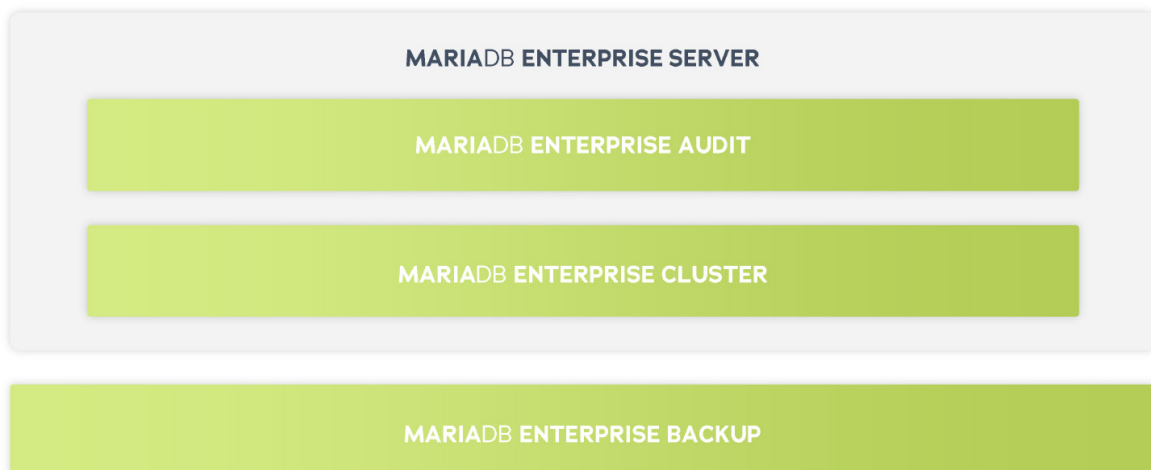




# MARIADB ENTERPRISE SERVER

Enhanced. Hardened. Secured.

MariaDB Enterprise Server is an enhanced, hardened and secured version of MariaDB Community Server created to provide customers with the reliability, stability and long-term support needed to successfully replace proprietary databases and adopt open source in the enterprise. In addition, it provides customers with greater operational efficiency when it comes to supporting business- and mission-critical applications on large databases.



## ENHANCED

MariaDB Enterprise Server includes features engineered for customers deploying and maintaining large databases with strict high availability, disaster recovery and security requirements. For example, to perform frequent backups without impacting applications, and enforcing full end-to-end encryption.

## HARDENED

MariaDB Enterprise Server undergoes an extensive, thorough and comprehensive QA process to ensure reliability for production deployments. In addition, critical features and bug fixes in future releases will be backported to ensure long-term stability and support.

## SECURED

MariaDB Enterprise Server is preconfigured for production environments, including default security parameters to remove remote root access and all anonymous access as well as replication parameters changed to enforce durability. In addition, all non-GA plugins are disabled.



## WHAT'S NEW

### ENTERPRISE FEATURES

#### MariaDB Enterprise Backup

An enhanced version of MariaDB Backup to allow writes and schema changes while backups are being performed. By using backup stages and DDL logging, DDL blocking is reduced to a small window. Further, writes to transactional tables are no longer blocked.

#### MariaDB Enterprise Audit

A more comprehensive audit plugin to provide detailed connection information as well as log all changes to audit plugin configuration. In addition, filtering is now based on user@host to support connection-based auditing, and is configured via SQL with the rules stored in system tables.

#### MariaDB Enterprise Cluster

A secure version of MariaDB Cluster encrypts the transaction buffer used to replicate transactions within a cluster and to help nodes (re)join a cluster faster, ensuring all on-disk data is encrypted when running multi-master clusters in secure environments.

### STANDARD FEATURES

#### Expanded set of instant schema changes

The set of instant schema changes supported has been expanded to include adding a column in any position, reordering columns, dropping a column, increasing the size of VARCHAR column and changing the character set and collation.

#### Bitemporal tables

The addition of application-period time tables introduces support for bitemporal tables, combining transaction time based on system versioning with valid time so data can be versioned and queried as it changes over time – both in the database and in the real world.

#### Enhanced authentication and authorization

MariaDB Community and Enterprise Server include a number of enhancements to authentication and authorization, including:

- Password expiration
- Automatic account lock after failed login attempts
- Dynamic loading of SSL certificates
- SQL-based account locking
- Key rotation for encrypted redo logs
- Encrypted spatial indexes

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