Build Real-Time SQL Dashboards and APIs on Data in Apache Kafka®

A Confluent and Rockset Solution Brief

Confluent Platform and Rockset enable users to easily create real-time APIs and live dashboards using standard BI tools on sensor, clickstream and streaming data.

Rockset is a fully managed search and analytics service that makes it possible for teams to analyze and act on event data in real time, simply using SQL. Rockset connects to Apache Kafka® and Confluent Platform to continuously ingest event streams and provides full-featured SQL for filtering, aggregations and joins with other data sets.

Together, Rockset and Confluent:

- Join streaming data with enterprise data for richer insights into your business operations
- Run fast, full-featured SQL on automatically indexed Kafka data
- Power real-time applications, APIs and dashboards using Rockset as a SQL serving layer
Rockset Stack and Confluent Platform for Operational Analytics

The Rockset Kafka Connector is a Verified Gold Kafka Sink Connector that sends events from Kafka topics in Confluent Platform to a collection of documents in Rockset. Rockset surfaces Kafka data to BI dashboards, like Tableau, via JDBC, and provides Python, Java, Node.js and Go SDKs for building real-time APIs.

Use cases include

- Operational monitoring: Get real-time visibility into what’s happening at every stage of your event-driven business. Join unstructured event data with business data and drill down into issues as they occur.
- APIs for Developers: Power your internal tools and customer-facing applications using Rockset’s SQL API on event data from Kafka. Empower your developers to build better applications faster by giving them real-time API access.
- Sensor data analytics: Analyze sensor data in real time, detect anomalies and trigger automation. Take the right actions at the right time to sort, filter and search on raw sensor data at scale, without any ETL.

Confluent Platform and Rockset for an Enterprise-Ready Solution

Confluent Platform is the only enterprise stream platform built entirely on Kafka that makes implementing, managing and deploying an enterprise streaming platform with Kafka easy, reliable, secure and auditable. Rockset and Confluent Platform are both offered as a fully managed service in the cloud that scales seamlessly, so you don’t have to provision, configure or manage any software or infrastructure.

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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.


About Rockset
Rockset is a serverless search and analytics engine that makes it easy to go from data to applications. Developers and data engineers use Rockset to power data-driven applications and interactive dashboards without having to manage custom data pipelines, servers or databases. Rockset was created by a team of industry veterans with decades of experience in web-scale data management and distributed systems. rockset.com.