

Szkolenie: Oracle  
MySQL Performance Tuning


FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	5960 PLN NETTO*	4 dni
Stacjonarne	Tablet CTAB	6560 PLN NETTO*	4 dni
Metoda dlearning	Cyfrowe	5960 PLN NETTO*	4 dni
Metoda dlearning	Tablet CTAB	5960 PLN NETTO*	4 dni

\* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

### LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

### DOSTĘPNE TERMINY

2019-06-24 | 4 dni | Kraków

### Cel szkolenia:

The **MySQL Performance Tuning** course teaches you how to tune MySQL for optimal performance. You will learn best practices for configuring, monitoring, and troubleshooting your server, databases and queries using a range of tools.

### Plan szkolenia:

- Introduction
  - Course Introduction
  - MySQL Overview
  - MySQL Products and Tools
  - MySQL Web Resources
  - MySQL Courses and Certification
  - MySQL Services and Support
- Performance Tuning Concepts
  - Introduction to Performance Tuning
  - Performance Tuning Terminology
  - Benchmarking

- Tuning
- Deploying and Maintaining MySQL
- Performance Tuning Tools
  - MySQL Monitoring Tools
  - MySQL Enterprise Monitor
  - MySQL Utilities
  - Community Monitoring Tools
  - Linux Tools
  - Benchmarking Tools
- Performance Schema
  - Performance Schema
  - Configuring Performance Schema
  - Using MySQL Workbench for Performance Monitoring
  - The MySQL sys Schema
- Memory, Connections, and Threads
  - Major Components of the MySQL Server
  - Tuning the MySQL server
  - Connections
  - Thread Reuse
- Tables, Files, and Logs
  - Table Caching
  - Files and File Descriptors
  - Binary Logs
- Statement Monitoring, Sort Buffer and Query Cache
  - SQL Statement Monitoring
  - Sizing the Sort Buffer
  - The MySQL Query Cache
- InnoDB Storage Engine
  - List the key benefits of the InnoDB storage engine
  - Describe how InnoDB uses log files and buffers
  - Explain the SHOW ENGINE INNODB STATUS output
  - Use InnoDB monitors
  - Access key InnoDB metrics in Information Schema
  - Tune InnoDB settings for best performance
- Schema Design and Performance
  - Schema Design Considerations

- Normalization and Performance
- Data Types
- Indexes
- InnoDB Table Compression
- Partitioning
- Query Optimization
  - MySQL Query Processing
  - Understanding the Query Plan
  - Using EXPLAIN
  - Improving Query Performance
  - Indexing
  - MySQL Enterprise Monitor Query Analyzer
- Troubleshooting Performance Issues
  - Key Steps in Troubleshooting
  - Establishing the Nature of the Problem
  - Troubleshooting Locks
  - Troubleshooting Locks with Information Schema
  - Identifying Slow Queries
  - Troubleshooting Specific Queries
- Optimizing MySQL for Your Application Environment
  - Improving Connector Performance
  - Improving InnoDB Performance with the Memcached NoSQL API
  - Backup Performance
  - Improving Database Performance with Replication
  - Improving Application Performance with MySQL Cluster
- Hardware Optimization
  - Hardware Limitations in MySQL
  - Storage Devices
  - MySQL and Virtualization
  - Database-Driven Website Reference Architectures
- Conclusion
  - Course Overview
  - Training and Certification Website
  - Course Evaluation
  - Thank You!
  - Q&A Session

## Wymagania:

- Experience of maintaining a database server (preferably a MySQL server)
- Ability to use MySQL tools to connect to a MySQL server
- Knowledge of general SQL statement structure and query writing principles
- Working knowledge of Linux operating systems
- Experience of maintaining a MySQL server instance and using
- Knowledge of a programming language, such as Java or PHP
- Familiarity with Linux command line tools and scripting

## Poziom trudności



## Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

## Prowadzący:

Autoryzowany wykładowca Oracle.