TIBCO Spotfire Data Streams

BENEFITS

ACCELERATE ANALYTICS
Serve your Spotfire dashboards with real-time data and contextual awareness to generate faster, deeper insights.

GET TO THE ROOT OF THE ISSUE
Navigate between real-time to historical data to analyze the root cause of problems or issues.

DRILL DOWN INTO WHAT'S HAPPENING NOW
Visualize and compare specific time intervals to see more details of what's happening now.

GENERATE HIGHER VALUE INSIGHTS
Analyze emerging patterns and outliers in real-time data alongside historical data for high-value insights and more opportunities.

EMPOWER TEAMS WITH REAL-TIME AWARENESS AND SELF-SERVICE
Give your users the ability to spot issues sooner and fix them faster using better data.

KNOW INSTANTLY WHEN CHANGE OCCURS
Set and receive alerts so you can detect problems when they happen and resolve issues before they turn into problems.

AT A GLANCE
TIBCO Spotfire® Data Streams powers streaming data in Spotfire® analytics so you can analyze and visualize what's happening right now. With an ultra-fast continuous query processing engine, Spotfire Data Streams supports live real-time data from almost anywhere and can combine it with historical data through native or easy-to-build custom data connectors.

With real-time computations against high-speed streaming data and continuous pushing of results to live queries, Spotfire Data Streams offers users faster time to actionable insights by enabling self-service visual analytics on real-time data.

Spotfire Data Streams: Enabling continuously updated visual analytics as conditions change.

CAPABILITIES

ULTRA-FAST CONTINUOUS QUERY ENGINE
Spotfire Data Streams moves streaming data into the Spotfire platform for a real-time view into business operations. Real-time analytics and continuous updates are pushed to users in milliseconds, enabling analysis and action while it still matters.

BROAD CONNECTIVITY TO REAL-TIME, IOT, AND BIG DATA
With over 80 pre-built connectivity options to real-time streaming sources such as MQTT; WiTS; OsiPi; message buses like EMS, JMS, and Kafka; IoT; and capital market data providers, integration with live data is quick and easy. Include historical data from sources such as JDBC, MySQL, SAP HANA, and more, as well as static data in CSV files and others. Need a custom connector? Spotfire Data Streams makes them easy to build.

ALERTS AND NOTIFICATIONS
Key business events are continuously processed, so alerts can be delivered immediately. You can define alert rules and corresponding actions such as sending an email, writing data to a dedicated table, or triggering a mobile alert message.

BUILT-IN DATA WRANGLING
Through a drag and drop interface, Spotfire Data Streams lets you wrangle, transform, clean, filter, and aggregate real-time data within the event workflow and combine it with other data sources.

BUILT FOR BIG STREAMING DATA
With high performance and low latency, Spotfire Data Streams is designed for the most demanding enterprise environments—tens of millions of events a day per server, and thousands of continuous, streaming queries—ensuring your data is always up to date.

SELF SERVICE ANALYTICS
Users are given self-service access to live data and can compose their own ad-hoc queries, create alert rules, and interact with data through highly configurable tables, graphs, drill downs, and aggregate views of continuously updating information.
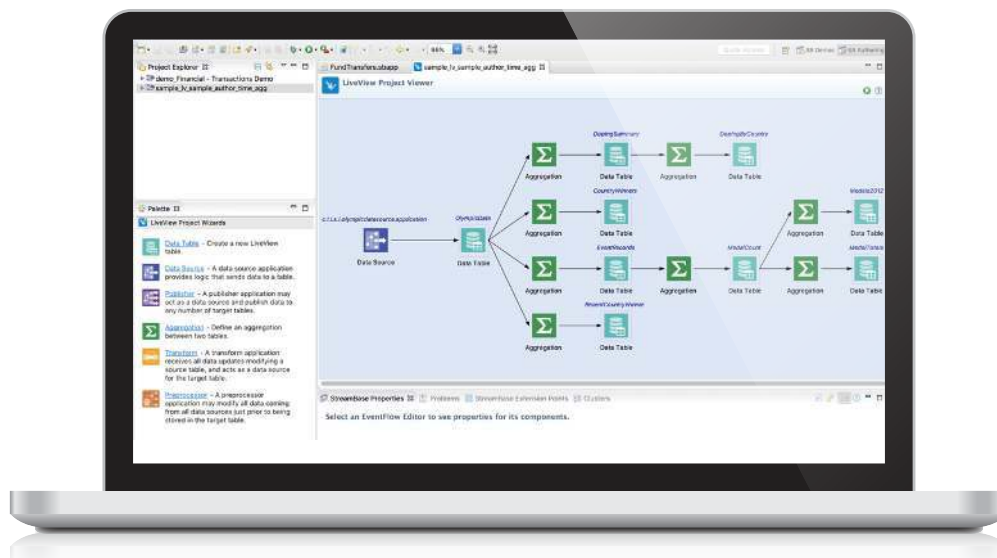
HOW IT WORKS
Spotfire Data Streams Server manages data connectivity, storage, continuous queries, alerts, client connectivity, user authentication, and security. At the heart of the server is the continuous query engine that processes high-speed streaming data, creates fully materialized live data tables, manages ad-hoc queries from Spotfire and continuously pushes live results as conditions change in real time. Spotfire Data Streams also provides aggregation and normalization for historical and streaming data, enabled by pre-built connectivity to over 80 data sources, as well as custom connectors.

USE CASES
Whenever there is a need to respond quickly to frequent changes and/or to compare real-time and static/historic data, Spotfire Data Streams enables streaming analytics:

- Manufacturing: High-tech yield optimization
- Logistics: Real-time track and trace
- Retail: Continuous live sales operations for peak sales times (Black Friday, Cyber Monday), inventory management, sentiment analysis, and alerting
- Energy: Wind turbine operations and maintenance, oil and gas drilling and pumping, predictive analytics
- Transportation: Airport ground staff operations, servicing, and scheduling
- Finance: Fraud detection
- Capital Markets: Trade flow monitoring and surveillance, FX liquidity analysis, risk management, P&L management
- Cross-industry: IT infrastructure monitoring

Spotfire Data Streams Studio

PLATFORM SUPPORT

- Apple macOS 10.11.x, 10.12.x, 10.13.x 64-bit on x86-64
- CentOS 7.x 64-bit on x86-64
- Microsoft Windows 7, 8.1, 10 64-bit on x86-64
- Microsoft Windows Server 2008 R2, 2012 R2, 2016 64-bit on x86-64
- Red Hat Enterprise Linux Server 6.x, 7.x 64-bit on x86-64

TIBCO fuels digital business by enabling better decisions and faster, smarter actions through the TIBCO Connected Intelligence Cloud. From APIs and systems to devices and people, we interconnect everything, capture data in real time wherever it is, and augment the intelligence of your business through analytical insights. Thousands of customers around the globe rely on us to build compelling experiences, energize operations, and propel innovation. Learn how TIBCO makes digital smarter at www.tibco.com.