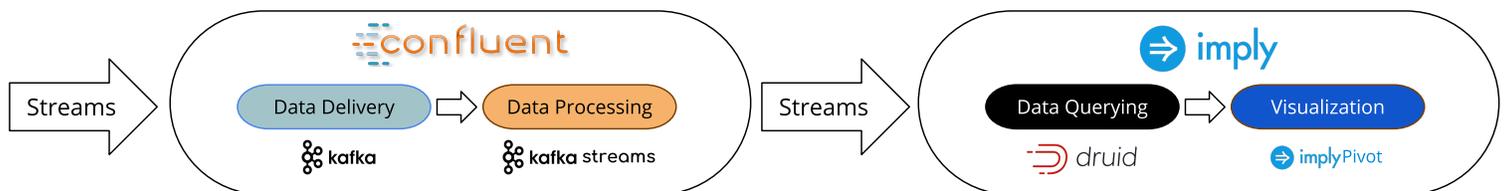# An End-to-End Streaming Analytics Solution

A Confluent and Imply Solution Brief

Confluent Platform and Imply enable next generation data stacks for exploring and visualizing event-driven data in real-time

Traditionally, data analytics has been batch-oriented. Data analysts write complex SQL queries and create static reports by querying a data warehouse. However, when data analytics becomes stream-oriented, many new workflows are possible. Queries naturally become exploratory and ad-hoc, and users can interact with real-time data to compare current performance to historical, detect anomalies and explain the root cause.

Interactive, real-time data exploration is a powerful new use case that could not be easily done before. An end-to-end streaming stack comprised of the Confluent Platform and Imply provide a foundation for new use cases and analytics workflows with streaming data.

An End-to-End Architecture for Streaming Analytics

Together, Imply and Confluent provide:

➢ *A fully end-to-end streaming analytics stack with exactly-once guarantees*

➢ *Easy, interactive, ad-hoc data exploration of data in Apache Kafka® topics*

➢ *New analytic use cases for streaming data through Apache Druid (incubating), a new type of database ideally suited for event-driven data*

➢ *Freedom of choice to deploy anywhere – on premises or in the cloud*

➢ *Easy data pipelines: Druid integrates with Kafka natively*

Imply is a high-performance analytics solution built on Apache Druid (incubating)

to store, query, and visualize event-driven data. Imply was founded by the creators of Druid, a widely-adopted open source analytics engine. Imply enhances Druid with a powerful operational UI, enterprise grade security, easy cluster management, and performance analytics tools. Druid's innovative architecture makes it an ideal query engine in modern streaming data architectures and in use cases with clickstreams, application metrics, supply chain data, and network telemetry. Imply is designed for workloads where users analyze and explore data through an interactive UI where query performance and uptime are critical.

Confluent Platform completes Apache Kafka

through a complete enterprise-ready event streaming platform, with mission-critical reliability and freedom of choice – cloud or on-premises. Connect all your applications and data with the broadest ecosystem of connectors and process and respond in real-time with Kafka Streams and KSQL. With Confluent Platform, you can deploy with confidence on the platform built by the Kafka experts, stream at enterprise scale, and trust in the security of enterprise-grade encryption, authentication and authorization.

Confluent Platform and Imply deliver enterprise-grade streaming analytics

Confluent Platform is the only event streaming platform built entirely on Kafka that makes implementing, managing and deploying an enterprise streaming platform with Kafka easy, reliable, secure and auditable. Imply acts as a sink for Kafka and Confluent Platform and provides a comprehensive analytics and visualization solution based off of Apache Druid. Together, Confluent and Imply make ad-hoc analytics on event streams a reality.

Contact Confluent

Confluent.io/contact

+1(800) 439-3207

Contact Imply

Imply.io/contact

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 Imply

Imply is a high-performance analytics solution to store, query, and visualize event-driven data. Imply is available as both an on-premises and as a managed cloud service. The full solution combines Apache Druid (incubating) with Imply Pivot, an operational analytics UI, Imply Clarity, a performance analytics and monitoring tool, Imply Manager, an easy cluster management and deployment tool and Imply Security, a comprehensive enterprise grade security system. Imply is used to analyze a wide range of event-driven data, including clickstreams, application metrics, and network telemetry. Visit Imply.io