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 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

**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.

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