

Windows Internals

Course code: GOC781

Newly updated course will help attendees understand how the Windows operating system works. Windows Server administrators and desktop support technicians alike can learn about the architecture of the operating system, how services work, what the registry is for, and how to work with it. We will explain processes and the various mechanisms around them, such as thread scheduling, handles, access tokens, and others. Understanding the way Windows OS accesses memory can help not only optimize memory configuration for virtual machines, but also identify leaking applications or even drivers. In addition to drivers, we will also touch on other interesting topics such as WMI, access control in and out of the domain, the operation of the disk subsystem, or file systems.

Affiliate	Duration	Course price	ITB
Praha	5	33 000 Kč	50
Brno	5	33 000 Kč	50
Bratislava	5	1 320 €	50

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
 09.03.2026	5	33 000 Kč	Telepresence	CZ/SK	GOPAS Praha
 09.03.2026	5	33 000 Kč	Telepresence	CZ/SK	GOPAS Brno
 09.03.2026	5	1 320 €	Telepresence	CZ/SK	GOPAS Bratislava
08.06.2026	5	33 000 Kč	Presence	CZ/SK	GOPAS Praha
08.06.2026	5	1 320 €	Presence	CZ/SK	GOPAS Bratislava
08.06.2026	5	33 000 Kč	Presence	CZ/SK	GOPAS Brno

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Prerequisites

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

Course outline

Windows Concepts

Processes

System Architecture

System services

Registry

Memory Management

Drivers

IO subsystem, File System

WMI

Authentication, Authorization, Access Control

GOPAS Praha
Kodařská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk

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