

Data-Centric Security & Compliance for Streaming Data at Scale

A Confluent and SecuPi Solution Brief

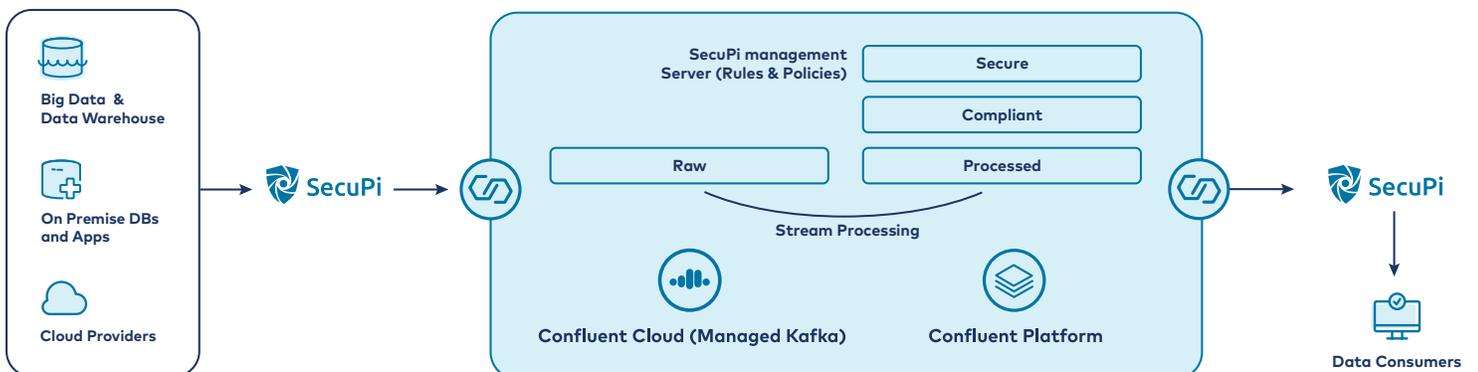
Event streaming with a centrally managed, policy-based, privacy compliant solution with Confluent and SecuPi

Customers today are concerned about moving sensitive data to the cloud and must adhere to an ever-growing list of privacy laws and cross-border data flow restrictions. When data is everywhere and accessible, how can access control be easy and transparent to the user while protecting data from abuse, theft and malicious intent?



Why SecuPi and Confluent?

- **Transparent and fully scalable data protection** Fully distributed, tightly integrated data protection applied as far upstream as possible in the data flow.
- **Seamless integration** SecuPi overlays all of the required granular, fine-grained access controls, accountability and privacy compliance functionality without changing Producer, Consumer and ksqldb processes.
- **Industry leading privacy compliance** SecuPi's data protection capabilities provide the same functionality available for RDBMS platforms and applications.
- **Data-centric security and privacy policy enforcement** Consistent, centrally managed, policy-based access controls are enforced end-to-end across the enterprise through a single pane of glass.



SecuPi and Kafka

SecuPi can enforce data protection, access control and privacy compliance policy on the data being produced and a different policy on the data consumed, on various topics. This is accomplished without changing applications, source systems or the Kafka infrastructure.

SecuPi and Confluent Integration

SecuPi runs on each Producer and Consumer processes as required without introducing a single point of failure or performance bottleneck. The most common integration method is installing a single JAR file on each Producer and Consumer process. SecuPi then enforces the centrally managed policy (rules) for selective field level encryption, decryption or masking and provides a completely independent audit trail of all access to sensitive or regulated data. A second deployment option includes protection on the Consumers only, and a third option supports ksqlDB with the SecuPi Agent installed on each ksqlDB server.

Better Together

SecuPi and Confluent have worked together to ensure seamless integration of SecuPi's data protection and privacy compliance capabilities with Kafka implementations to provide the same standard SecuPi functionality available for traditional RDBMS platforms and applications, on-premise or in the cloud.

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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. www.confluent.io. Download at www.confluent.io/download

About SecuPi

SecuPi delivers data-centric security with data-flow discovery, real-time monitoring, behavior analytics, and protection (column/row/cell-level encryption, "Right of Erasure") across operational & analytical applications on-prem and the cloud. Leading organizations in the banking, insurance, telecommunications and health industries deploy SecuPi to ensure sensitive data is accessed on a "need-to-know" basis while addressing technical requirements for privacy regulations (e.g. CCPA, GDPR) and Data-cross border controls. It protects sensitive data from privilege abuse by malicious insiders and credential theft using Behavior Analytics models. Secupi.com