



Migrate and Modernise SAP in the Microsoft Cloud (AZ-1006)

Description

Master the Migration and Modernization of SAP in Microsoft Azure

Digital transformation relies on adopting high-performing cloud solutions tailored to complex enterprise environments. The “Migrate and Modernize SAP in Microsoft Cloud (AZ-1006)” training is an unmissable opportunity for IT professionals specializing in SAP systems.

Tackle Tomorrow’s Technical Challenges with SAP on Azure

Whether it's for seamless migration or strategic modernization, this training provides all the tools you need to succeed. Explore the capabilities of Microsoft Entra ID, Azure Storage, and virtual machines to maximize the performance and resilience of your SAP systems. You will develop skills that make you a valuable asset for IT projects while preparing to address the challenges of modern infrastructures.

Course Content

Module 1: Modernize and Explore Azure Workloads for SAP

- Discover the partnership between SAP and Microsoft
- Explore the possibilities offered by SAP on Azure
- Learn common terms and their meanings

Module 2: Modernize and Identify SAP-Certified Configurations

- Identify deployment options for SAP solutions on Azure
- Discover Azure virtual machines supported for SAP products on Windows and Linux

Module 3: Modernize and Examine SAP S/4HANA on Azure Virtual Machines

- Explore SAP S/4HANA on Azure virtual machines
- Recognize architectural components
- Examine a functional workflow example

Module 4: Modernize and Explore Azure Compute for SAP

- Plan the implementation of SAP solutions
- Explore Azure virtual machines
- Examine virtual machine sizes compatible with constrained vCPUs
- Review considerations for scaling Azure virtual machines
- Explore data flows

Module 5: Modernize and Explore Azure Networking for SAP

- Discover Azure virtual networks
- Consider IP addressing
- Explore name resolution
- Review Azure load balancing
- Examine networking considerations for Azure virtual machines
- Explore Azure Traffic Manager
- Explore Azure Front Door
- Discover virtual network connectivity
- Learn about SAProuter

Module 6: Modernize and Explore Azure Storage for SAP

- Explore Azure storage types
- Learn about Azure Files
- Review Azure virtual machine disks
- Explore managed and unmanaged disks
- Examine storage configurations for Azure SAP HANA virtual machines
- Explore NFS storage for Azure virtual machines
- Discover NFS v4.1 volumes on Azure NetApp Files

Module 7: Modernize and Discover Identity Services for SAP on Azure

- Understand authentication, authorization, and access control for Azure virtual machines
- Explore Microsoft Entra ID
- Learn about SAP Cloud Platform Identity Authentication
- Integrate Microsoft Entra ID with SAP Cloud Platform Identity Authentication
- Integrate Microsoft Entra ID with SAP HANA
- Integrate Active Directory with SAP single sign-on (Kerberos-SPNEGO)
- Integrate Linux with Active Directory Domain Services
- Explore Azure Bastion

Module 8: Modernize and Explore Governance and Manageability of SAP on Azure

- Use Azure Resource Manager
- Review Azure Resource Manager templates
- Understand role-based access control (RBAC)
- Explore Azure Policy
- Learn about security and compliance services

Module 9: Modernize and Deploy Single-Instance SAP Implementations on Azure (2- and 3-Tier)

- Explore deployment methodologies
- Prepare Azure virtual machines for manual SAP HANA installation
- Learn key steps for installing SAP HANA using SAP SWPM

- Discover key steps for installing SAP HANA using SAP HANA Lifecycle Management (HLM)
- Implement SAP HANA scale-out

Module 10: Modernize and Implement High Availability in SAP NetWeaver with AnyDB on Azure Virtual Machines

- Review AnyDB deployment with high availability for 3-tier SAP NetWeaver on a single SID
- Implement SAP architecture on Azure Linux virtual machines
- Implement SAP architecture on Azure Windows virtual machines

Module 11: Modernize and Discover the Azure Center for SAP Solutions

- Discover the Azure Center for SAP Solutions
- Review prerequisites for the Azure Center for SAP Solutions
- Choose deployment options with the Azure Center for SAP Solutions
- Deploy an S/4HANA infrastructure using the Azure Center for SAP Solutions
- Install SAP software
- Register an existing SAP system
- Utilize the Azure Center for SAP Solutions services

Module 12: Modernize and Implement High Availability for SAP Workloads on Azure

- Explore Azure high availability and disaster recovery for SAP workloads
- Understand failover clustering
- Examine deployment scenarios
- Learn about high availability for SAP application servers
- Understand high availability for SAP ASCS/SCS instances
- Review SAP HANA availability
- Explore SQL Server high availability for SAP on Azure
- Explore Oracle high availability for SAP on Azure
- Review Azure infrastructure high availability capabilities
- Discover availability zones

Module 13: Modernize and Implement Disaster Recovery for SAP Workloads on Azure

- Learn about disaster recovery for SAP workloads
- Understand availability across two Azure regions
- Combine regional and cross-regional availability
- Explore site recovery
- Implement disaster recovery for SAP deployments in Azure regions using Azure Site Recovery
- Configure disaster recovery for Active Directory and DNS

Module 14: Modernize, Backup, and Restore SAP Workloads on Azure

- Explore backup and restoration for Azure virtual machines
- Understand application-consistent backup for Linux Azure virtual machines
- Learn about application backups
- Explore SAP HANA backup
- Review file-level backups for SAP HANA
- Create snapshot-based backups for SAP HANA

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your

skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- System and network administrators specialized in SAP.
- Cloud solutions and IT infrastructure architects.
- Business consultants involved in SAP projects on Azure.

Prerequisites

- Knowledge of basic Azure concepts and AZ-104 or AZ-305 certification.
- Hands-on experience with SAP HANA or SAP NetWeaver.
- Understanding of IT network and storage architectures.

Objectives

- Install and configure SAP environments on Microsoft Azure.
- Identify SAP-certified configurations for high-performance deployments.
- Plan and implement scalable SAP solutions on Azure.
- Design optimized virtual networks for SAP in Azure.
- Integrate Microsoft Entra ID with SAP systems for simplified identity management.
- Set up backup and recovery solutions for SAP workloads.
- Implement high-availability architectures for SAP HANA and NetWeaver.
- Use the Azure Center to deploy and manage SAP solutions.

Description

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Niveau

Avancé

Classroom Registration Price (CHF)

900

Virtual Classroom Registration Price (CHF)

850

Duration (in Days)

1

Reference

AZ-1006