

training code: MySQL-ADM / ENG AA 3d / EN

# Administering MySQL/MariaDB database server





### Purpose of the training

The training is addressed both to administrators who have just begun working with MySQL/MariaDB databases, and to administrators who would like to consolidate their knowledge.



### Benefits of completing the training

The training provides you with a firm foundation in MySQL/MariaDB database server architecture, configuration and administration, including but not limited to:

- software deployment,
- · security configuration,
- database backup and recovery,
- master-slave replication,
- basic query performance management techniques,
- server monitoring and troubleshooting.



## **Expected Listener Preparation**

General knowledge of computer science topics and terms related to relational databases (including SQL), as well as good computer skills.



# Training Language



**ENG** 



### Duration

3 days / 21 hours

### Training agenda

- MySQL/MariaDB database server architecture and configuration (Pluggable Storage Engines, configuration files, configuration parameters, administrative tools, Data Dictionary, Performance Schema)
- 2. Specific SQL language solutions in MySQL/MariaDB (data types, indexes, transactions, partitioned tables, stored procedures and functions, triggers, batch jobs)
- 3. Database server management (installation, upgrade, initialisation, starting, stopping)
- 4. Security management (privileges, roles, resource limits, user accounts)
- 5. InnoDB storage engine (architecture, tablespaces)
- 6. Preventing data loss due to failures (logical and physical backups, binlog, Disaster Recovery)
- 7. Master-Slave replication
- 8. Database server monitoring (logs, diagnostic commands)
- 9. Overview of query optimisation topics (query optimiser, statistics, execution plans, guidelines)