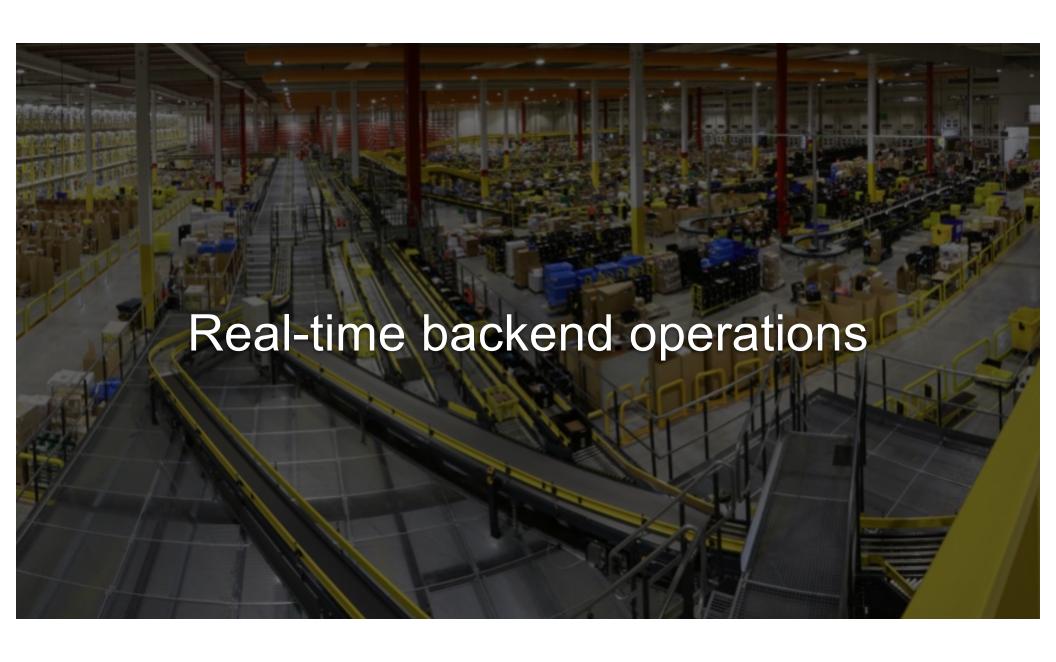
Migrate and Modernize Your Data Platform with Confluent and Databricks





Shared use cases across industries



Retail

Customer 360

Omnichannel optimization

Supply chain optimization

Improve customer attraction & conversion to increase revenue



Financial Services

Risk Management

Trading Operations

Security Operations & Fraud detection

Payments Processing

Customer 360

Improved customer outcomes, increased revenue



Media & Telecom

Fraud Detection

Customer churn reduction

Real-time customer analytics

Streaming health

Better operational intelligence



Health sciences

IoT device management and analytics

Clinical and claims



Manufacturing / Automotive

Connected and autonomous cars

Supply chain inventory

Fleet management

Improved patient outcomes and cost effectiveness

Predictive analytics generate exponential value





Companies are moving to the cloud to build modern data platforms



"More than 45% of IT spending on infrastructure and application software will shift from on-prem to cloud by 2024." – **Gartner**

Data streaming and Apache Kafka is required for a modern cloud data platform





"We need to shift our thinking from everything at rest, to everything in motion."—citi

Confluent Cloud



Help enterprises migrate and modernize their data platforms to power real-time analytics and applications



Cloud-Native

Apache Kafka, fully managed and rearchitected to harness the power of the cloud



Complete

Go beyond Kafka to build real-time apps on the cloud quickly, reliably, and securely

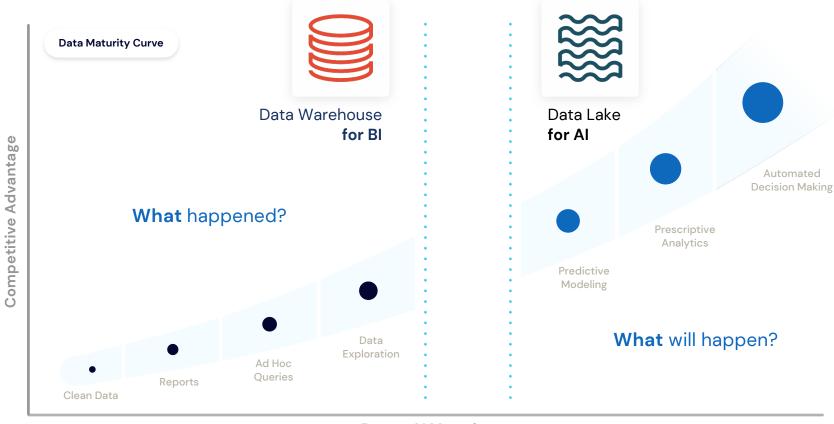


Everywhere

Maintain flexibility with deployments on any cloud and connect across clouds and onpremises that sync in real-time

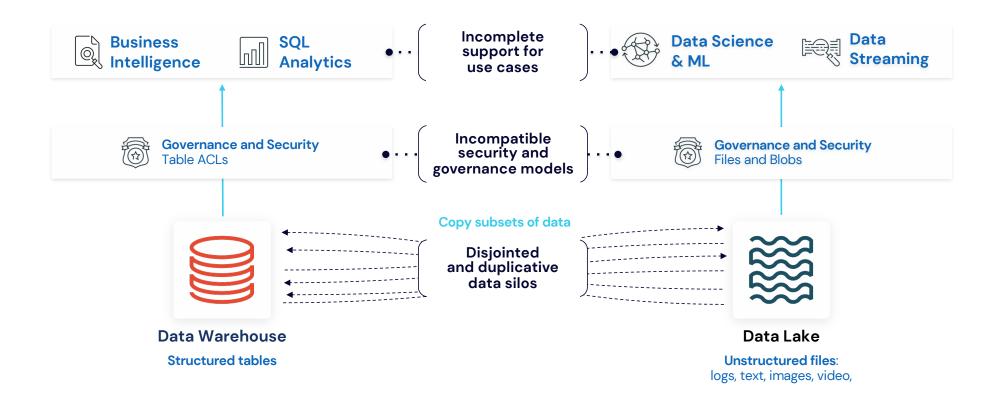
Most enterprises still struggle with data, analytics, and Al

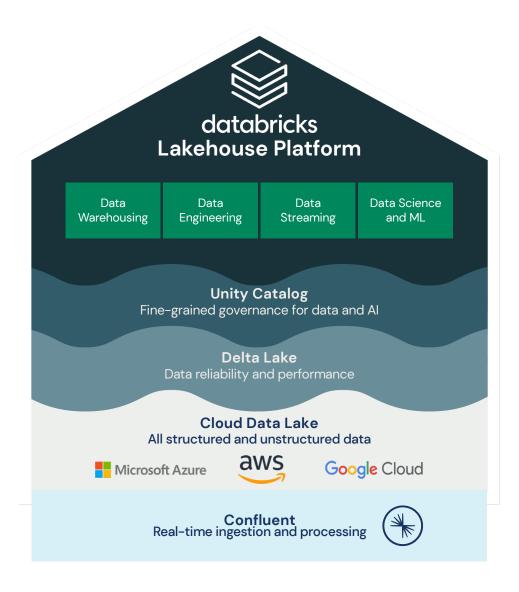
Realizing this requires two disparate, incompatible data platforms



Data + Al Maturity

Realizing this requires two disparate, incompatible data platforms





Databricks Lakehouse Platform

Simple

Unify your data warehousing and Al use cases on a single platform

Open

Built on open source and open standards

Multicloud

One consistent data platform across clouds

Joint Value Proposition



Confluent makes analytics on Databricks better by bringing in data in real-time

A complete **real- time** event
streaming and **analytics** solution
for all data,
analytics and Al
workloads









BI and reporting in the lakehouse have more recent and valuable data for better decision making



ML/AI models can get real-time data from apps, IoT and consumer interactions for better predictions

Delivered at scale with the speed, security, and reliability required by enterprises

From migration to modernization

How Confluent and Databricks can accelerate your journey to real-time analytics in the cloud



Migrating and modernizing your data warehouse is not easy

X High Cost

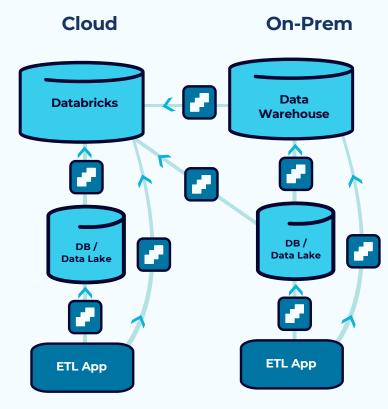
More data systems (e.g. DB) or DW costs to handle volume of data.

Slow time to analytics-ready data

Batch based processes with limited scale for "real-time". Migrating DW to cloud can take years.

No support for hybrid/multicloud

Having distributed data and systems across environments compounds issues.





Modernize your data warehouse with Confluent and Databricks

Reduce total cost of ownership

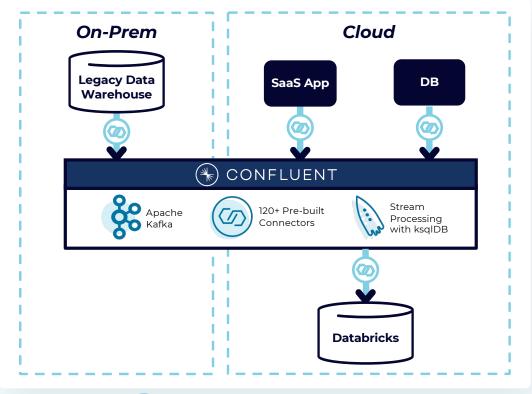
Process data in stream to lower DW costs. Lower data pipeline TCO with fully managed cloud service.

Power new analytics and apps

Link on-prem and cloud for easier data movement across environments with **real-time event streaming** to modernize your analytics and applications

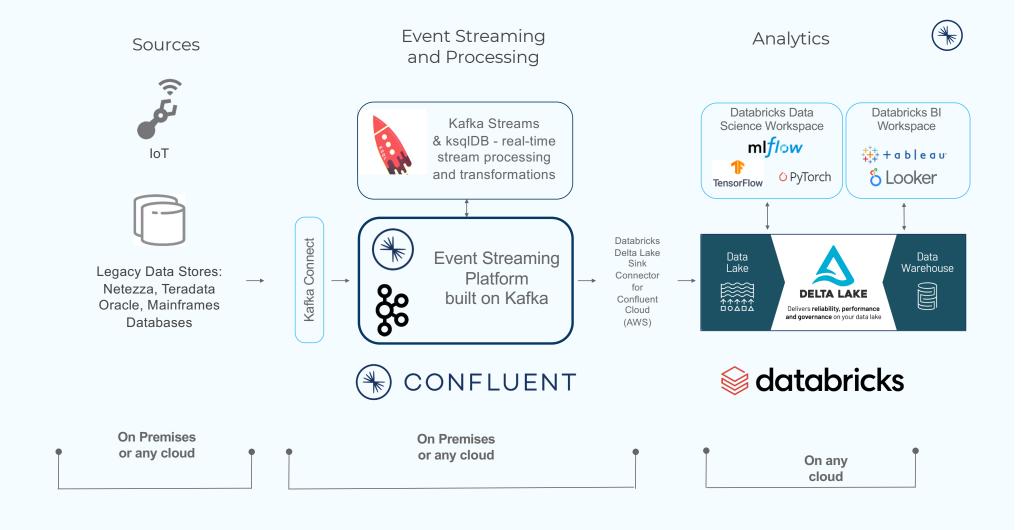
Get more data to and from your DW

Break data silos and easily connect your data warehouse to popular sources and sinks using Confluent's 120+ pre-built connectors





Real-time connections & streams



Instantly Connect Popular Data Sources & Sinks













































































databricks















splunk> sysl\$g













30+ Partner Supported, Confluent Verified

Confluent: Everywhere

Fully-Managed Service

Confluent Cloud

Apache Kafka Re-engineered for the Cloud





Self-Managed Software

Confluent Platform

The Enterprise Distribution of Apache Kafka



Available on the leading public clouds







Deploy on any platform, on-prem or cloud



3 Modalities of Stream Processing with Confluent

Kafka clients

```
ConsumerRecords<String, String> records = consumer.poll(100);
Map<String, Integer> counts = new DefaultMap<String,</pre>
for (ConsumerRecord<String, Integer> record : records) {
 String key = record.key();
  int c = counts.get(key)
  c += record.value()
  counts.put(key, c)
for (Map.Entry<String, Integer> entry : counts.entrySet()) {
  int stateCount;
  int attempts;
  while (attempts++ < MAX_RETRIES) {</pre>
     stateCount = stateStore.getValue(entry.getKey())
     stateStore.setValue(entry.getKey(), entry.getValue() +
stateCount)
   } catch (StateStoreException e) {
     RetryUtils.backoff(attempts);
```

}

Kafka Streams

ksqlDB

```
SELECT x, count(*) FROM stream GROUP BY x EMIT CHANGES;
```

Flexibility

Simplicity



Deliver value faster with ksqIDB Recipes

Delve into our collection of top stream processing use cases, which provide code samples and step-by-step tutorials to help you from idea to proof-ofconcept.

Plus, to make it even easier, there is a one-click button that will launch the SQL script directly within Confluent Cloud.

Anomaly and Pattern Detection

Identify patterns and unusual activity to detect fraud and monitor network health

Detect Unusual Credit Card Activity

Flag Abnormal IoT Devices

Handle Corrupted Data from Salesforce



Customer 360

Combine data sources for a unified 360-degree view of the customer across channels

Match Mutually Interested Online Dating

Understand User Behavior with Clickstream

Notify Passengers of Flight Updates

Build Customer Loyalty Schemes

Run analysis of a customer's online journey



Cybersecurity

Protect critical systems and sensitive information by detecting threats in real-time

Detect and Analyze SSH Attacks

Detect a slow DDoS attack

Identify firewall deny events

Filter Audit Logs for Output to Splunk



Logistics and IoT Management

Optimize supply chain operations and detect future failures with predictive maintenance

Optimize Fleet Management

Track order shipments in real -time



Predictive Analytics

Train predictive models by using machine learning to anticipate future outcomes

Optimize Omni-channel Inventory

Create personalized banking promotions

Retrain a machine learning model



/I Real-Time Alerts and Notifications

Build real-time alerts and notifications to power digital customer experiences

Create geolocation alerts and promotions

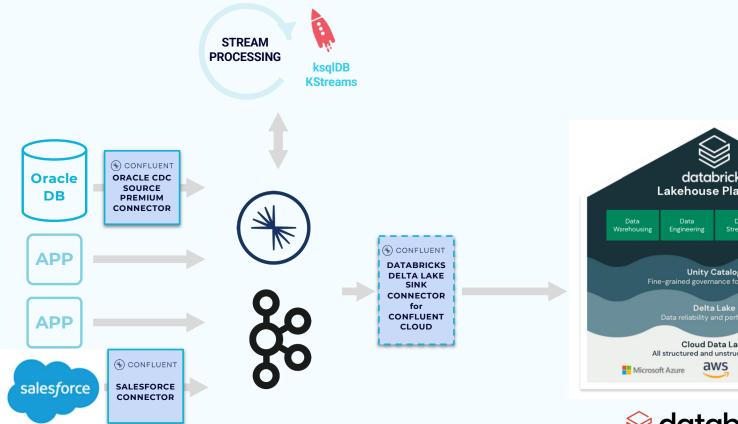
Notify Passengers of a Flight Delay

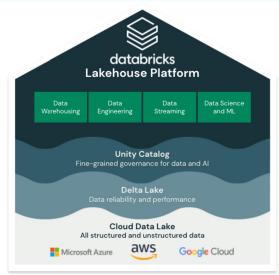
developer.confluent.io/tutorials

Demo

A financial service company wants to build real-time dashboards and analytics in Databricks but their data is spread across an on-prem Oracle data warehouse and cloud system.









Q&A

Please drop your questions in the chat.







Get started for FREE

\$400 free over **2 months** from sign-up

confluent.io/confluent-cloud



developer.confluent.io

The new one-stop shop for learning Apache Kafka, event streaming, and associated cloud technologies. The site comes with an extensive library of Kafka-related courses.

Thank you!