

SOLUTION BRIEF

Real-Time Solutions for IoT

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Real-Time Solutions for IoT

As always-on devices and sensors proliferate, their data must be ingested and actionable in the moment. Their infrastructure behind each IoT application will be powered by a real-time database. MemSQL supports fast ingest and concurrent analytics for sensor systems, delivering instant actionable insights.

Why MemSQL For IoT Analytics?

MemSQL simultaneously ingests, updates, and analyzes millions of events per second on industry standard hardware to deliver real-time insights for sensor based applications.



Collect and store multiple streams of data into a relational format for real-time or historical analysis, without relying on slow batch processing.



Instantly discover anomalies or predict events in the moment with memory optimized standard SQL.



ANSI SQL compliant with full data persistence improves data accuracy that works with existing business intelligence and middleware tools.



Shared nothing architecture for scale out or up using industry standard hardware. Built-in resilience keeps the database online. Deploy on-premises, as-a-service or a hybrid of both.

Customer Success



Example IoT Applications

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Respond to system and device anomalies or issues with real-time monitoring and detection. Store events as they occur while providing scalable SQL access for immediate response

MemSQL can monitor networks, machines or web interactions in real-time to help IT personnel or operations managers respond to issues as they happen. The streaming ingestion engine can scale to millions of devices or events a second while simultaneously enabling analytic queries without performance degradation.

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- Network Monitoring
- Fraud Detection
- Website Monitoring
- Equipment Monitoring



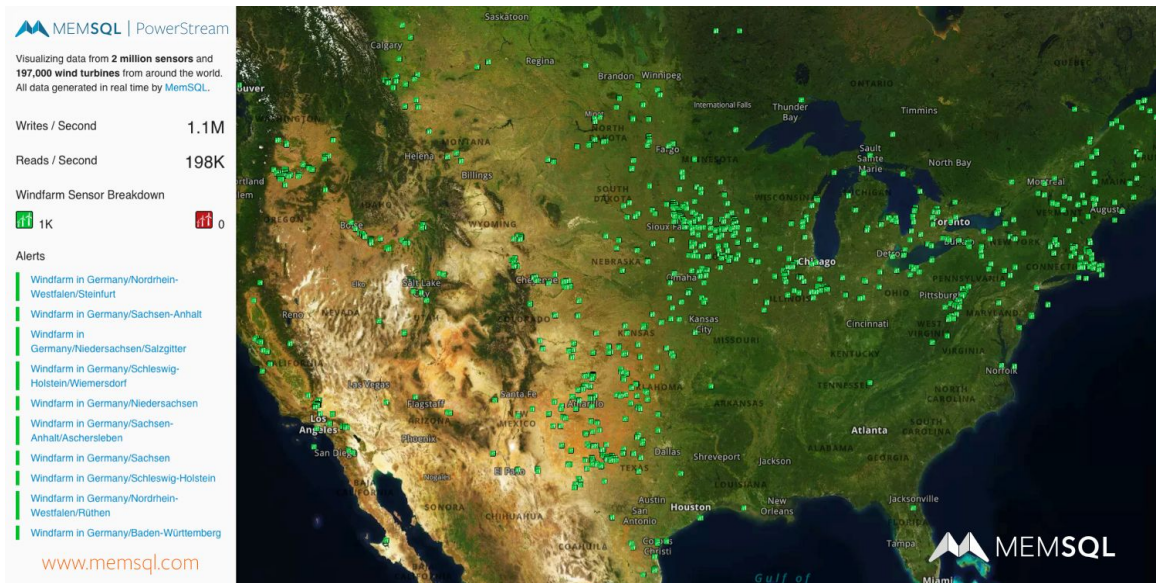
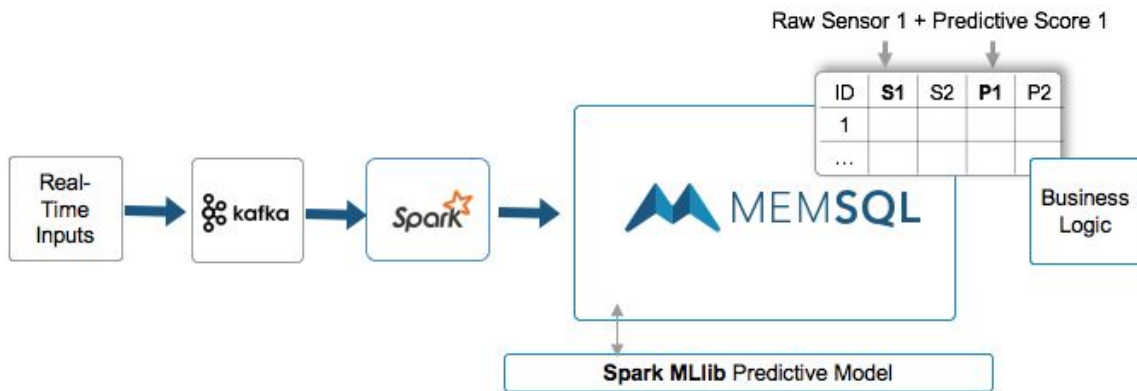
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MemSQL helps you maximize your data by combining real-time feeds with your historical data in a single scalable database system. The ANSI SQL interface lets you deploy machine learning and predictive queries including PMML without additional tooling.

Use Cases

- Predictive Maintenance
- Logistics Forecasting
- Quality Control



MEMSQL is a distributed SQL database that runs on top of Apache Hadoop and Apache Spark. It provides a single source of truth for your data, enabling you to run complex queries and analytics in real time. MEMSQL is designed for high performance and scalability, making it ideal for use in data-intensive environments.

