

Course Outline

MySQL For Developers II

Profile

Delegates:

MySQL Developers who have a basic understanding of a MySQL database and SQL commands as covered on the Introduction to MySQL course. The content of the course covers the topics required for the Certified MySQL Developer I and MySQL Developer II examinations.

Objectives:

By the end of the course, delegates will be able to:

- Understand MySQL Client/Server concepts
- Use advanced features of the MySQL Client
- Understand various types of Connector
- Use advanced data types
- Manage databases, tables, indexes, views
- Write complex SQL query statements
- Use advanced SQL expressions and functions
- Modify, Import and export data
- Perform complex joins and subqueries
- Use variables and prepared statements
- Create and use stored routines
- Create and use triggers
- Obtain database metadata
- Debug MySQL applications
- Understand Basic Optimisations

Topics Covered:

- Client/Server Concepts and Architecture
- The MySQL Client Program and Connectors
- Data Types including Bit and Binary
- Managing Databases, Tables, Indexes and Views
- Retrieving and Aggregating Data
- Advanced SQL Expressions and Functions
- Modifying, Importing and Exporting Data
- Complex Joins and Subqueries
- User Variable Syntax and Properties
- Prepared Statements
- Stored Routine Definition
- Procedures and Functions
- Creating, Dropping and Altering Stored Routines
- Invoking Stored Routines
- Trigger Concepts, Creation and Use



Course Outline

Privileges for Stored Routines and Triggers
Obtaining Database Metadata
Debugging MySQL Applications
Optimization Principles
Storage Engines

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:

MySQL Database Administration
Perl Programming