

Configuring Windows Server Hybrid Advanced Services

Course code: MOC AZ-801

This course teaches IT Professionals to configure advanced Windows Server services using on-premises, hybrid, and cloud technologies. The course teaches IT Professionals how to leverage the hybrid capabilities of Azure, how to migrate virtual and physical server workloads to Azure IaaS, and how to secure Azure VMs running Windows Server. The course also teaches IT Professionals how to perform tasks related to high availability, troubleshooting, and disaster recovery. The course highlights administrative tools and technologies including Windows Admin Center, PowerShell, Azure Arc, Azure Automation Update Management, Microsoft Defender for Identity, Azure Security Center, Azure Migrate, and Azure Monitor.

Affiliate	Duration	Course price	ITB
Praha	4	29 600 Kč	40
Brno	4	29 600 Kč	40
Bratislava	4	1 320 €	40

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
 28.07.2026	4	29 600 Kč	Presence	CZ/SK	GOPAS Praha
26.10.2026	4	1 320 €	Online	CZ/SK	Online
26.10.2026	4	29 600 Kč	Online	CZ/SK	Online
02.11.2026	4	29 600 Kč	Presence	CZ/SK	GOPAS Praha

The prices are without VAT.

At course completion students will be able

Harden the security configuration of the Windows Server operating system environment

Enhance hybrid security using Azure Security Center, Azure Sentinel, and Windows Update Management

Apply security features to protect critical resources

Implement high availability and disaster recovery solutions

Implement recovery services in hybrid scenarios

Plan and implement hybrid and cloud-only migration, backup, and recovery scenarios

Perform upgrades and migration related to AD DS, and storage

Manage and monitor hybrid scenarios using WAC, Azure Arc, Azure Automation and Azure Monitor

Implement service monitoring and performance monitoring, and apply troubleshooting

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

Secure Windows Server user accounts

Hardening Windows Server

Windows Server Update Management

Secure Windows Server DNS

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Implement Windows Server IaaS VM network security
Audit the security of Windows Server IaaS Virtual Machines
Manage Azure updates
Create and implement application allowlists with adaptive application control
Configure BitLocker disk encryption for Windows IaaS Virtual Machines
Implement change tracking and file integrity monitoring for Windows Server IaaS VMs
Introduction to Cluster Shared Volumes
Implement Windows Server failover clustering
Implement high availability of Windows Server VMs
Implement Windows Server File Server high availability
Implement scale and high availability with Windows Server VMs
Implement Hyper-V Replica
Protect your on-premises infrastructure from disasters with Azure Site Recovery
Implement hybrid backup and recovery with Windows Server IaaS
Protect your Azure infrastructure with Azure Site Recovery
Protect your virtual machines by using Azure Backup
Active Directory Domain Services migration
Migrate file server workloads using Storage Migration Service
Migrate Windows Server roles
Migrate on-premises Windows Server instances to Azure IaaS virtual machines
Upgrade and migrate Windows Server IaaS virtual machines
Containerize and migrate ASP.NET applications to Azure App Service
Monitor Windows Server performance
Manage and monitor Windows Server event logs
Implement Windows Server auditing and diagnostics
Troubleshoot Active Directory
Monitor Windows Server IaaS Virtual Machines and hybrid instances
Monitor the health of your Azure virtual machines by using Azure Metrics Explorer and metric alerts
Monitor performance of virtual machines by using Azure Monitor VM Insights
Troubleshoot on-premises and hybrid networking
Troubleshoot Windows Server Virtual Machines in Azure

Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

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This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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