

Microsoft SQL Server Monitoring and Performance Tuning

Course code: GOC630

The course is designed for database professionals who have experience with the management or development of a database system and want to be able to effectively monitor and tune the performance of the database system.

| Affiliate | Duration | Course price | ITB |
|------------|----------|--------------|-----|
| Praha | 4 | 20 800 Kč | 40 |
| Brno | 4 | 20 800 Kč | 40 |
| Bratislava | 4 | 900 € | 40 |

The prices are without VAT.

Course terms

| Date | Duration | Course price | Type | Course language | Location |
|--------------|----------|--------------|----------|-----------------|----------------------------|
| G 11.03.2025 | 4 | 20 800 Kč | Presence | CZ/SK | Gopas Brno Prezenční |
| 31.03.2025 | 4 | 900 € | Presence | CZ/SK | Gopas Bratislava Prezenční |
| 22.04.2025 | 4 | 20 800 Kč | Presence | CZ/SK | Gopas Praha Prezenční |
| 02.06.2025 | 4 | 900 € | Online | CZ/SK | Gopas Bratislava Online |
| 02.06.2025 | 4 | 20 800 Kč | Online | CZ/SK | Gopas Praha Online |

The prices are without VAT.

Who is the course for

The course is designed for database professionals who have experience with the management or development of a database system and want to be able to effectively monitor and tune the performance of the database system.

What we teach you

- We will introduce you into the SQL Server sources and how they are used
- Methods for SQL Server monitoring
- Evaluation of measured values and identification of the problem
- Recommended configurations and solving methods

Required skills

- Basic knowledge of Microsoft Windows operating systems
- The ability to understand and work with T-SQL at the level of the MOC 2778 or GOC277 course
- Knowledge in the field of database administration at the level of the course MOC 6231

Course outline

Basic SQL Server sources and the work with them

- SQL Server Architecture
- Memory Usage
- Working with the repository
- CPU and queries execution
- Object Lock and Latches
- Tempdb System Database

Methods for Monitoring SQL Server

- Performance Monitoring
- SQL Profiler

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Microsoft SQL Server Monitoring and Performance Tuning

- Dynamic Management Views
- Evaluation of measured values and identification of the problem
- Activity monitoring
- Data Collector
- SQLDiag
- Extended Events
- SQLIO

Evaluation of measured values and identification of the problem

- Information about performance counters and their characteristics
- Recommended counters ' values
- Identifying of possible bottlenecks and problems

Recommended configurations and methods of solution

- SQL Server configuration and recommended procedures
- Database configuration and recommended procedures
- Identification of possible bottlenecks and problems

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