

AZ - 1401 : Planning and Administering Microsoft Azure for SAP Workloads

Course Outline

Module 1: Introduction

Topics

- Overview of the SAP and Microsoft partnership

Module 2: Foundations of SAP on Azure

Topics

- Azure compute
- Azure storage
- Azure networking
- SAP HANA for Azure (Large Instances)
- Identity services
- Governance and manageability
- Backup and data protection services
- Migration services

Module 3: SAP Certified Offerings on Azure

Topics

- General prerequisites on SAP support in public cloud environments
- Deployment options of Azure for SAP workloads
- SAP product-specific support for Azure
- Operating System support for SAP workloads
- Storage support for SAP workloads
- Networking support for SAP
- Database support for SAP
- High availability and disaster recovery support for SAP
- Monitoring requirements for SAP

Labs

- Implementing Linux clustering on Azure VMs
- Implementing Windows clustering on Azure VMs

Module 4: SAP on Azure Reference Architecture

Topics

- SAP NetWeaver with AnyDB
- SAP S/4 HANA
- SAP HANA on Azure (Large Instances) on Azure VMs

Module 5: Planning for Implementing SAP Solutions on Azure

Topics

- Azure VM compute
- Network and storage considerations
- Azure VM high availability and disaster recovery

- Backup and monitoring considerations
- Security considerations
- Authentication and access control considerations

Module 6: Planning for Migrating SAP Workloads to Azure

Topics

- Strategies for migrating SAP systems to Microsoft Azure
- SAP workload planning
- Deployment checklist

Module 7: Implementing Azure VM-based SAP Solutions

Topics

- Azure VM deployment methodologies
- Single-instance implementations (2-tier or 3-tier)
- Implementing HA SAP NetWeaver with AnyDB on Azure VMs
- Implementing HA SAP HANA on Azure VMs
- Configure the Azure Enhanced Monitoring Extension for SAP
- Implementing Active Directory (AD)
- Azure AD-based authentication

Module 8: Deploying HANA Large Instances (HLI)

Topics

- Implementing HANA Large Instances (HLI)

Module 9: Migrating SAP Workloads to Azure

Topics

- Migration options
- DMO methodologies
- Cloud migration options
- Very Large Database (VLDB) migration to Azure

Labs

- Implement SAP architecture on Azure VMs running Linux
- Implement SAP architecture on Azure VMs running Windows

Module 10: Maintaining SAP on Azure

Topics

- Remote management
- Performing backups and restores
- OS and workload updates
- Vertical and horizontal scaling
- Disaster Recovery (DR)

Module 11: Monitoring and Troubleshooting SAP on Azure

Topics

- Monitoring Azure VMs
- Monitoring SAP HANA on Azure (Large Instances)
- Integrating SAP solutions with Microsoft cloud services.