

# 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	24 000 Kč	40
Brno	4	24 000 Kč	40
Bratislava	4	960 €	40

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
13.04.2026	4	960 €	Presence	CZ/SK	GOPAS Bratislava
 12.05.2026	4	24 000 Kč	Presence	CZ/SK	GOPAS Praha
 15.06.2026	4	24 000 Kč	Presence	CZ/SK	GOPAS Brno

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
- Dynamic Management Views
- Evaluation of measured values and identification of the problem
- Activity monitoring

#### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

#### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved

# Microsoft SQL Server Monitoring and Performance Tuning

- 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

**GOPAS Praha**  
Kodařská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Brno**  
Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Bratislava**  
Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved