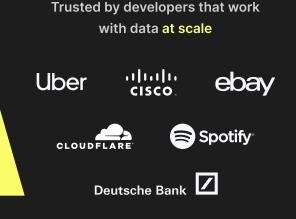# ClickHouse

It's time for the real-time data warehouse

Analytics push traditional data warehouses, lakes, and transactional databases to their limits – not just in terms of performance, but also with skyrocketing costs.

Use cases for the real-time data warehouse

A real-time data warehouse is optimized for fast, reliable, and cost-effective querying at any scale, and excels at powering workloads that operate on both real-time and historical data.

REST APIs	SQL	Integrations

🔒 Enterprise Grade Security

Compute

Shared Storage

Real-time Analytics	Business Intelligence	Logging & Metrics	Machine Learning & GenAI

Real-time Analytics

Power interactive applications and dashboards that analyze and aggregate large amounts of data on the fly. Run complex internal analytics in milliseconds, not minutes or hours.

Relied on by companies all over the world to process tens of billions of new events per day.

Business Intelligence

Interactively slice and dice your data for analysis, reporting, and building internal applications.

Leveraged to better understand business usage, user behaviors, ad and media performance, market dynamics, and more.

Logging & Metrics

Monitor with confidence your logs, events, and traces. Detect anomalies, fraud, network or infrastructure issues, and more.

Used at scale to ingest millions of records per second as the trusted SQL-based observability store.

Machine Learning & GenAI

Execute fast and efficient vector search. Plug-and-play Generative AI models from any provider. Use lightning-fast aggregations to power model training at petabyte scale.

A central data store for your machine learning workloads.