Optimizing SQL queries in MySQL

Course code: GOC664

The course Optimizing SQL queries in MySQL contains all important information and techniques to ensure optimal performance of your queries or used MySQL database system functionality.

Who is the course for

- The course is designed for database professionals who have experience with the development of database system and want to know how to write optimized SQL queries

After completing this course, students will be able to use new features in these areas:

- Use advanced techniques for optimizing SQL
- Design and use indexes
- Optimization procedure
- Other optimization methods

Required skills

- Basic knowledge of IT and PC
- Knowledge of SQL in MySQL
- Knowledge of database development

Course Outline

Recap advanced queries to optimize performance

- Integrity Constraints
- Join techniques
- Subqueries and Operators

Indexes

- Structure and types of indexes
- Design and development indexes
- Index usage with SELECT statement
- Explain
- FullText search

Performance optimization

- Restructuring query
- Practical approach to optimizing

Other types of optimization

- Partitioning
- Optimization tables
- Cache
- Configure MySQL
- Important configuration parameters to optimize