

# TRAINING COURSE: MARIADB STANDARD DBA

This course teaches the essentials of the DBA trade and extends current DBAs' skill sets to all aspects of MariaDB administration. We'll thoroughly review fundamental administrative tasks such as backing up and restoring, monitoring and maintaining databases, and ensuring user security. Plus we'll cover core MariaDB concepts and essential tools, in addition to optimal use of resources for your databases.

## COURSE HIGHLIGHTS

Students will learn a wide range of skills for administering a MariaDB database, including the following:

- Install, configure and upgrade MariaDB Server
- Perform the MariaDB start and shutdown operations
- Activate and manage MariaDB server logs
- Describe MariaDB server internals
- Evaluate data types and character sets
- Understand MariaDB schema objects, including views, triggers and table partitioning
- Compare and gain an understanding of the various storage engines in MariaDB
- Understand transactions and data locking in MariaDB
- Manage users, roles and security, including data-at-rest encryption and password strength checking
- Perform backup and restore operations using a variety of backup methods, such as MariaDB Backup
- Understand how MariaDB uses resources such as disk and memory
- Understand performance tuning techniques
- Describe the fundamentals of high availability
- Configure and monitor MariaDB replication
- Understand the MariaDB MaxScale database proxy
- Describe advanced features in MariaDB, such as PL/SQL support, window functions, common table expressions (CTEs) and temporal tables

## NOTE

This course will also prepare students for the [MariaDB Certified Database Administrator Associate exam](#).

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

**Length:** 3 days (6.5-hour sessions); self-paced for on-demand course

### Prerequisites:

- Basic SQL skills
- Familiarity with database fundamentals

### Recommendation:

- Prior experience with MariaDB

## 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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