

# Course Outline

## MySQL Database Administration

### Profile

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#### Delegates:

Anyone who needs to administer, monitor and support MySQL databases and services. This course is suitable for delegates intending to sit the Certified MySQL DBA I and Certified MySQL DBA 2 examinations.

#### Objectives:

This course is designed to give administrators the knowledge and skills needed to maintain successful and efficient day-to-day operations of MySQL databases and services. Administrators will gain practical experience in setting up, administering and troubleshooting MySQL databases. They will gain an understanding of the architecture of a MySQL database. They will be able to ensure the integrity and availability of a company's data within the MySQL environment.

#### Topics Covered:

- MySQL Architecture
- Starting, Stopping and Configuring MySQL
- Security-Related Configuration
- Database Creation
- Client Programs for DBA Work
- Character Set Support
- Locking
- Storage Engines
- Table Maintenance
- The Information\_Schema Database
- Backup and Recovery
- Stored Procedures
- User Management
- Securing the Server
- Upgrade-Related Security Issues
- Optimizing Queries
- Optimizing Schemas
- Optimizing the Server
- Interpreting Error Messages
- Optimizing the Environment
- Scaling MySQL



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## **Requirements:**

A working knowledge of MySQL is required. This can be gained by attendance on the Introduction to MySQL course.

## **Note:**

Before taking any exam, ensure you have the recommended experience.

## **Pre-Requisite Courses:**

Introduction to MySQL

## **Follow-On Courses:**

Perl Programming  
Apache Web Server