



AZ-1006: Migrate and Modernize SAP in the Microsoft Cloud

Microsoft - Azure Apps & Infrastructure

- **Nível:** Intermédio
 - **Duração:** 7h
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Sobre o curso

This 1-day course teaches IT professionals who have experience with SAP solutions how to use Azure resources that include setting up and configuration of SAP environments in Azure for virtual machines, virtual networks, storage accounts, and Microsoft Entra ID.

Learners will also explore backup, disaster recovery, and monitoring of SAP systems in Azure. Learn through the application of concepts, scenarios, and procedures through hands-on labs using Azure Center for SAP solutions.

Destinatários

Administrators of SAP systems that run on Azure should take this course.

Pré-requisitos

Before taking this course, candidates should pass the Azure Administrator (AZ-104) or Azure Infrastructure Solutions (AZ-305) exam and have completed training in SAP HANA or SAP NetWeaver.

Programa

- Modernize and explore Azure for SAP workloads
- Modernize and identify SAP-certified configurations
- Modernize and examine SAP S/4HANA on Azure Virtual Machines
- Modernize and explore Azure for SAP compute
- Modernize and explore Azure network for SAP

- Modernize and explore Azure for SAP storage
- Modernize and explore identity services for SAP on Azure
- Modernize and explore governance and manageability for SAP on Azure
- Modernize and deploy single-instance implementations of SAP on Azure (2-tier and 3-tier)
- Modernize and implement high availability in SAP NetWeaver with AnyDB on Azure Virtual Machines
- Modernize and explore Azure Center for SAP solutions
- Modernize and implement high availability for SAP workloads in Azure
- Modernize and implement disaster recovery for SAP workloads in Azure
- Modernize, perform backups and restores for SAP workloads on Azure
- Modernize, use the planning and deployment checklist for SAP workloads on Azure
- Modernize and explore monitoring requirements of Azure for SAP workloads

Modernize and explore Azure for SAP workloads

- Discover the SAP and Microsoft partnership
- Explore your options with SAP on Azure
- Discover common terms and meanings: SAP

Modernize and identify SAP-certified configurations

- Identify deployment options for SAP solutions on Azure
- Discover supported Azure Virtual Machines for SAP products on Windows and Linux

Modernize and examine SAP S/4HANA on Azure Virtual Machines

- Explore SAP S/4HANA on Azure Virtual Machines
- Recognize architectural components
- Examine a sample functional workflow

Modernize and explore Azure for SAP compute

- Plan for implementing SAP solutions
- Explore Azure virtual machines (VMs)
- Examine constrained vCPU capable virtual machine sizes
- Examine Azure virtual machine scaling considerations
- Explore data flows

Modernize and explore Azure network for SAP

- Explore Azure virtual networks
- Consider IP addressing
- Explore name resolution
- Explore Azure load balancer

- Examine Azure virtual machine networking considerations
- Explore Azure Traffic Manager
- Explore Azure Front Door
- Explore virtual network connectivity
- Explore SAProuter

Modernize and explore Azure for SAP storage

- Explore Azure Storage types.
- Explore Azure Files.
- Examine Azure virtual machine disks.
- Explore managed and unmanaged disks.
- Examine Azure virtual machine storage considerations.
- Explore Azure virtual machine NFS storage.
- Examine SAP HANA Azure virtual machine storage configurations.
- Explore NFS v4.1 volumes on Azure NetApp Files.

Modernize and explore identity services for SAP on Azure

- Explore Azure Virtual Machine authentication, authorization, and access control.
- Explore Microsoft Entra ID.
- Explore SAP Cloud Platform Identity authentication.
- Add SAP Cloud Platform Identity Authentication from the gallery.
- Integrate Microsoft Entra ID with SAP HANA.
- Integrate Active Directory with SAP single sign-on (Kerberos-SPNEGO).
- Integrate Linux with Active Directory Domain Services.
- Discover Microsoft Entra Domain Services.
- Explore Azure Bastion.

Modernize and explore governance and manageability for SAP on Azure

- Explore Azure Resource Manager and Azure Resource Manager templates.
- Examine role-based access control.
- Explore Azure Policy.
- Explore security and compliance services.

Modernize and deploy single-instance implementations of SAP on Azure (2-tier and 3-tier)

- Explore deployment methodologies.
- Prepare Azure virtual machines for a manual installation of SAP HANA.
- Discover key steps for SAP HANA installation when you use SAP SWPM.
- Discover key steps for SAP HANA installation using HDBLCM.

- Implement SAP HANA scale-out.

Modernize and implement high availability in SAP NetWeaver with AnyDB on Azure Virtual Machines

- Examine single-SID 3-tier SAP NetWeaver high availability AnyDB deployment

Modernize and explore Azure Center for SAP solutions

- Discover Azure Center for SAP Solutions (ACSS) and its services.
- Learn how to deploy SAP workloads on Azure or register existing SAP workloads with ACSS.
- Use ACSS to manage new and existing SAP workloads on Azure.
- Monitor and troubleshoot SAP workloads on Azure.

Modernize and implement high availability for SAP workloads in Azure

- Explore high availability and disaster recovery support of Azure for SAP workloads.
- Explore high availability of SAP workloads.
- Examine failover clustering.
- Explore deployment scenarios.
- Explore high availability of SAP application servers.
- Explore high availability of SAP ASCS-SCS instances.
- Explore SAP HANA availability.
- Explore SQL Server high availability for SAP in Azure.
- Explore Oracle high availability for SAP in Azure.
- Examine high availability capabilities of Azure infrastructure.
- Explore Availability Zones.

Modernize and implement disaster recovery for SAP workloads in Azure

- Explore disaster recovery of SAP workloads.
- Explore simple availability between two Azure regions.
- Combine availability within one region and across regions.
- Explore site recovery.
- Implement disaster recovery for SAP deployments across Azure regions with Azure Site Recovery.
- Set up site recovery for virtual machines in proximity placement groups – Azure to Azure.
- Set up disaster recovery for Active Directory and DNS.

Modernize, perform backups and restores for SAP workloads on Azure

- Explore backup and restore of Azure virtual machines.
- Examine application-consistent backup of Azure Linux virtual machines.
- Explore application backup.

- Explore SAP HANA backup.
- Explore SAP HANA file-level backups.
- Create SAP HANA snapshot-based backups.

Modernize, use the planning and deployment checklist for SAP workloads on Azure

- Examine the SAP workload planning and deployment checklist.
- Explore the project preparation and planning phase.
- Explore the production preparation phase.
- Explore very large database migration.

Modernize and explore monitoring requirements of Azure for SAP workloads

- Explore the monitoring requirements of Azure for SAP workloads.
- Examine monitoring, logging, and alerting services.
- Explore Azure VM monitoring considerations.
- Troubleshoot the Azure Extension for SAP.
- Explore the Azure Extension for SAP.