

Comprehensive Streaming Analytics Platform for Visualizing Real-time Data

A Confluent and Altair Panopticon Solution Brief

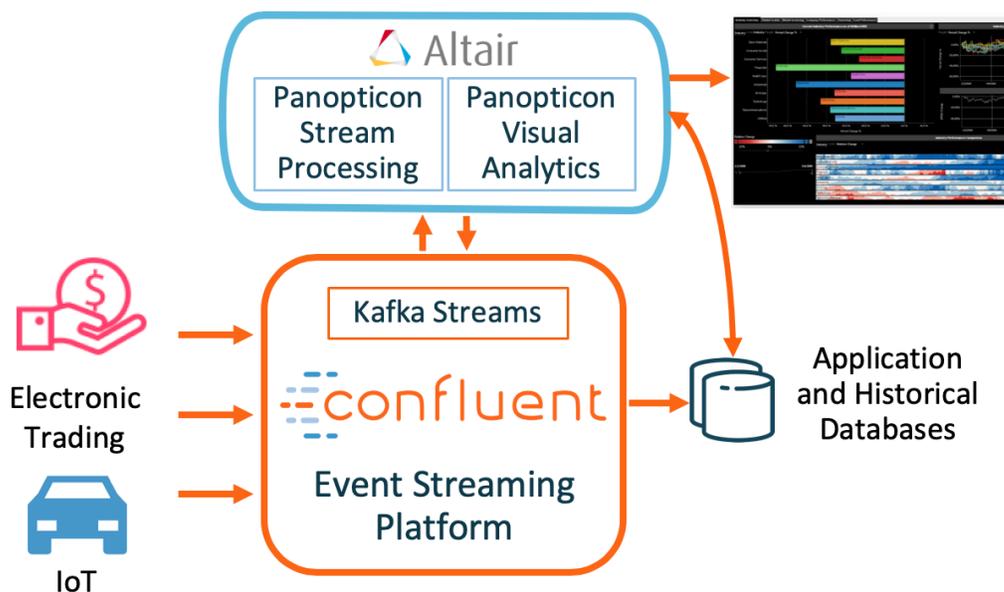
Customers today are dealing with huge amounts of fast changing data requiring immediate, real-time decisions, particularly in financial markets and Internet of Things (IoT) applications.

With Panopticon and Confluent Platform, business users are enabled to build sophisticated stream processing data flows using a standard web browser, start their analytical models, and begin visualizing output in minutes. Users don't need to know how to write any Java or Scala scripts to make full use of the combined platform's wide range of event streaming capabilities.

Panopticon supports a comprehensive set of real-time and time series data visualization and data handling capabilities and works directly with Apache Kafka® and Confluent Platform for a complete solution.

Together, Panopticon and Confluent:

- *Real-Time Views – Fast insight to improve performance*
- *Detect Anomalies – Program alerts to help identify fraud, performance issues, and other outliers*
- *React Immediately – Turn raw events into action. Optimize performance or change behaviors*
- *No Coding – Reduce development time for new streaming analytics applications and dashboards to minutes*





Altair Panopticon – a comprehensive monitoring and analysis platform

The platform consists of Panopticon Visual Analytics software and Panopticon Streams, an event processing engine that enables business people to program sophisticated business logic and data functions using a fully visual interface.

In capital markets, Panopticon supports the unique requirements of high frequency trading desks and allows them to react immediately to fast moving market events. It's a perfect fit for investment banks, hedge funds, exchanges, and asset managers that wish to improve profitability, ensure best execution, monitor risk, and comply with MiFID II and other regulations.

In IoT, energy, and telecommunications, Panopticon helps operations people identify potential failures before they can impact the business, improve profitability, reduce the cost of regulatory compliance, and reduce operational risks. Specific applications include logistics, smart buildings, manufacturing, network and grid monitoring and revenue assurance, and predictive maintenance.

Confluent Platform makes Kafka enterprise-ready

Founded by the original developers of Apache Kafka®, Confluent delivers the most complete distribution of Kafka with Confluent Platform. Confluent Platform improves Kafka with additional community and commercial features designed to enhance the streaming experience of both operators and developers in production, at a massive scale.

Panopticon and Confluent Platform

Confluent provides a robust and performant platform for Panopticon's analytics processing. Kafka Streams enables partitioning, load-balancing, fail-over and security while schema registry and Avro form the foundation for data manipulation that is essential for modelling. Together, customers enjoy a faster time-to-market and easier user adoption for visualizing real-time data.

Contact Confluent

[Confluent.io/contact](https://confluent.io/contact)

Contact Altair

[Altair.com/panopticon](https://altair.com/panopticon)

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 Altair

Altair transforms design and decision making by applying simulation, machine learning and optimization throughout product lifecycles. Altair's software products represent a comprehensive, open-architecture solution for simulation, data intelligence, and cloud computing. We empower decision making for improved product design, manufacturing, energy management and exploration, financial services, health care, and retail operations.

www.altair.com/panopticon.