

# Accelerating Real-time AI and Analytics with Cloudera and IBM

Real-time data is revolutionizing how businesses make decisions and deliver value. This Infographic explores how Cloudera and IBM combine forces to help enterprises unlock the true potential of data in motion, enabling smarter, faster, and more efficient operations.

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## Data Growth and Complexity Challenge Business Agility

The volume and variety of data are growing rapidly, and organizations are struggling to keep up. Many enterprises collect data from hundreds of unique sources, including streaming data, which is constantly changing. Despite this, most businesses can only use a portion of their data effectively, hindering their ability to innovate and remain competitive. Real-time data processing is now critical, yet many businesses are limited by outdated architectures, fragmented systems, and a lack of infrastructure flexibility.



72%

of organizations collect data from 100 or more unique sources daily, with 35% receiving data from 250 or more sources.



65%

of organizations use 21%-50% of their data for AI models on a daily or weekly basis.



54%

of organizations believe real-time data availability is a major factor in their data-readiness strategy.

## A Trusted Platform for Real-time Data and AI Insights

Cloudera and IBM watsonx deliver an integrated, scalable solution designed for real-time data processing, analytics, and AI. Organizations place high importance on data quality, governance, and validity. Their combined platform addresses the challenges of managing data in motion by offering hybrid cloud flexibility, self-service data pipelines, and strong governance. This empowers organizations to process streaming data in real time without compromising security, cost-efficiency, or scalability.

The Cloudera and IBM watsonx solution provides the following rich set of integrated features to simplify data movement, accelerate AI initiatives, and enable real-time analytics across hybrid environments:



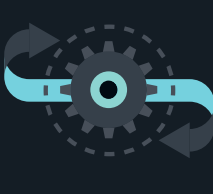
450+ application connectors



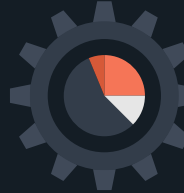
Accelerated development and inferencing for Enterprise AI on trusted and governed data



An open data lakehouse that bridges structured and unstructured data in hybrid environments



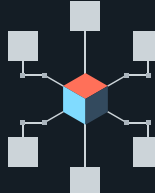
No-code self-service capabilities that enable faster data operations



Powerful analytics and AI using real-time data with IBM watsonx



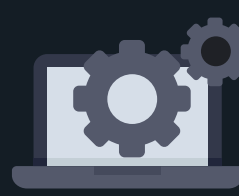
Real-time data movement and processing with Kafka and Flink



No-code data ingestion and management system with Apache NiFi

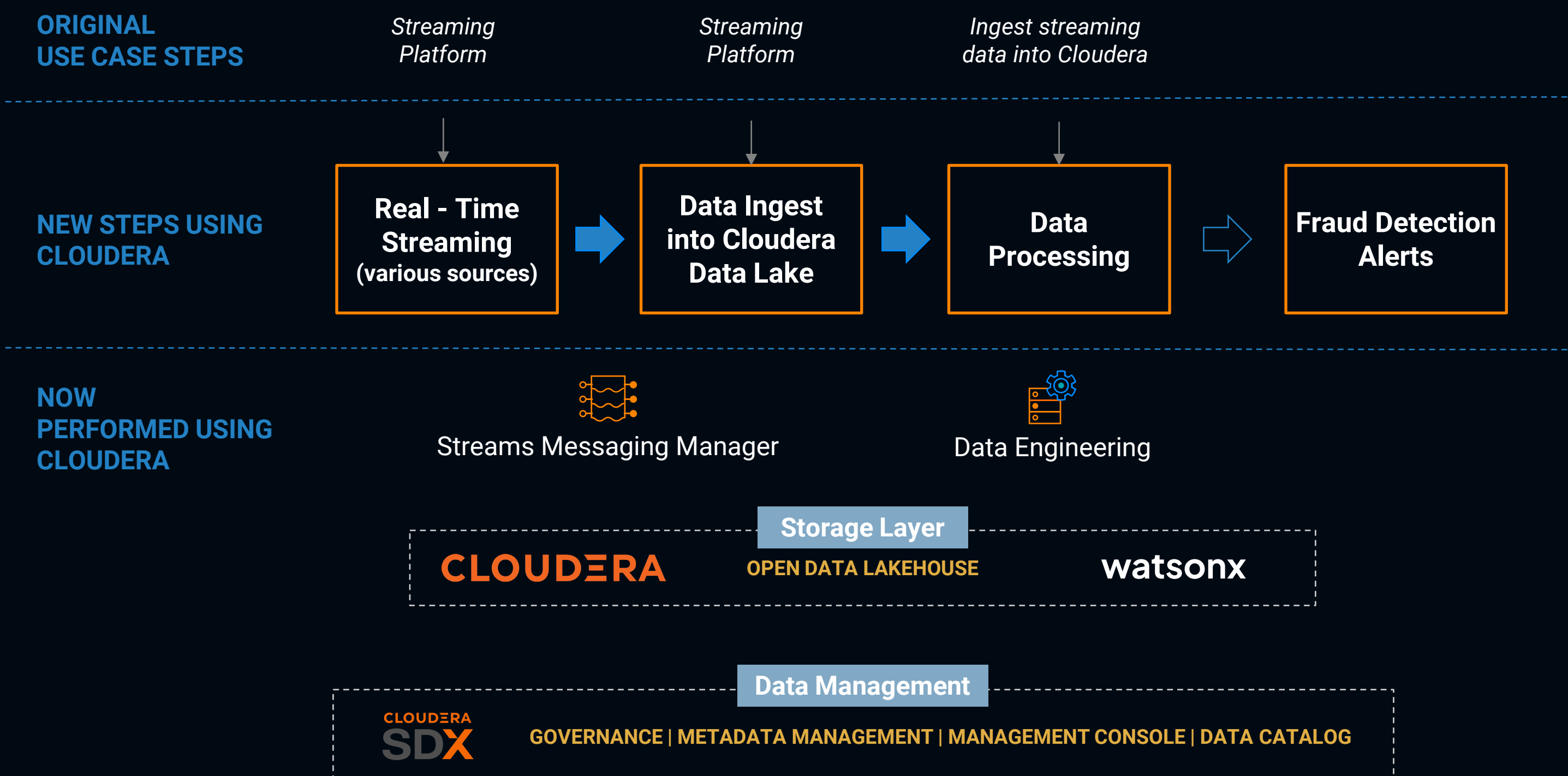


Cloudera Streaming Analytics, powered by Apache Flink, which offers a framework for real-time stream processing and streaming analytics



Cloudera Flow Management, a no-code data ingestion and management solution powered by Apache NiFi

## Financial Services Example



## Driving Business Agility and AI Success

By unifying their capabilities, Cloudera and IBM watsonx enable organizations to transform data into immediate business value. Their platform supports diverse workloads, reduces infrastructure costs, and accelerates time to value with scalable, secure, and efficient real-time analytics. Businesses can use this trusted foundation to drive operational efficiency, meet regulatory compliance, and build future-ready AI applications without vendor lock-in.

The combined power of Cloudera and IBM watsonx delivers measurable benefits that go beyond technology, empowering organizations to streamline operations, strengthen governance, and drive real-time business outcomes. The key advantages of this integrated, hybrid solution include:



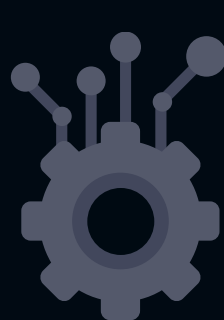
Real-time insights to improve decision-making and efficiency across industries.



Reduced infrastructure complexity with hybrid, scalable architecture.



Enhanced data governance and compliance readiness.



Operational agility through advanced retrieval-augmented generation capabilities.

## Better Together

With Cloudera and IBM, organizations can maximize the value of both real-time and historical data to power advanced analytics and AI initiatives. This unified platform delivers the scalability, flexibility, and governance required to support diverse workloads. By providing a strong alternative to Kafka and Flink deployments, Cloudera and IBM watsonx simplify data streaming and processing while reducing infrastructure costs and operational overhead. Their combined solution enables businesses to make faster, smarter decisions; drive operational efficiency; and empower sustainable business growth.

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