

Unlock the Value of Data with Event Streaming and Graph Databases

A Confluent and Neo4j Solution Brief

Neo4j combined with Confluent Platform enables real-time data relationships resulting in new and powerful capabilities for enterprise customers

Businesses today rely on data that is connected and event driven. Neo4j's connected data technology allows data to be represented as a graph. Combined with the event streaming platform from Confluent enables real time data relationships; resulting in powerful, new capabilities for enterprise customers. Integration with Kafka and Confluent Platform allows change events from Neo4j to be available to Kafka, so that other systems can consume them and update downstream systems. Additionally, the integration enables Neo4j users to consume events from Kafka and turn events into graph structures.



Neo4j and Confluent together help customers:

- Realize more value from streaming data by combining flexible "whiteboard friendly" graph modeling with event streaming
- Enrich transaction streams for powerful pattern insights, such as assignment of a fraud score to a financial transaction
- Enable graph-based analytics to uncover issues for immediate action such as fraud scams



Why Neo4j Graph Database?

Enterprises today don't only need to manage larger volumes of data, but they critically need to generate insight from their existing data. The relationships between data points matter almost more than the individual points themselves. To leverage those data relationships, organizations rely on database technology that stores relationship information as a first-class entity. This connections-first approach powers applications tackling artificial intelligence, fraud detection, real-time recommendations and master data management.

Confluent Platform and Neo4j

The combination of Neo4j graph database with Confluent's event streaming platform helps organizations understand their data better, producing better business decisions. With Kafka Streams and KSQL from Confluent, real-time processing and responding are enabled. When event streams are enriched with powerful graph-based analytics, clearer correlations can be made, for example, the assignment of fraud scores to a financial transaction or ability to provide an influence metric with a social connection. Connected information also enables real time analytics that uncover security risks or provide competitive sales insights that require immediate attention.

Together, Confluent Platform and event streaming with Neo4j graph platform enables real time data relationships; resulting in powerful, new capabilities for enterprise customers - on premises or in the cloud.

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About Confluent

Confluent, founded by the original creators of Apache Kafka®, pioneered the enterprise-ready event streaming platform. With Confluent, organizations benefit from the first event streaming platform built for the enterprise with the ease-of-use, scalability, security and flexibility required by the most discerning global companies to run their business in real time. www.confluent.io. Download at www.confluent.io/download.

About Neo4j

The Neo4j Graph Platform helps organizations make sense of their data by revealing how people, processes, locations and systems are interrelated. This connections-first approach powers applications tackling artificial intelligence, fraud detection, real-time recommendations and master data. The company boasts the world's largest dedicated investment in graph technology, has amassed more than 20 million downloads and has a huge developer community deploying graph applications around the globe.

[Neo4j.com](https://neo4j.com)