Planning and Deploying SAP on Azure (AZ-120)

Description

Optimize SAP Deployment on Azure with the AZ-120 Certification

The digital transformation of businesses relies on a high-performing and scalable infrastructure. With Azure Cloud, Microsoft provides a powerful platform for hosting and optimizing SAP solutions. This AZ-120 course guides you through planning and deploying SAP on Azure, equipping you with essential skills to manage virtual machines, networking, and storage.

Through a hands-on approach, you will learn how to implement the best migration strategies and hybrid identity management with Azure AD. You will also discover how to secure your SAP infrastructure while optimizing system performance and availability. This program effectively prepares you to tackle the challenges of SAP administration and integration on Azure.

Master SAP Integration in the Azure Environment

This training is designed for IT professionals looking to gain in-depth expertise in the interconnection between SAP and Azure. Through real-world scenarios and practical labs, you will understand how to configure, monitor, and maintain resilient and highly available SAP architectures. Benefit from a structured learning experience to develop essential skills and maximize your professional opportunities.

Course Content
Module 1: Exploring SAP Workloads on Azure

- Discover the partnership between SAP and Microsoft
- Explore the capabilities of SAP on Azure
- Evaluate Microsoft components for SAP

Module 2: Understanding Common Terms and Their Meaning for SAP on Azure

- Discover common terms used for SAP
- Understand SAP deployments on Azure
- Identify fundamental Azure concepts

Module 3: Identifying Certified SAP Configurations

- Discover prerequisites for SAP cloud support
- Identify deployment options for SAP on Azure
- Explore SAP-compatible virtual machines
- Review SAP certifications and configurations on Azure

Module 4: Examining SAP NetWeaver with AnyDB on Azure Virtual Machines

- Explore SAP NetWeaver with AnyDB
- Recognize architectural components
- Examine an SAP NetWeaver functional workflow

Module 5: Examining SAP S/4HANA on Azure Virtual Machines

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

Module 6: Exploring Azure for SAP Compute

- Plan SAP solution implementation
- Explore Azure virtual machines
- Review compatible VM sizes for virtual processors
- Scale Azure virtual machines
- Review scaling considerations
- Explore network bandwidth allocation
- Analyze data flows
- Implement SAP HANA high availability

Module 7: Exploring Azure Networking for SAP

- Discover Azure virtual networks
- Explore IP addressing and name resolution
- Review accelerated networking and load balancing
- Analyze Azure routing configurations
- Explore intersite connectivity and SAProuter

Module 8: Exploring Azure Storage for SAP

- Discover Azure storage types
- Review virtual machine disks
- Explore SAP HANA dynamic tiering
- Review best practices for storage
- Analyze SAP HANA-specific configurations

Module 9: Exploring Azure Databases for SAP

- Discover SAP database support on Azure
- Review SQL Server and Oracle for SAP
- Implement Linux and Windows clustering for SAP

Module 10: Exploring Azure Networking for SAP RISE

- Understand Azure integration with SAP RISE
- Explore network peering and connectivity

Module 11: Exploring Identity Services for SAP on Azure

- Discover Microsoft Entra ID
- Integrate SAP Cloud Platform Identity Authentication
- Configure SAP Single Sign-On
- Review Active Directory Domain Services

Module 12: Exploring Remote Management for SAP on Azure

- Use remote management for Azure virtual machines
- Configure the Azure Connector for SAP Landscape Management

- Explore Azure Bastion and Just-In-Time access

Module 13: Exploring Governance and Manageability

- Use Azure Resource Manager
- Review role-based access control
- Explore Azure Policy and Azure Automation

Module 14: Deploying Single-Instance SAP Implementations on Azure

- Explore deployment methodologies
- Deploy SAP HANA via Azure Resource Manager
- Manually install SAP HANA on Azure virtual machines

Module 15: Implementing High Availability in SAP NetWeaver

- Review high availability scenarios
- Configure a Windows failover cluster
- Implement a high availability NFS share

Module 16: Discovering Azure Center for SAP Solutions

- Explore prerequisites and features of Azure Center for SAP
- Deploy an S/4HANA infrastructure using Azure Center

Module 17: Implementing High Availability for SAP on Azure

- Explore high availability strategies
- Review clustering and availability architectures
- Configure availability zones and disaster recovery

Module 18: Implementing Disaster Recovery for SAP on Azure

- Explore disaster recovery for SAP
- Configure virtual machine replication
- Set up Active Directory disaster recovery

Module 19: Performing Backup and Restore for SAP

- Explore backup and restore strategies
- Configure SAP HANA and SQL Server backups

Module 20: Using the Deployment and Planning Checklist

- Review the SAP migration checklist
- Analyze preparation and go-live phases

Module 21: Exploring Migration Options for SAP on Azure

- Analyze SAP system migration strategies
- Compare classical migration and DMO migration
- Explore one-step and two-step migration

Module 22: Migrating Large Databases to Azure

- Optimize the source and target systems
- Monitor VLDB (Very Large Database) migration

Module 23: Exploring Azure Monitoring for SAP

- Review logging and alerting services
- Explore Azure Monitor and Log Analytics
- Configure SAP HANA alerts

Module 24: Configuring the Enhanced Azure Monitoring Extension

- Explore the Azure Enhanced Monitoring Extension
- Configure the extension for SAP

Module 25: Exploring SAP Licensing, Pricing, and Support on Azure

- Analyze costs and licensing requirements
- Understand SAP support options on Azure

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.

Exam

- This course prepares for the AZ-120: Azure for SAP Workloads Specialty certification

Participant profiles

- Azure administrators responsible for SAP solutions
- Cloud architects specializing in SAP integration
- SAP consultants looking to master the Azure environment
- System and cloud infrastructure engineers
- IT managers overseeing SAP migration to Azure

Prerequisites

- Have a solid foundation in Azure administration
- Understand the fundamental principles of SAP systems
- Master virtualization and networking concepts

Objectives

- Plan and implement SAP solutions on Azure
- Deploy and manage Azure virtual machines for SAP
- Optimize storage and networking for SAP systems
- Implement high availability and disaster recovery
- Monitor performance and security of SAP environments on Azure

- Configure authentication and integration with Microsoft Entra ID
- Apply best practices for SAP migration to Azure

Description
Planning and Deploying SAP on Azure (AZ-120)
Niveau
Avancé
Classroom Registration Price (CHF)
2700
Virtual Classroom Registration Price (CHF)
2550
Duration (in Days)
3
Reference
AZ-120T00