Microsoft 365 - computer management with Group Policy and Intune

Course code: GOC228

Pětidenní kurz seznamuje účastníky detailně s možnostmi správy Windows stanic, mobilních zařízení a serverů jak pomocí on-prem Active Directory Group Policy (GPO), pomocí cloudového Intune i pomocí PowerShell.

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 cloud and on-prem clients and servers Intune, Azure, Entra

ID and Active Directory

Connecting clients to Active Directory (domain join)

Management of computers using Group Policy (GPO)

Basics and principles of functioning of GPO

GPUPDATE and GPUPDATE /force

Administrative templates (administrative templates, ADMX)

Security policy and Windows Firewall

Filtering and applying GPOs above the OU hierarchy

Security filters and groups (security filtering)

User policies and settings

Group Policy Preferences and their options and item filtering

Loopback processing

WMI filtering

Scripting and automation for Group Policy

Monitoring and troubleshooting Group Policy

Backup, restore and GPO transfers and migrations

BitLocker and its management

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

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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 - BitLocker

Management of Windows computers using Intune - Windows Firewall

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

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

Installing applications from MSI

Installation of applications from EXE and BAT and PowerShell

Hybrid management using Group Policy and Intune

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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