

# Planning and Administering Microsoft Azure for SAP Workloads

Course code: MOC AZ-120

This course teaches IT Professionals experienced in SAP solutions how to leverage Azure resources that include deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure AD that includes implementing and managing hybrid identities. Students of this course will learn through concepts, scenarios, procedures, and hands-on labs how to best plan and implement migration and operation of an SAP solution on Azure. You will receive guidance on subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution.

## At course completion students will be able

Migrate and SAP HANA, S/4HANA, SAP NetWeaver to Azure

Leverage Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager

Use intersite connectivity features including VNet Peering and VNet-to-VNet connections

Work with Azure Active Directory (AAD) and Azure AD Connect

## 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

Introduction

Foundations of SAP on Azure

Azure compute

Azure storage

Azure networking

SAP HANA for Azure

SAP Certified Offerings on Azure

SAP support in public cloud environments

Deployment options of Azure for SAP workloads

SAP product-specific support for Azure

Operating System support of Azure for SAP workloads

Storage support of Azure for SAP workloads

Networking support for SAP

Database support for SAP

High availability and disaster recovery support for SAP

Monitoring requirements for SAP

Implementing Linux clustering on Azure VMs

Implementing Windows clustering on Azure VMs

SAP on Azure Reference Architecture

SAP NetWeaver with AnyDB

SAP S4 HANA

### 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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SAP HANA on Azure on Azure VMs  
Planning for Migrating SAP Workloads to Azure  
HA SAP NetWeaver with AnyDB on Azure VMs  
Implementing HA SAP HANA on Azure VMs  
Configure the Azure Enhanced Monitoring Extension for SAP  
Implementing AD and Azure AD-based authentication  
Deploying HANA Large Instances (HLI0)  
DMO methodologies  
Cloud migration options  
Very Large Database Migration to Azure  
Remote management  
Performing backups and restores  
OS and workload updates  
Vertical and horizontal scaling  
Disaster Recovery (DR)  
Monitoring Azure VMs  
Monitoring SAP HANA on Azure  
Integrating SAP solutions with Microsoft cloud services

## 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

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

**GOPAS Praha**  
Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

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[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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