Enable seamless real-time industrial data processing at the edge with integrated intelligence and scalable time series analytics.

InfluxDB Time Series Database

Leading time series platform designed to collect, store, and analyze time series data at any scale, empowering organizations to deliver valuable insights for real-time decision-making and operational efficiency.

Crosser

The Crosser Platform enables real-time processing of streaming, event-driven, or batch data for intelligent pipelines and automation, and industrial IoT data flows.

Solution Features

This powerful combination of Crosser and InfluxDB enhances operational efficiency, accelerates insights, and supports advanced IoT applications with reliable, low-latency data handling at any scale.

Real-Time Data Processing & Insights

Process and analyze time series data instantly for faster insights and decision-making. Real-time processing of streaming, event-driven, or batch data enables real-time monitoring, automation, and predictive maintenance, while minimizing processing delays.

Seamless Edge-to-Cloud Integration

Real-time integration between any industrial data source or system. Collect, process, and enrich operational and asset data at the edge before securely sending it to InfluxData for storage and further analysis.

Advanced Analytics and Automation

Combine Crosser's low-code intelligence with InfluxDB's SQL-based query engine and open stack for smarter operations. Run autonomous local intelligence by deploying ML models at the edge, on streams, or in batches of time series data—all without cloud connectivity.

Scalable and Flexible

With hybrid deployment flexibility, adapt to any infrastructure, whether on-premise, in the cloud, or at the edge, to meet evolving business needs.
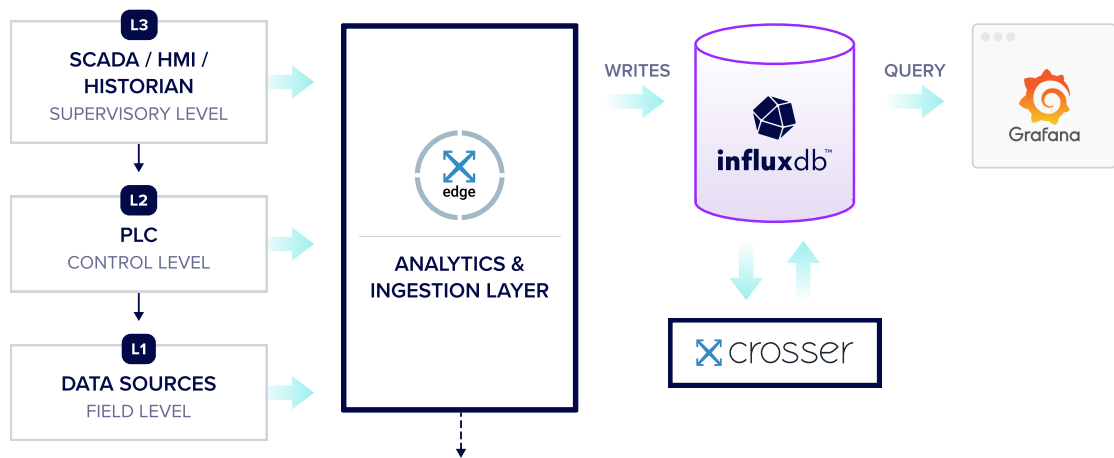
Reduced Data Storage Costs

Preprocess and filter data at the edge to store only relevant information in InfluxDB, optimizing storage and retrieval costs. InfluxDB offers unlimited storage for industrial data at a lower cost thanks to high data compression and low-cost object storage.

Modern Digital Historian

Together, Crosser and InfluxDB create a modern, flexible, and scalable historian solution for industrial IoT data. Implement Unified Namespace (UNS) and add intelligence to your data-in-motion architecture with a more interoperable and cost-effective alternative to legacy systems.

Reference architecture:

InfluxDB and Crosser

L3 SCADA / HMI / HISTORIAN — SUPERVISORY LEVEL

L2 PLC — CONTROL LEVEL

L1 DATA SOURCES — FIELD LEVEL

ANALYTICS & INGESTION LAYER — edge

WRITES → influxdb ← → crosser

QUERY → Grafana

→ CONNECT TO ANY INDUSTRIAL DATA SOURCE
DEVICES, PLCS, OPC UA, SQL, AND HISTORIAN SERVERS

→ PROCESS, TRANSFORM, ANALYZE, STREAM
MANAGE AND DEPLOY ML MODEL

→ MONITOR, VALIDATE, & CONTROL INTEGRATION FLOWS
OBSERVABILITY