

# TRAINING COURSE: MARIADB MAXSCALE

This course gives skilled database administrators hands-on experience with using the MariaDB MaxScale database proxy to manage a cluster of database servers, provide automatic query routing, perform read-write splitting, protect sensitive data, improve database efficiency and availability, and more.

## COURSE HIGHLIGHTS

Students will learn a wide range of skills related to MariaDB MaxScale and how it works with database clusters, including the following:

- Understand the features of MariaDB MaxScale, including automatic database failover, cooperative locking, transaction replay and causal reads
- Describe the MaxScale internals
- Install and configure MaxScale to work in conjunction with MariaDB Replication and other database clusters (e.g., MariaDB Cluster)
- Perform common administrative tasks such as user management and managing the state of backend database servers with MaxGUI, MaxCtrl or the MaxScale REST API
- Configure popular filters, routers and monitors in MariaDB MaxScale
- Protect the backend database topology from SQL injections and DoS attacks
- Secure MariaDB MaxScale and know how to resolve problems using MaxScale's logs and monitoring features
- Understand traditional load balancing, statement-based load balancing, load segregation, single point of entry and binlog replication
- Configure data streaming using the Binlog Avro Translator plug-in
- Configure MaxScale to manage database failover automatically or manually
- Describe advanced MaxScale features such as dynamic configuration, query duplication and translation, launchable scripts and query logging

**Formats:** In person, live virtual, or on-demand course

**Length:** 2 days (6.5-hour sessions); self-paced for on-demand course

### Prerequisites:

- Advanced MariaDB skills
- Basic MariaDB replication skills
- Working knowledge of Linux command-prompt usage
- Basic knowledge of computer networking

### Recommendations:

- Linux administration skills
- Familiarity with AWS VMs
- Familiarity with VirtualBox

## LIVE LEARNING: ONLINE AND ON-SITE

MariaDB offers flexible training options so your team can learn the way that works best for them: online or on-site. The most popular option is the virtual classroom, which uses technology such as Zoom. An instructor will speak through an audio feed and will share screens on their computer, including a slide presentation and a terminal window. Students can interact with the instructor and other students via a text-chat interface and through their audio feeds. A copy of the slide presentation and lab exercises workbook will be provided so students may annotate them during class.

## READY TO START LEARNING?

[Register now](#) or [contact us to schedule an in-person class](#).

## [mariadb.com](https://mariadb.com)

Americas: [sales-AMER@mariadb.com](mailto:sales-AMER@mariadb.com)  
Europe, Middle East, Africa: [sales-EMEA@mariadb.com](mailto:sales-EMEA@mariadb.com)  
Asia Pacific: [sales-APAC@mariadb.com](mailto:sales-APAC@mariadb.com)

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