

quasarDB Community Edition

Unlimited market data capture, instant answers



Why quasarDB Community Edition?

- Focus on the alpha: instant vision on the order book and best execution without relying on custom development or third-party tools.
- Unlimited market data capture and storage.
- All data (historical and current) is stored in the same system, significantly reducing errors and increasing productivity, thus competitiveness.
- Compatibility with every standard analytical tool suites for maximum flexibility.
- Outstanding total cost of ownership (TCO) thanks to the combination of data compression and rapid order book rebuilding, saving disk and central processing usage (CPU) usage.

Product overview

QuasarDB is a high performance, distributed, transactional, time series database. It can ingest data at very high speed, while giving you immediate access through a powerful, Structured Query Language (SQL)-like, query language. QuasarDB was designed to withstand the most extreme use cases that can be found in financial markets, aeronautics, and heavy industry.

Product features

Instant data capture

Quasar has data importers that can decode and capture data quickly without intermediary conversion. This ensures data capture is as fast and efficient as possible.

Efficient storage

Data is compressed using the Quasar optimized compression algorithm, significantly reducing the disk footprint of the history. Quasar can store the data either in Amazon EBS volumes or Amazon S3.

Flexible data model

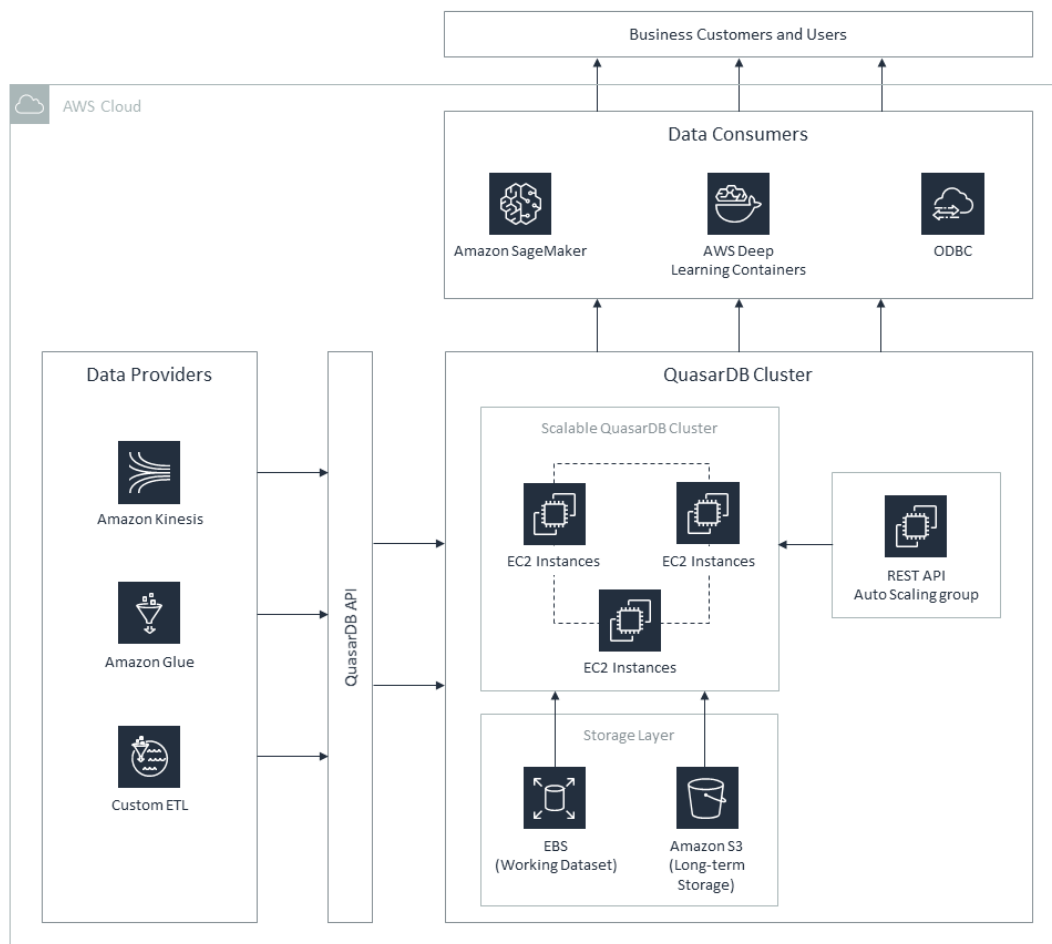
Each instrument can be stored in a separate table. Tables are tagged and queries will merge data in real-time, delivering faster queries and greater flexibility.

Powerful analytics

Quasar has a built-in order book computation module that enables sub-second order book rebuilding at any time of the day, even for deep order books. These order books are then accessible from a web browser using a dedicated dashboard built using the Quasar framework. Best execution can be done using advanced joins available in Quasar (ASOF JOINS) that instantly match a trade with an order at a given time.

How it works

Quasar comes with its own clustering capabilities and readily integrates within AWS. Data can be stored in Amazon Elastic Block Store (EBS) or Amazon Simple Storage Service (S3). Ingestion goes through the Quasar application programming interface (API). Connectors are available for streaming services such as AWS Kinesis. Business customers and users can consume data directly for further analysis and visualization. This can happen either with one of the official Quasar connectors through Open Database Connectivity (ODBC) or by using the representational state transfer (REST) server.



Differentiators

- Advanced analytical tools to help with order book rebuilding and best execution.
- Outstanding, high-performance compression and indexing technology.
- A single system for historical and operational data.
- Unlimited capabilities thanks to its built-in scale-out architecture.

What our customers are saying



Quasar greatly simplified our software stack and enabled us to rebuild the order book instantly at any time of the day, which made us much more efficient.

-Adam K., Hedge Fund, USA



Quasar made it possible to incorporate weather data in our stack while delivering much better performance than our previous system.

-Hans F., Energy Trading, Germany

Data Points

10X

Storage efficiency

1,000X

Faster book building

10 PB+

Capability

Instant

Data visibility

Additional Resources

- [Official website](#)
- [Online documentation](#)
- [Support](#)
- [Gartner Cool Vendor](#)

Solution available in [AWS Marketplace](#)