

Detect and Act: Insight from Event Streams



The Best-Run Businesses Run SAP®

Summary

SAP HANA® smart data streaming lets you capture, analyze, and act on the continuous flow of new information that streams into your business, identify emerging threats and opportunities as they happen, and respond immediately. SAP HANA smart data streaming is a highly scalable event processor for the SAP HANA platform that enables you to capture and process streams of events from many sources in real time to provide a subsecond response to incoming data.

Objectives

- Monitor incoming event streams to watch for trends, patterns, and correlations, and respond as events happen
- Enable push notifications so users know when to act
- Initiate an immediate, automatic response to urgent situations

Solution

- High-speed event processing of millions of events per second with results streamed out within milliseconds
- Versatile event processing language for developing and deploying complex data models in hours
- Intuitive design-time tools to accelerate the modeling of event flows
- Integration with existing data sources and applications using a wide range of adapters and interfaces

Benefits

- Collect, manage, filter, and digest data from any source
- Immediately react to new information and use alerts to discover emerging opportunities or threats as fast as they occur

Learn more

Call your SAP representative, or visit us online at <http://hana.sap.com/abouthana/streaming>.





OBTAIN REAL-TIME INSIGHT FROM EVENT STREAMS

SAP HANA smart data streaming turns streams of event data into actionable information. Combining data from any number of sources, it jettisons the irrelevant and examines events in the context of other events to determine what's important. And it does all this at very high speeds in real time – so you respond faster to changing conditions, see threats and opportunities as they emerge, and make better decisions based on more complete, timely information.

ANALYZE AND ACT ON FAST-MOVING DATA

Instead of running queries against static data, SAP HANA smart data streaming lets you define “continuous queries” in advance. As new data arrives, it flows through the queries, producing a continuous stream of insight, so you can:

- Immediately react to new information

- Alert users to emerging opportunities or threats
- Make decisions using continuously updated information

See [figure](#) on the next page.

EXTEND THE POWER OF THE SAP HANA PLATFORM

With optional smart data streaming, applications developed for SAP HANA incorporate real-time event stream processing, so they:

- Receive event streams from multiple sources using available adapters and custom adapters
- Filter or transform data before capturing it in SAP HANA tables
- Join live event streams to tables and views
- Execute event-driven queries or analytics against the SAP HANA database
- Correlate incoming events to capture high-level information in the SAP HANA database
- Detect trends, patterns, and correlations



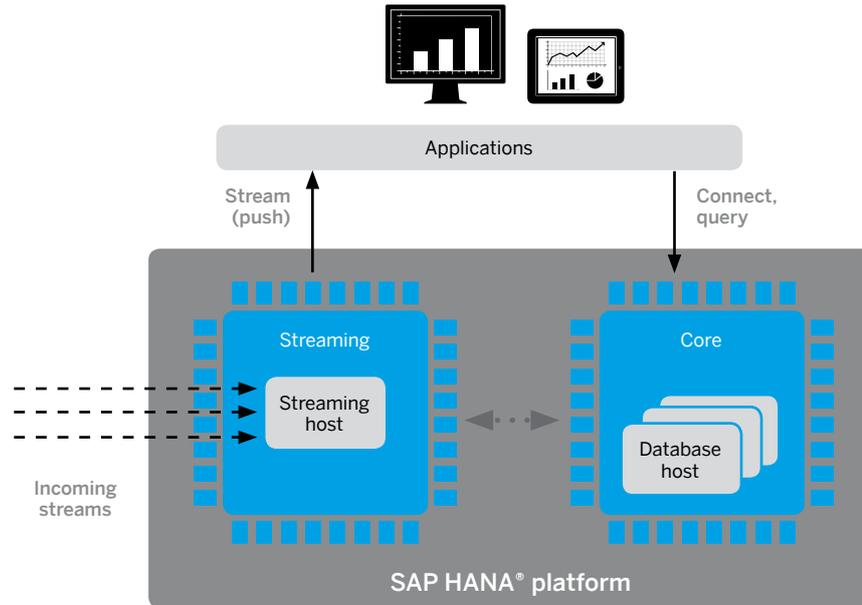


Figure: Native Event Streaming in SAP HANA for High-Speed Data Collection and Monitoring



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