



AZ-120T00: Planning and Administering Microsoft® Azure® for SAP® Workloads

Duration: 4 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified: Azure for SAP Workloads Specialty — **Exam:** AZ-120: Planning and Administering Microsoft Azure for SAP Workloads

Course Description

This course teaches participants how to leverage Azure resources which will include deployment and configuration of virtual machines, virtual networks, storage accounts, and Azure Active Directory® (AD) that includes implementing and managing hybrid identities. Participants will learn through concepts, scenarios, procedures, and hands-on labs on how to best plan and implement migration and operation of an SAP solution on Azure. They 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 AD, secure identities, and monitor their solution.

Target Audience

This course is intended for:

- IT Professionals experienced in SAP solutions.
- Azure Administrators who migrate and manage SAP solutions on Azure.

Prerequisites

To attend this course, candidates must have:

- Solid knowledge of implementing, migrating, and administering SAP Applications.
- Prior experience in Linux operating systems, virtualization, cloud infrastructure, storage structures, and networking. Specifically:
 - Hands-on experience with Azure IaaS and PaaS solutions, including VM, VNet, Load Balancers, Storage (Blob, Files, Disks).
 - Understanding of on-premises and cloud virtualization technologies, including VMs, virtual networking, and virtual hard disks.
 - Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.



Prerequisites *Continued*

- Understanding of Active Directory concepts
- Experience with Linux/Unix environments.
- Solid knowledge of SAP Applications, SAP HANA, S/4HANA, SAP NetWeaver, SAP BW, OS Servers for SAP Applications and Databases.
- Understanding of SAP HANA deployment and configuration.
- Hands-on experience with SAP HANA administration
- Completed the following courses or have equivalent knowledge and hands-on experience:
 - AZ-900T00/T01: Azure Fundamentals
 - AZ-104: Azure Administrator

Course Objectives

Upon successful completion of this course, attendees will be able to:

- 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

Course Topics

Module 1: Introduction to Azure for SAP Workloads

- Microsoft and SAP Partnership
- Explore an Overview of Azure for SAP Workloads
- Common Terms and Meanings

Module 2: Foundations of Azure for SAP Workloads

- Azure Compute
- Azure Storage
- Azure Networking
- Identity Services
- Governance and Manageability

Module 3: SAP Certified Offerings on Azure

- General Prerequisites (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

Module 4: Azure for SAP Workloads Reference Architecture

- SAP NetWeaver with AnyDB on Azure VMs
- SAP S4 HANA on Azure VMs



Course Topics *Continued*

Module 5: Planning for Implementing SAP Solutions on Azure

- Azure VM Compute
- Network, and Storage Considerations
- Azure VM High Availability and Disaster Recovery Considerations
- Azure VM Backup Considerations
- Azure VM Monitoring Considerations
- Azure VM Security Considerations
- Azure VM Authentication and Access Control Considerations
- Azure VM Licensing, Pricing, and Support Considerations

Module 6: Planning for Migrating SAP Workloads to Azure

- Strategies for Migrating SAP Systems to Microsoft Azure and SAP
- Workload Planning and Deployment Checklist

Module 7: Implementing Azure VM-based SAP Solutions

- Azure VM Deployment Methodologies
- Single-Instance Implementations (2-Tier and 3-Tier)
- Implementing HA SAP NetWeaver with AnyDB on Azure VMs
- implementing HA SAP HANA on Azure VMs
- Configuring Azure Enhanced Monitoring Extension for SAP
- implementing AD and Azure AD-Based Authentication

Module 8: SAP HANA on Azure (Large Instances) (HLI)

- Foundations of SAP HANA on Azure (Large Instances) (HLI)

- HLI Certified Offerings
- HLI Sample Architecture
- HLI Planning Considerations
- HLI High Availability and Disaster Recovery Planning
- HLI Backup Considerations
- HLI Security Considerations
- HLI Licensing and Support
- Implementing and Deploying HLI
- Managing HLI
- HLI Monitoring and Troubleshooting

Module 9: Migrating SAP Workloads to Azure

- Migration Options
- DMO Methodology
- Cloud Migration Options
- Very Large Database Migration to Azure

Module 10: Maintaining Azure for SAP Workloads

- Remote Management
- performing backups And Restores
- Networking Changes
- OS and Workload Updates
- Vertical and Horizontal Scaling
- Disaster Recovery

Module 11: Monitoring and Troubleshooting Azure for SAP Workloads

- Monitoring and Troubleshooting Azure VMs
- Raising Support Requests

LABS INCLUDED

