SETC Training Corporate Logo

Oracle Training: MySQL Core Administration (MYSQLC, 4 jours)

Description

The course MySQL Core Administration (Oracle Training) :: database course introduces the MySQL Relational Database Management System. Every aspect of MySQL database administration is covered from the creation of relational databases and their tables to the development of powerful SQL scripts to automate primary administrative tasks. This complete course discusses the various security mechanisms that are provided by the MySQL database engine. This course also includes coverage of performance optimization, backup and recovery and indexing amongst others. If you want to implement a MySQL database in your organization, this is the course for you.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

RDBMS Essentials

- MySQL Relational Database Management System
- MySQL Terminology
- MySQL Database Terminology
- Application Development and MySQL
- MySQL OLAP and OLTP
- MySQL Tools
- The Role of MySQL in the Enterprise
- Other MySQL Services

Installing MySQL

- MySQL 5.0 Installation Overview
- The Server Hardware
- Installing MySQL
- Configuring MySQL Server

Creating the Database

- Data Storage Architecture
- Creating/Deleting Database Files
- Optimizing Data Storage
- Importing Data

SQL Programming for MySQL Administrators

- MySQL Data Types
- Creating Tables
- Retrieving Data: The Basic SELECT Statement
- Executing SQL Scripts
- Using Built-In Database Functions
- System Databases/Tables

MySQL Security/User Account Administration

- MySQL Security Overview
- Planning Security
- Configuring MySQL Server Accounts
- Securing the Server

Optimizing Database Integrity

Implementing Database Integrity

Domain Integrity

Entity Integrity: Primary Keys

Referential Integrity: Foreign Keys

Retrieving Table and Database Information

Optimizing Database Maintenance and Performance

Combining/Retrieving Top N Table Data

Table Maintenance

Retrieving Aggregate Data Values

Modifying Data: Inserting/Updating/Deleting

Join Strategies: Selecting From Multiple Tables

Sub-Queries

Creating and Using Functions

User Variables

Stored Procedures

Transactions and Performance

Using Transactions

Transactional Locks and Deadlocks

Indexes

Index Architecture

Planning Indexes

Logging, Backup and Recovery

MySQL Server Logging

Fault Tolerance and MySQL Database Backups

Topic 3: Database Recovery