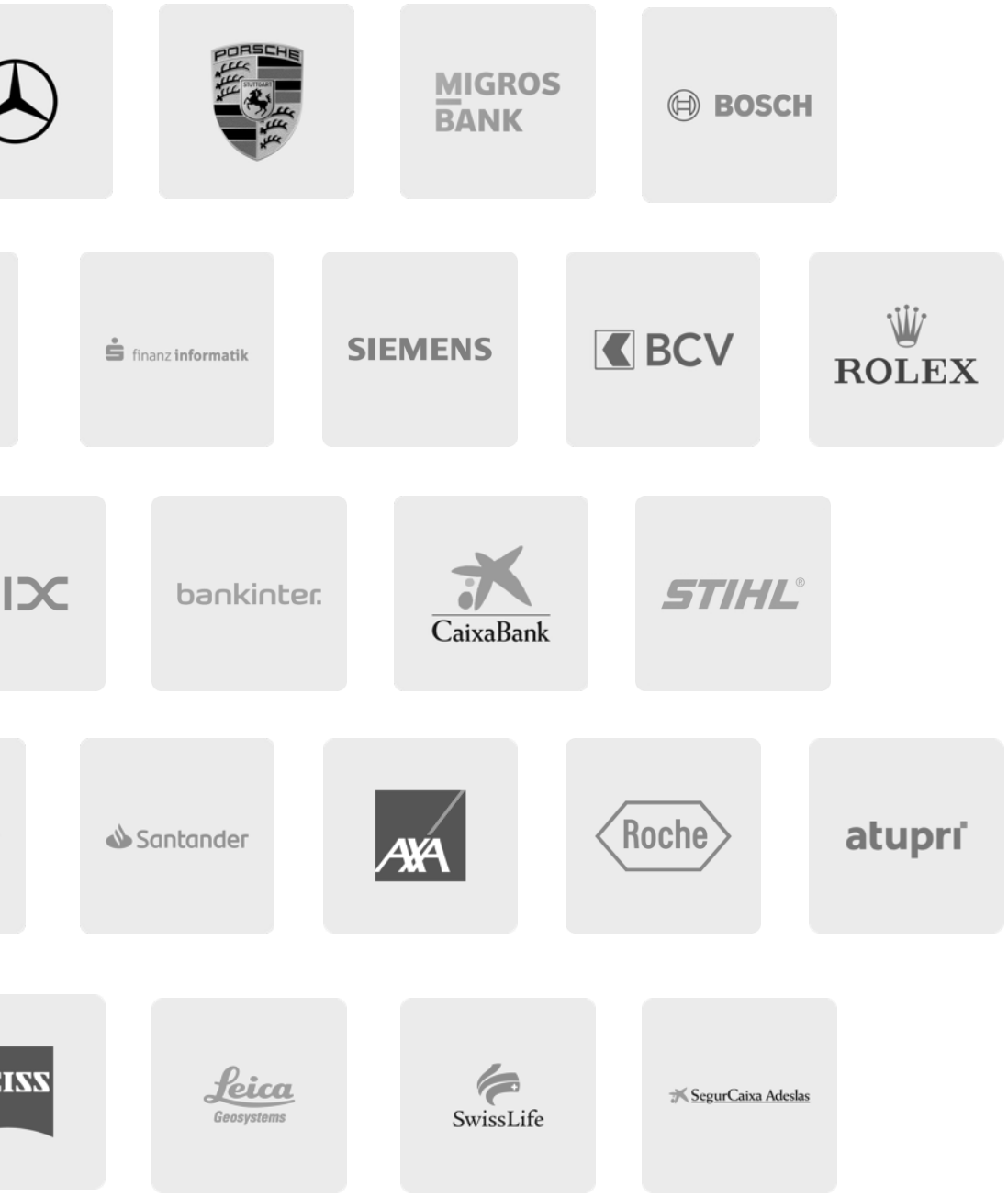
Architecture design, platform implementation, governance, scaling & operations – end to end.



Official Confluent Training Partner

Empowering organizations through certified training and hands-on enablement

CONFLUENT



Get to know Mimacom

Mimacom is a software engineering and consulting company that designs, builds, and operates enterprise applications and AI for global organizations. We combine expertise, creativity, and disciplined delivery to make sure you're ready for what's next.

mimacom

Technology Doesn‘t Transform Companies.

Adoption Does.

At Mimacom, we ensure enterprise success beyond the platform.



Change and transformation support



Organizational enablement and capability build-up



Governance and operating model design



Platform Engineering at enterprise scale

Because streaming is not a tool upgrade.
It’s an operating model shift.

Understand the platform.

Kafka 101

01

Leverage the platform.

Use Cases

02

Succeed with adoption.

Adoption Challenges

03

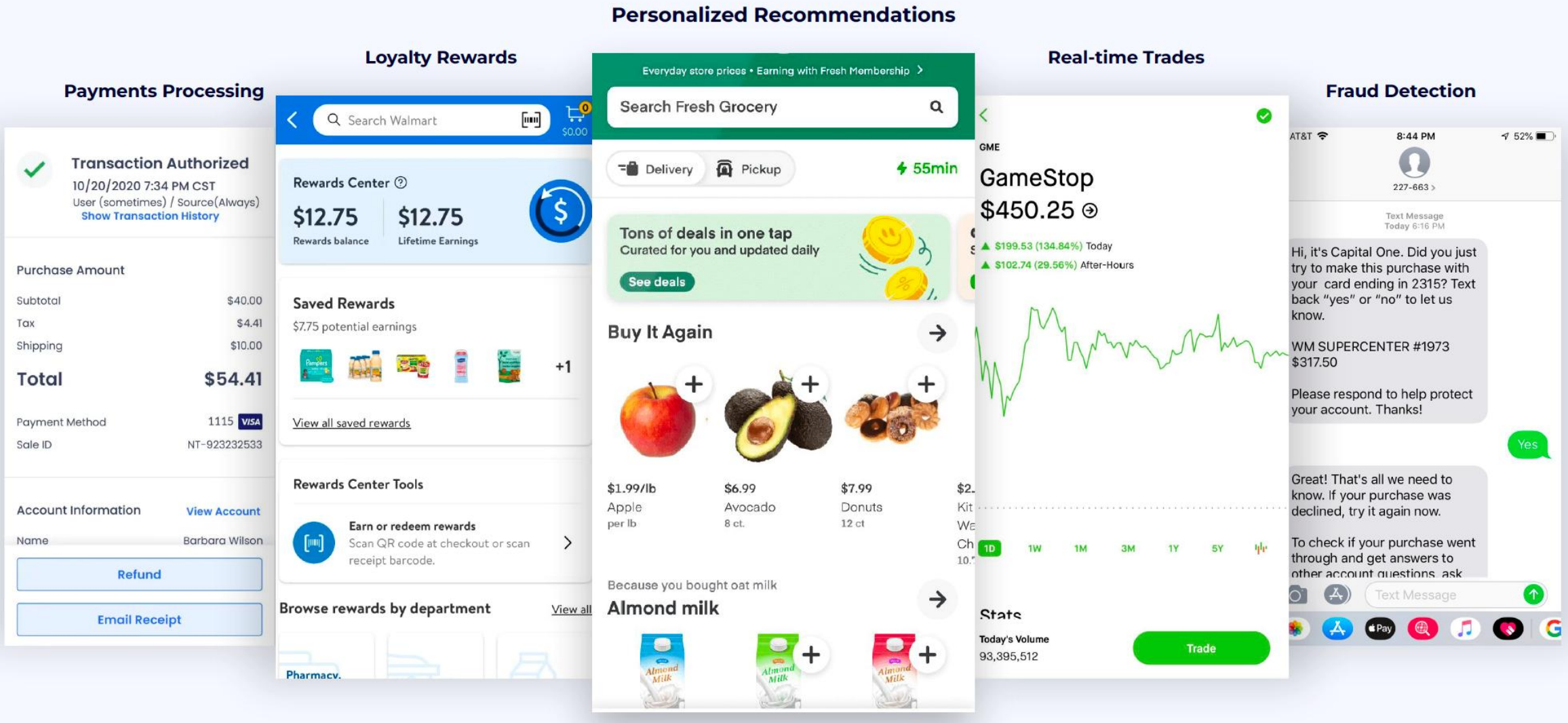
Imagine Making Decisions



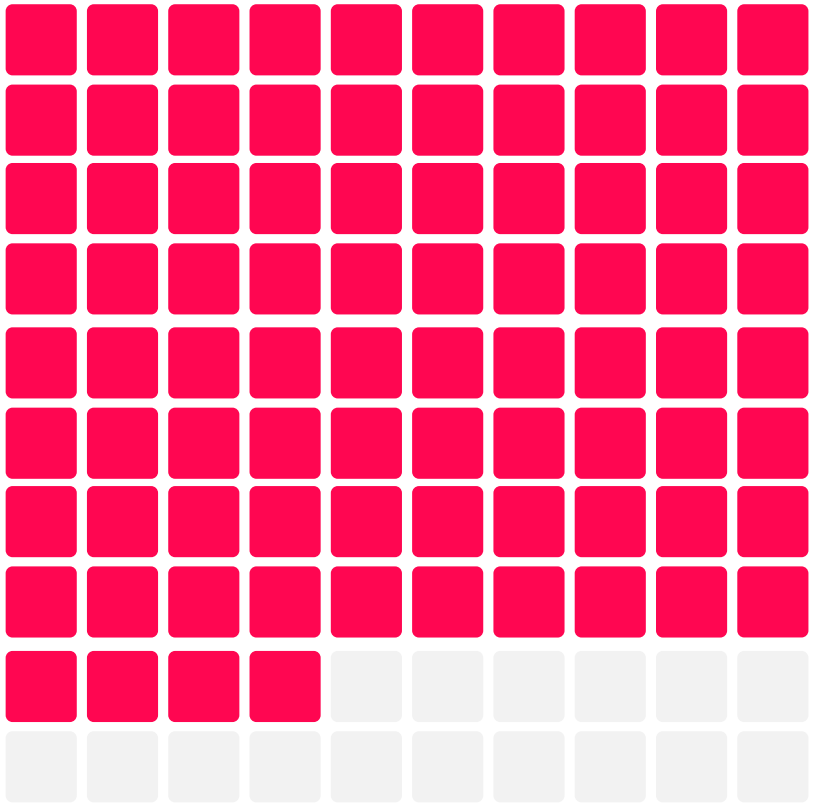
From Yesterday's News.

Data is the fuel for a modern business

Unlocking endless use cases with instant data access



Streaming Is No Longer Optional.



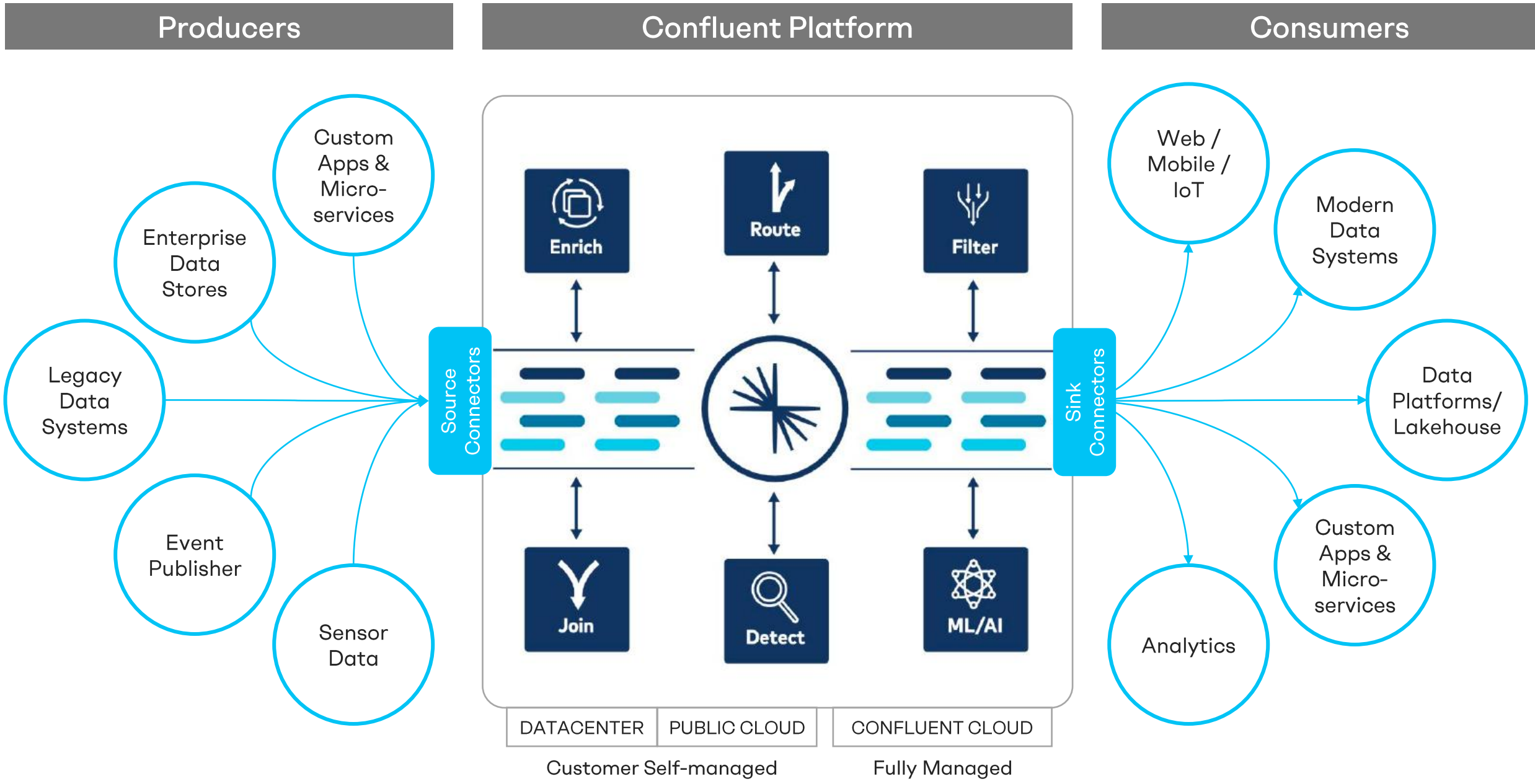


84 % Achieve Faster Time to Market and Increase Revenue

91 % Break down data silos

Source: Confluent Data Streaming Report 2025, report.confluent.io

Real-Time Is Your Business's Nervous System.


Producers
Confluent Platform
Consumers
Custom Apps & Micro-services
Enterprise Data Stores
Legacy Data Systems
Event Publisher
Sensor Data
Source Connectors
Enrich
Route
Filter
Join
Detect
ML/AI
Sink Connectors
Web / Mobile / IoT
Modern Data Systems
Data Platforms/ Lakehouse
Custom Apps & Micro-services
Analytics
DATACENTER
PUBLIC CLOUD
CONFLUENT CLOUD
Customer Self-managed
Fully Managed

Use 200+ Existing Kafka Connectors



Kafka Terminology 101

Events



Event

A record that something meaningful happened in the business.

Contains data about the occurrence (e.g., OrderPlaced, PaymentReceived).

Immutable fact, it represents a moment in time.

Topics



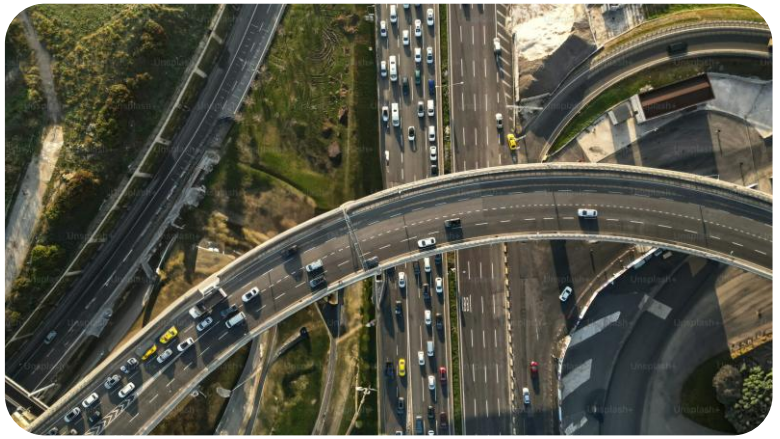
Topic

A named stream of related events (e.g., Orders, Payments).

Organizes events by business domain or type.

Producers write to it; consumers read from it.

Partitions



Partition

A subdivision of a topic that enables scalability.

Guarantees strict ordering within that partition.

Allows parallel processing across partitions.

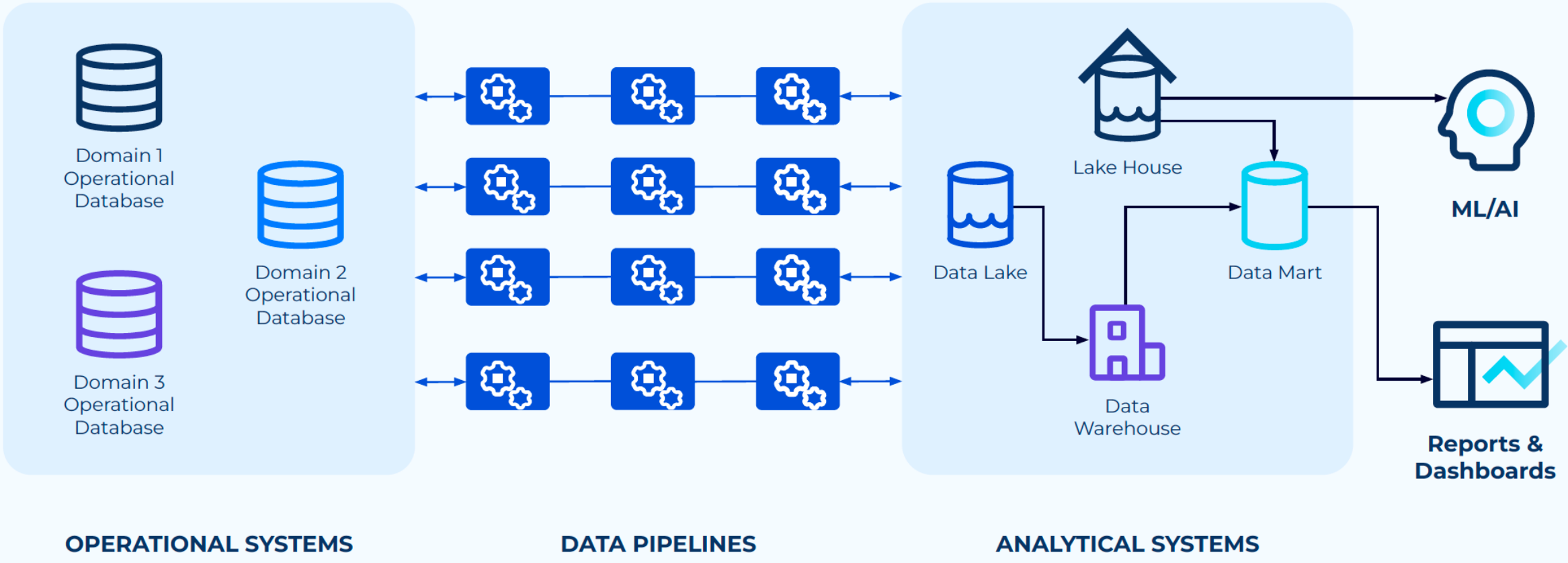
mimacom

Use Cases

USE CASE

Data Pipelines

Heavy lifting to bridge the operational and analytical data divide.



Manufacturing Example

Solution

- Data pipeline integrating part data from SAP and external data catalogs.
- Cleanup, preprocessing, de-duplication, data quality pipeline.

Impact

- Ingests and processes >10 Mio parts from multiple sources
- Provides >500 engineers with accurate part search



USE CASE

Integration Platform

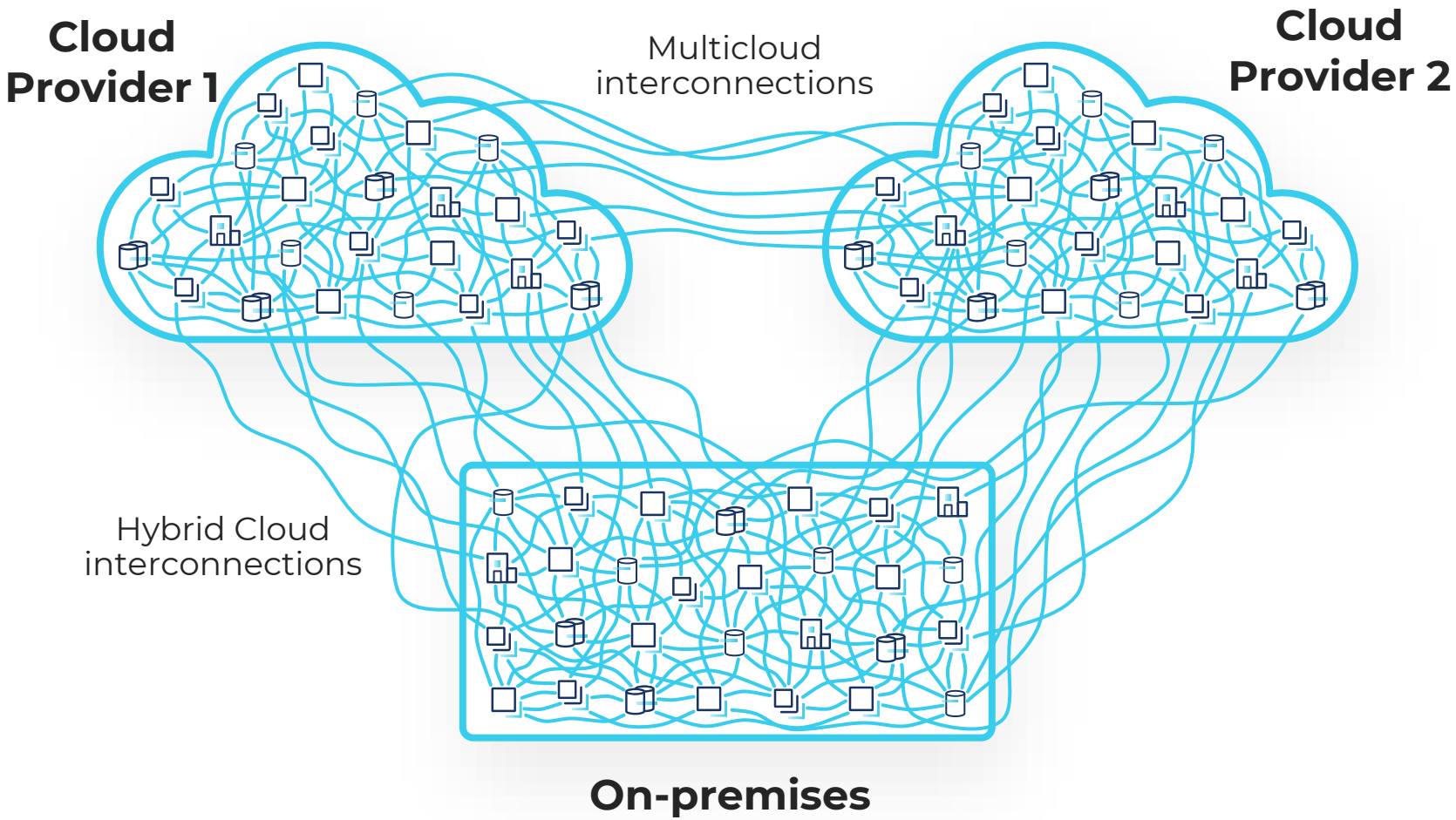
Heavy lifting to bridge the operational and analytical data divide.

Key challenges:

Stale & inconsistent data
Across silos, systems, and environments

Brittle point-to-point integrations
Hard to secure, scale, and govern

High downtime risk
Complex and costly failover operations



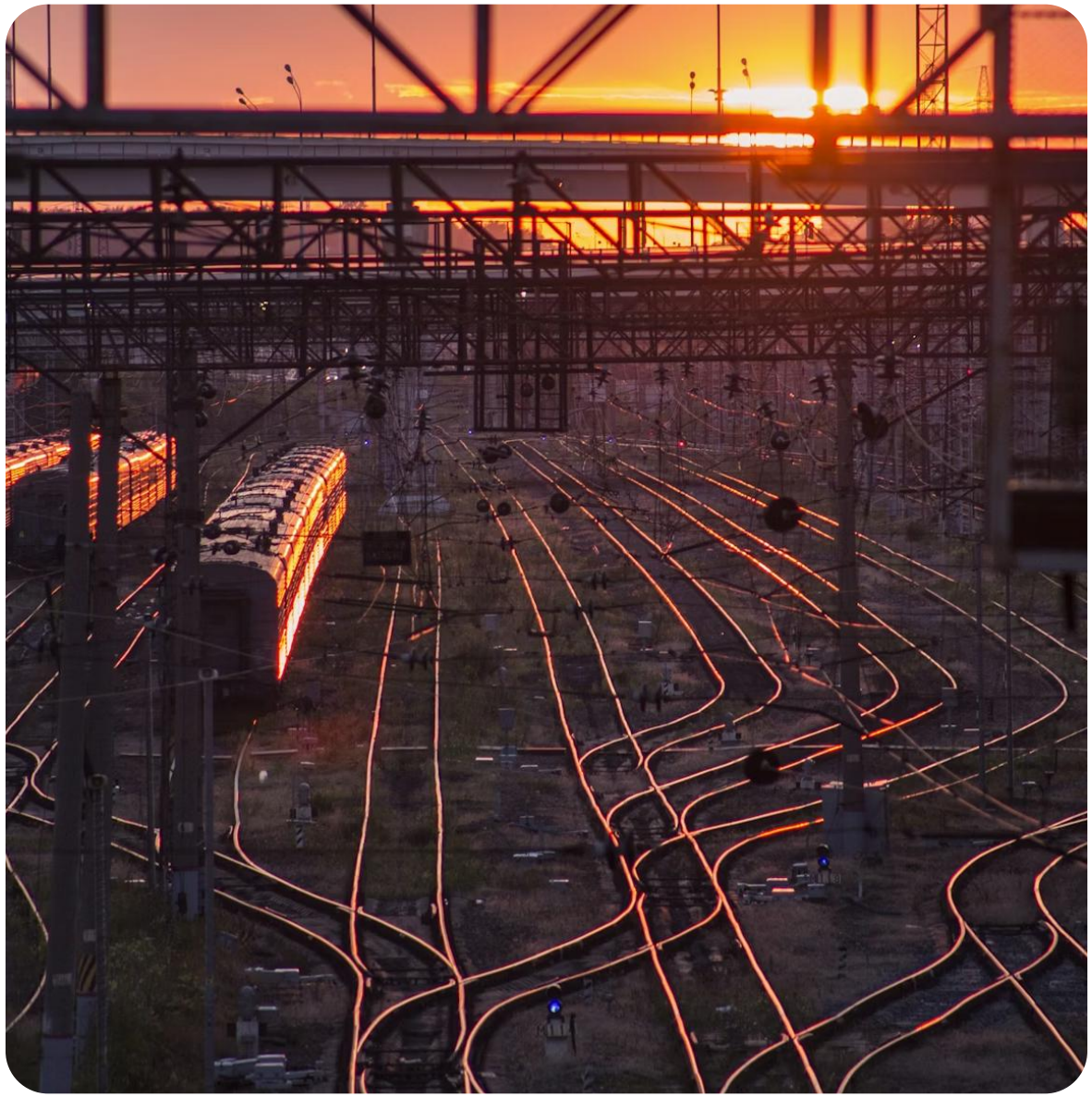
Transportation Example

Solution

- Migrated data from legacy messaging to Confluent Kafka
- Integration across clouds and on-premises systems

Impact

- Cost reduction and alleviating EOL of legacy technologies
- Rearchitect and modernize legacy applications to decouple and leverage data streaming capabilities



USE CASE

Event-driven Architectures

Systems emit events. Other systems react.

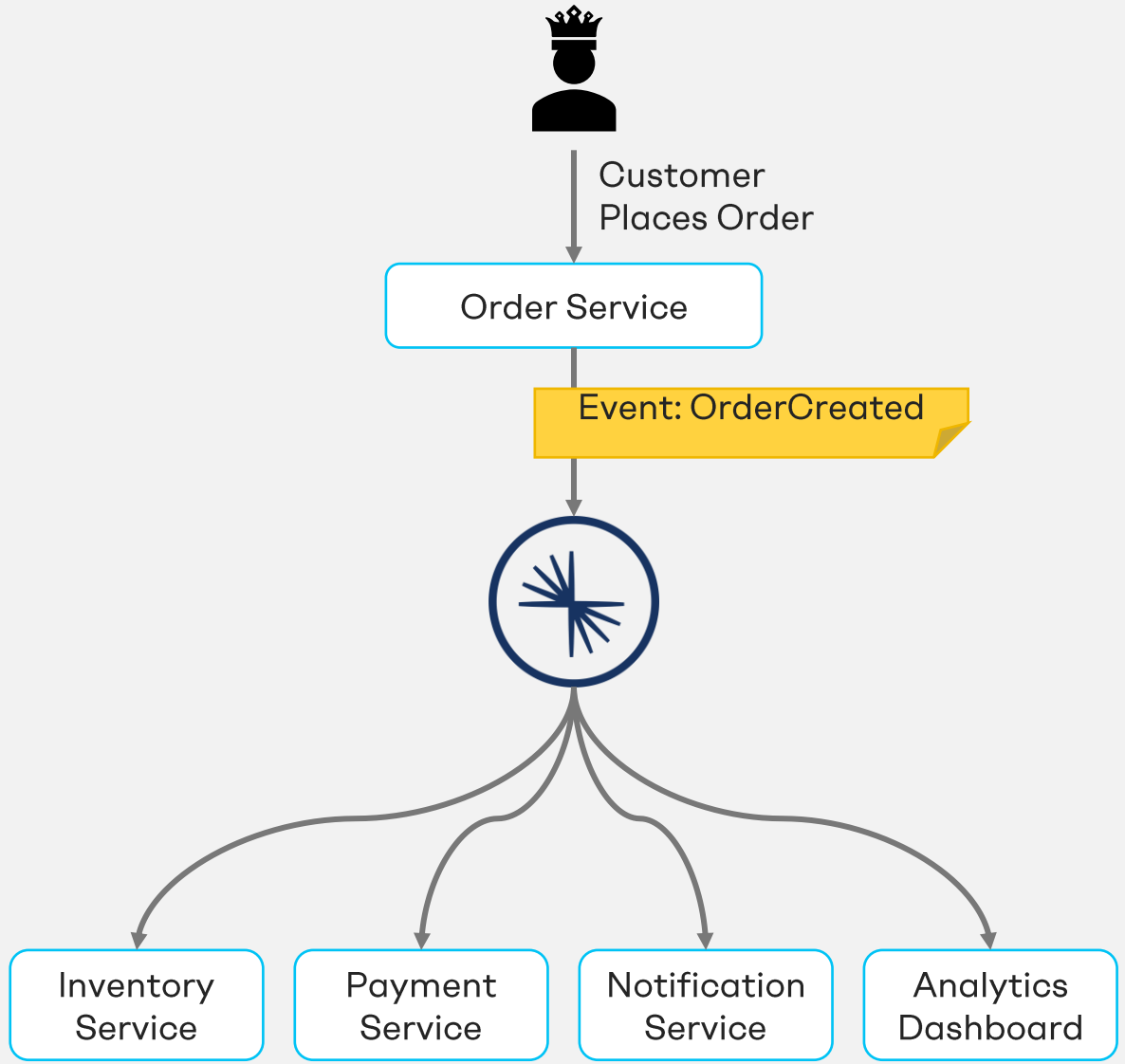
The Shift

Systems communicate through events, not direct calls.

- Publish business events once
- Multiple services react independently
- No hard-coded system-to-system dependencies

The Impact

- Faster feature delivery
- Independent team scaling
- Greater resilience & flexibility



Retail Example

Solution

- Event-driven architecture for real-time stock management
- Transforming the customer engineering teams to adopt EDA

Impact

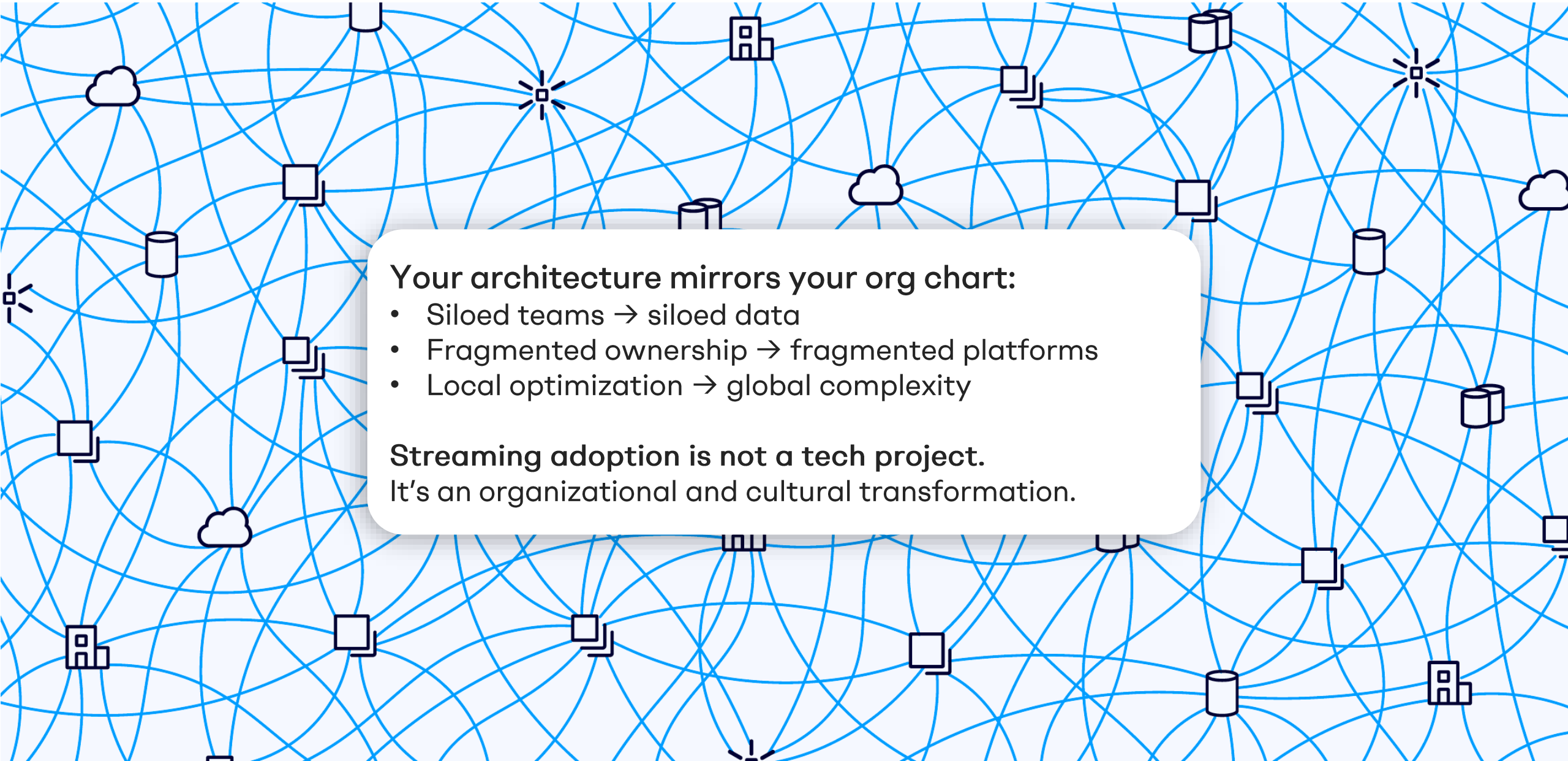
- Connects 1.500+ physical store locations
- Processes >90 Mio. events per day



mimacom

Adoption Challenges

The Real Challenge Isn't Technology. It's Conways Law.



Your architecture mirrors your org chart:

- Siloed teams → siloed data
- Fragmented ownership → fragmented platforms
- Local optimization → global complexity

Streaming adoption is not a tech project.
It's an organizational and cultural transformation.

Platform Maturity Phases

Crawl

Deploy platform to production with basic functionality.

In Phase: 3-12 months

Walk

Bring >8 use cases on the platform to production.

In Phase: 1-2 years.

Run

Scale platform via automation and self-service to >20 use cases.

In Phase: 5+ years

Platform Maturity Pitfalls

Most platform teams get stuck transitioning from one maturity phase to the next.

Crawl

Deploy platform to production with basic functionality.

In Phase: 3-12 months

Walk

Bring >8 use cases on the platform to production.

In Phase: 1-2 years.

Run

Scale platform via automation and self-service to >20 use cases.

In Phase: 5+ years

Pivotal transition points for platform teams

mimacom

Thank You!
Questions?

Let’s stay in touch:

Markus Fleckenstein

mimacom.com

