

MemSQL Helios

The World's Fastest Fully-Managed Cloud Database

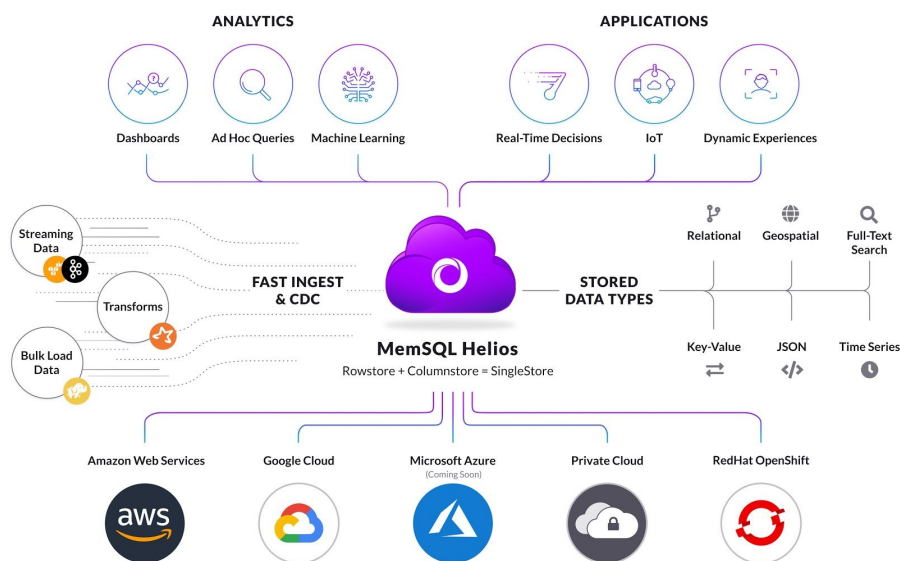
Overview

MemSQL Helios is a fully managed, cloud-native, distributed SQL database. With MemSQL Helios, deployment, management, upgrades, and troubleshooting are handled by MemSQL. This reduces operational expenses, and allows you to focus on generating insights rather than managing your data. MemSQL Helios can handle both OLTP and OLAP workloads in a single system, which fits with the direction of new applications to combine transactional and analytical requirements. MemSQL Helios can ingest millions of events per second with ACID transactions while simultaneously analyzing billions of rows of data with standard SQL.

MemSQL Helios is ideal for real-time applications that require fast data ingest, low-latency queries and elastic scaling with familiar relational SQL. MemSQL Helios can deliver 10x performance at one-third the cost of traditional databases. It can handle converged workloads executing over 10,000 complex queries per second or aggregating billions of rows per second.

Deploy in Public and Private Clouds

MemSQL Helios offers hybrid and multi-cloud deployment by supporting private cloud and public clouds (such as Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Azure). It also provides a resilient database with cloud-agnostic deployment support on Kubernetes enabled private clouds. You may also avoid cloud lock-in as MemSQL Helios is available across public cloud providers and private cloud environments.



Benefits

MemSQL Helios enables organizations to operationalize data to provide real-time insights and optimized customer experiences.



Effortless Deployment & Elastic Scale: Get the full capabilities of MemSQL with one-click deployment and easy cloud scalability



Superior TCO vs. Legacy & CSPs: Dramatically cheaper to buy & operate than either legacy data platforms or public cloud databases



Latency-Free Analytics: MemSQL lets you achieve ultra-fast query response with high concurrency across both live and historical data using familiar ANSI SQL



Ultra-Fast Event-to-Insight Performance: Deliver against the toughest service level agreements using parallel, distributed lock-free ingestion and real-time query processing



Scale Limitlessly: Elastic scale-out architecture with distributed, massively parallel data processing delivers consistent, predictable response under high ingest rates and user concurrency

Features

Fast Streaming Ingest: Native parallel data ingest from external sources such as Apache Kafka, Amazon S3, Azure Blob, filesystem, Google Cloud Storage, and HDFS using MemSQL pipelines.

MemSQL SingleStore: SingleStore architecture allows you to support large-scale Online Transaction Processing (OLTP) and Hybrid Transactional and Analytical Processing (HTAP) at a lower total cost of ownership (TCO).

Record-Breaking Query Response: Built-in distributed optimizer compiles, vectorizes, and caches queries to maximize CPU efficiency and deliver unmatched query performance.

MySQL-Compatible: Fully compatible with MySQL, advanced features such as Distributed SQL, Geospatial, JSON, Window Functions, and Time Series Functions.

Lock-Free Data: Modern data structures and MVCC mean data remains highly accessible, even amidst a high volume of concurrent reads and writes.

Enterprise Security: Best-in-class security using authentication, encryption, and role-based access control (RBAC) at every layer to protect your data.

Use Cases

Operational Analytics: MemSQL delivers the fastest and most scalable reporting and analytics across all of your operational data, including streaming, real-time, and historical data. Typical scenarios include real-time applications for retail inventory analytics, A/B testing, gameplay analysis, threat detection, and streaming media quality analytics.

Operationalizing ML and AI Apps: MemSQL can transform your business with scalable ML/AI applications with an ultra-fast ingest and query platform that enables real-time model scoring on both streaming and historical data, and vector similarity testing for image matching and other deep learning applications. Typical uses include real-time applications for fraud detection.

Monitor and Detect Anomalies in Real-Time: MemSQL gives organizations the ability to monitor and detect anomalies in rapidly changing data through its innovative real-time ingestion, database and analytics platform. Typical scenarios include real-time applications for predictive analytics for energy demand-response, and location analytics.

Accelerating Legacy Data Platforms: MemSQL can accelerate legacy systems with scalable rapid data ingestion and fast queries on large data sets, by leveraging the simplicity of SQL. Typical scenarios include modernizing data lakes and data warehouses built on Hadoop, object stores, and legacy analytic databases by bringing low-latency queries to the data layer.

Uber

COMCAST

Kellogg's

DELLEMC

Akamai

SAMSUNG

cisco

pandora

monday

Get Started with MemSQL Helios for Free Today at memsql.com/helios