

Streaming Data Integration for Snowflake

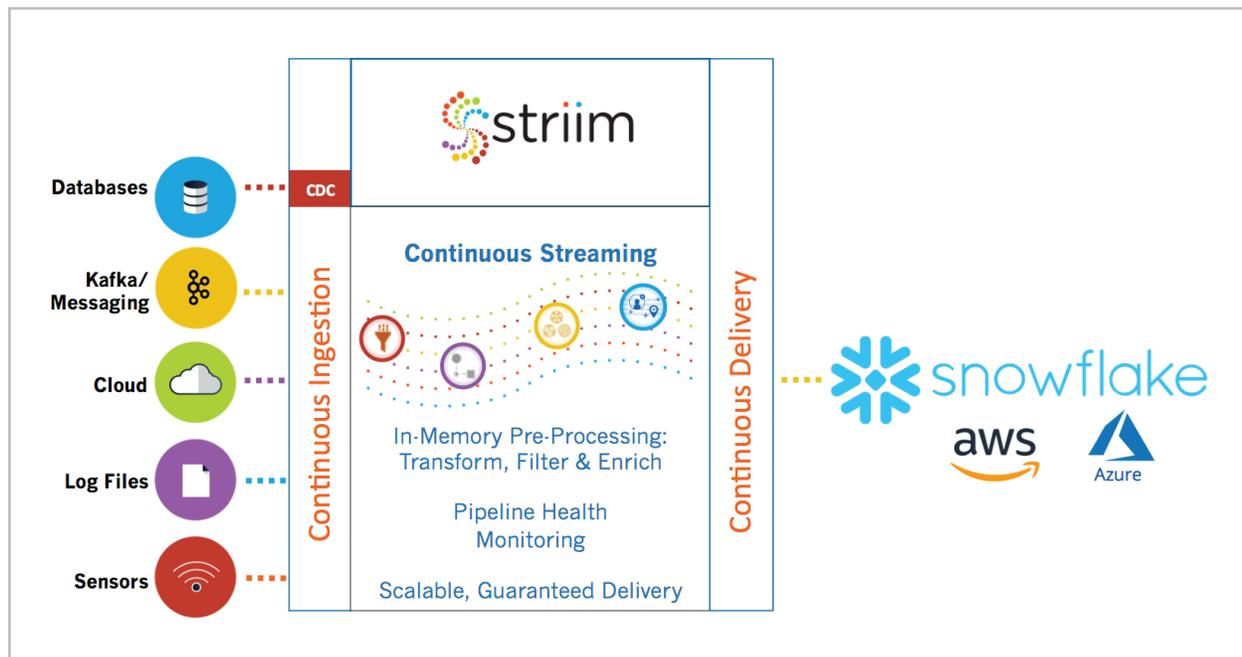
The Striim® platform, running in the AWS and Azure Cloud, loads real-time data to Snowflake with minimal impact from data warehouses, databases, log files from security devices and other systems, sensors, messaging systems, and Hadoop solutions, with in-flight transformations. Striim enables companies to stream enterprise data from on-premises and cloud-based sources to Snowflake in real time, with built-in scalability, security, and reliability. This minimizes risks in migrating to Snowflake and supports time-sensitive, operational decision making.

Load Data from Diverse Sources in Real Time

The Striim platform continuously ingests real-time data from a variety of sources out-of-the-box—including databases, data warehouses, security and other systems' log files, sensors, cloud applications, messaging systems, and Hadoop solutions—both on-premises or in the cloud. For enterprise databases and data warehouses such as Oracle, Oracle Exadata, Teradata, Redshift, SQL Server, MySQL, HPE NonStop, Amazon RDS, and MongoDB, the platform offers non-intrusive change data capture (CDC) to minimize the impact on source systems. Striim also supports major data formats, including JSON, XML, AVRO, delimited, binary, free text, and change records.

Benefits

- Load real-time data into Snowflake with minimal impact on sources
- Continuously ingest data from legacy data warehouses, databases, logs, messaging, sensors, and more
- Simplify your data architecture with in-flight data processing without extensive coding
- Use low-latency data in Snowflake for operational decision making



Striim loads real-time data to Snowflake from diverse data sources with built-in data processing and monitoring.

In-Flight Data Processing Using SQL

Through SQL-based continuous queries, the Striim platform filters, aggregates, transforms, joins, masks, and enriches multiple streams of real-time data in-memory to rapidly prepare the data for different downstream users before delivering to Snowflake. By delivering the data in a consumable format for advanced analytics applications, Striim further accelerates time-to-insight with Snowflake solutions.

Striim also comes with built-in monitoring capabilities. The platform enables users to continuously monitor the health of the data pipelines via real-time dashboards and alerts.

Phased Migration Without Downtime

Striim's real-time data synchronization capabilities enable data migration from legacy data warehouses and databases to Snowflake without requiring database downtime. Snowflake customers can also run their legacy data warehouses in parallel with Snowflake for a phased migration, and perform extensive testing to minimize risks.

Enabling Operational Intelligence in Snowflake

The Striim platform can continuously load pre-processed data to Snowflake with sub-second latency. By using up-to-date data in Snowflake, users can support time-sensitive analytics use cases—such as detecting and predicting security threats instantaneously, enabling location-based marketing, etc.—that provide significant operational value to the business.

Simplifying Data Architecture

Unlike traditional ETL solutions, Striim continuously ingests granular and larger data sets for richer analytics. It does so without impacting source systems and enables sub-second latency by processing the data in-memory, while it is streaming. In-flight data processing with Striim offers a simplified and scalable data architecture, which:

- Minimizes ETL workloads by performing transformations while data is in motion
- Optimizes data storage by filtering out unnecessary data
- Enables end-to-end recoverability and full resiliency without needing to manage multiple and varied components, and network hops across these components
- Supports compliance with privacy-related regulations via data masking

Striim also differs from traditional logical replication tools with its optimized support for a wide range of data types, data sources, and targets, and its out-of-the-box comprehensive stream processing capabilities.

Why Striim?

- Real-time data integration from a wide variety of enterprise data sources
- Designed for high-volume, high-velocity data
- Non-intrusive CDC from databases with event guarantees
- Built-in security, scalability, and reliability
- In-flight enrichment via built-in cache
- Quick to deploy via SQL-based queries and wizards-based UI

For more information, or to schedule a demo, please contact the Striim team at info@striim.com.