Data Streaming 101

How data streaming works to connect consumers and businesses in real-time.

Start processing data faster
Both processing tasks use a large volume of data for processing on quantum processors (e.g., 30,000 cores, 4,096 to 20,000 cores per day).

12 to 24 hours is too long to wait for fresh information.

Data can reach users faster now
Real-time data streaming emerges with new sources of data affecting traffic maps and event-level monitoring.

60% of IT leaders say difficulties integrating multiple sources is the top hurdle to processing more real-time data.

Data streaming tech like Confluent uses pipelines to integrate data from all sources.

Instead of relying on weeks-long cycles processing pipeline output, data, and manage data continuously. Data changes, called events, trigger new data to be received and integrated into the processing function.

68% of IT leaders say real-time data is very or extremely critical to achieving revenue goals.

Instacart’s real-time data streaming journey
Instacart meets the challenge of explosive pandemic growth with real-time streaming, bringing real-time predictive models to manage marketplace supplier and user serving across 16,000 stores.

Make data streaming work for you
Proactively monitor customer 360°, billing, fraud detection, and other commerce use cases. From companies using real-time data to achieve up to 70% of their annual growth at 50% or more between 2020 and 2022.

Find out more about streaming data in real time with Confluent.

Learn More

Based on a Confluent survey of 158 FT and enterprise professionals, January-March 2022.