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[FAQs](#)

Category:

Databases



Amazon Quantum Ledger Database

What?

- Amazon Quantum Ledger Database (Amazon QLDB) is a fully managed, purpose-built ledger database that provides a transparent, immutable, and cryptographically verifiable transaction log owned by a central authority. Ledgers are typically used to record a history of economic and financial activity. Amazon QLDB is not a blockchain or distributed ledger technology.

Why?

- Ledger applications are often implemented using custom audit tables or audit trails created in relational databases. Amazon QLDB helps eliminate the need to engage in the complex development effort of building your own ledger-like applications. With QLDB, the history of changes to your data is immutable—it can't be altered, updated, or deleted.

When?

- Amazon QLDB's features make it a natural fit for system-of-record applications – those for which data integrity, completeness, and verifiability are critical.
- You want to track all application data changes, and maintain a complete and verifiable history of changes over time.

Where?

- Amazon QLDB is a regional service.
- Multiple copies of your data are replicated within an Availability Zone and across Availability Zones in an AWS Region.

Who?

- QLDB is fully managed, serverless, and highly available. The service automatically scales to support the demands of your application. You can access the contents of the journal in your ledger for various purposes including analytics, auditing, data retention, verification, and exporting to other systems.

How?

- QLDB uses an immutable transactional log, known as a journal. QLDB uses the journal to determine the current state of your ledger data by materializing it into queryable, user-defined tables.
- QLDB uses PartiQL as its query language and Amazon Ion as its document-oriented data model.

How much?

- You pay only for the storage and IOs your Amazon QLDB ledger consumes.
- Storage consumed by your Amazon QLDB ledger is billed per GB-month, and IOs consumed are billed per million requests.
- There is separate charge for Data Transfer.

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