Planning and Administering Microsoft Azure for SAP Workloads

Content

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

       o 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