

STREAMING DATA PIPELINES

Utilize Real-Time, Analytics-Ready Data in Your Cloud Data Warehouses

Cloud data warehouses (DW) enable critical business insights and advanced analytics for organizations. With Confluent, you can build streaming data pipelines from hybrid and multicloud data sources to the cloud DW of your choice, unlocking real-time analytics and decision-making while reducing total cost of ownership (TCO) and time to value (TTV).



Power your analytics with high-quality data streams

Maintain high-fidelity data that's continuously flowing, evolving, and being processed in real time.



Boost dev productivity with self-service data products

Deliver ready-to-use, trustworthy data to your teams by shaping it into multiple contexts on the fly.



Decrease risk and cost of modernization

Adopt an incremental migration strategy and eliminate the risk of downtime or data loss.



Reduce the TCO of hybrid and multicloud data pipelines

Leverage pre-built source and sink connectors and a fully managed streaming platform to reduce TCO.

Today, there are unprecedented volumes of data in different formats, from a wide variety of sources. To turn this data into insight, organizations run ETL or ELT pipelines from operational databases into a DW. However, ETL and ELT processes are built around batch data extraction, batch data processing, and batch data delivery, which result in low-fidelity snapshots, inconsistencies, and data systems with stale information—making any subsequent use of the data instantly outdated.

Confluent as your streaming pipeline to cloud data warehouses

Unlocking real-time insights requires a streaming architecture that's continuously ingesting, processing, and provisioning data in real time. Confluent streaming data pipelines simplify data movement and allow real-time data flows to be combined and processed while in motion, minimizing latency and ensuring that the freshest data is ready for analysis at all times.

From APIs to drag-and-drop UI, built-in connectors, change data capture (CDC), and continuous SQL-based processing, Confluent helps you collect and process changing data from all your environments, on-premises and in one or more clouds, to stream curated data sets to your cloud DW. Enable your engineers and data scientists to unlock relevant real-time data for analytics and decision-making while empowering IT teams to confidently pave a path to cloud migration and transformation.

Connect any data source to your cloud DW in real time

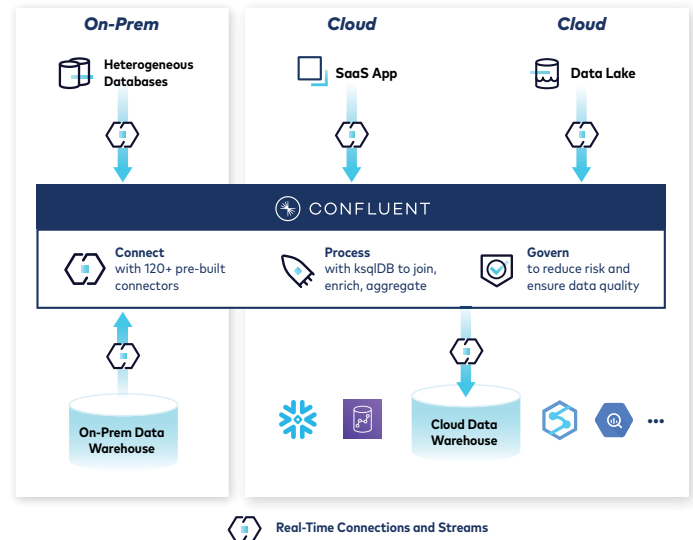
Confluent helps you build streaming data pipelines from hybrid and multicloud data sources to your cloud DW with a rich ecosystem of 120+ pre-built connectors (e.g., Teradata source and sink connectors; MySQL, PostgreSQL, SQL Server CDC source connectors; Snowflake, Redshift, Synapse, BigQuery sink connectors, and more). Easily bridge on-premises and cloud Confluent clusters with [Cluster Linking](#) to bring real-time data to your cloud DW.

Additionally, Confluent sink connectors enable you to take the same data powering your DW and send it to additional analytics applications no matter what cloud environment they live in. Leverage real-time data in your cloud DW to drive analytics, build real-time apps, and enable modernization efforts.

Process data streams at scale

Confluent's [ksqldb](#) helps you continuously process data using simple SQL to join, enrich, and aggregate data streams from anywhere prior to their landing in your cloud DW.

Any data-dependent system can consume the enriched data streams in real time as soon as new information becomes available.



Increase development agility, accelerate innovation, and streamline migration to your cloud DW.

Govern streaming pipelines to reduce risk and ensure data quality

Eliminate the operational complexity of building and managing data pipelines. Confluent's [Stream Governance](#) enables your engineers to discover, understand, and trust the data streams, so they can spend less time looking for the data and more time innovating for the business.

Download our free streaming data pipelines ebook

GET THE EBOOK



"With Confluent, every team, every microservice, every system can continuously act and react on the most up-to-date, enriched view of data the moment it's created, enabling us to meet the real-time needs of our customers."

– LUCAS VIECELLI, DATABASE RELIABILITY ENGINEER

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"The business case for doing [streaming] is compelling. Based on our testing and projections, we expect at least 10x ROI over 3 years for this investment."

– BOB PEARMAN, HEAD OF DATA AND ANALYTICS

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"[With Confluent], our machine learning developers and data scientists can now start to think about and work on in-stream data analysis and real-time models."

– DIMA KALASHNIKOV, TECHNICAL LEAD

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