Windows Server - managing computers with Group Policy and LAPS

Course code: GOC242

Three-days instructor-led training provides students with detailed knowledge on how to manage Windows 10/11 client computers as well as Windows servers with Group Policy (GPO) based on onprem Active Directory (AD DS) including deployment of scripts and also managing local Administrator accounts with LAPS (Local Admin Password Solution)

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 over on-prem 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

Creating an inventory of computers and their hardware

LAPS (Local Admin Password Solution)

Deployment and administration of LAPS over on-prem Active Directory

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

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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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