

# Microsoft 365 - managing Windows computers with Intune deep-dive

Course code: GOC243

Four-days instructor-led training teaches students in detail how to manage Windows based desktop computers as well as Windows based mobile computers with the cloud based technology Intune including troubleshooting of computer joining issues with Azure AD (AAD) aka Entra ID, skript deployment, application installations as well as management of local Administrator accounts through LAPS (Local Admin Password Solution) and also monitoring computer compliance and deploying remediations

## For whom the course is intended

The course is intended for administrators and architects of security and IT infrastructure primarily built on Active Directory (AD DS) and Azure Active Directory (AAD) or Entra ID (EntraID)

## Assumed entry knowledge

Knowledge in the range of courses listed in the sections **Previous courses** and **Related courses**

Good knowledge of TCP/IP and DNS technologies

## Course outline

Introduction to the technologies of central management of clients and servers

Overview of Intune, Azure, Azure Active Directory (AAD) or Entra ID (EntraID)

Connecting clients to Azure AD (Entra ID) and hybrid scenarios with on-prem Active Directory Domain Services (ADDS)

Entra ID registration (WPJ), Entra ID join (AADJ), hybrid Entra ID join (DJ++)

Synchronization of user accounts and computers (devices) from on-prem ADDS to Entra ID (AAD, EntraID) using Azure AD Connect (AAD Connect, Entra ID Connect)

Controlling who can connect computers to AAD/EntraID

Windows Autopilot and hardware hash collection from the device

Management of options for connecting computers to Intune/MDM

Connecting Windows computers to Intune (MDM enrollment)

Use of Windows Autopilot, autoenrollment and provisioning packages technology

Management of Windows computers using Intune - configuration profiles

Management of Windows computers using Intune - scripts and PowerShell

Management of Windows computers using Intune - Windows Defender

Management of Windows computers using Intune - BitLocker

Management of Windows computers using Intune - Windows Firewall

Management of Windows computers using Intune - LAPS (Local Admin Password Solution)

Issuing certificates for Windows devices (AD CS, SCEP/NDES, CEP/CES)

Scripting and automation in Intune and Intune itself

Monitoring and troubleshooting Intune reports, diagnostic logs and CSP (Configuration Settings Provider)

Device compliance (compliance)

Scripts for compliance and PowerShell

Installing applications from the Microsoft Store

### 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)



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Installing applications from MSI

Installation of applications from EXE and BAT and PowerShell

Application management using Intune

Hybrid management using Group Policy and Intune

Windows Hello for Business and Kerberos authentication for on-prem ADDS services

Group Policy Analytics tool

Device disposal - remote wipe, retire, clean start, sysprep

## Preparation for certification exams

For Microsoft certification exams, apart from MCM certifications, participation in the official MOC course is not a necessary condition for passing the exam

Microsoft's official MOC courses as well as our own GOC courses are a suitable part of the preparation for Microsoft certification exams such as MTA, MCP, MCSA, MCSE, or MCM

However, the primary goal of the course is not directly preparation for certification exams, but the mastery of theoretical principles and the acquisition of practical skills necessary to work effectively with the given product

MOC courses usually cover almost all areas required for the corresponding certification exams. However, their discussion in the course is not always given exactly the same time and emphasis as required by the certification exam

For example, books from MS Press (so-called Self-paced Training Kit) and electronic self-test software can be used as additional preparation for certification exams.

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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)



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