

AZ-1007: Deploy and Administer Linux Virtual Machines on Azure

Course Description

In this learning path, you prepare for the Applied Skill, Deploy and administer Linux virtual machines on Microsoft Azure.

Course Duration

1 day

Prerequisites

- Experience using the Azure portal and CLI to create resources.
- Familiarity with identity management and role-based access control.
- Experience creating and configuring Azure virtual machines.
- Working knowledge of administering operating systems based on the Linux kernel.

Course Outline

1 - Configure virtual machines

- Review cloud services responsibilities
- Plan virtual machines
- Determine virtual machine sizing
- Determine virtual machine storage
- Create virtual machines in the Azure portal
- Connect to virtual machines

2 - Add and size disks in Azure virtual machines

- Understand storage options for virtual machines (VMs)
- Determine whether to use premium storage
- Resize virtual machine disks

3 - Monitor your Azure virtual machines with Azure Monitor

- Monitoring for Azure VMs
- Monitor VM host data
- Use Metrics Explorer to view detailed host metrics
- Collect client performance counters by using VM insights
- Collect VM client event logs

4 - Protect your virtual machines by using Azure Backup

- Azure Backup features and scenarios
- Back up an Azure virtual machine by using Azure Backup
- Restore virtual machine data

5 - Manage virtual machines with the Azure CLI

- What is the Azure CLI?

6 - Implement access management for Azure resources

- Assign Azure roles
- Configure custom Azure roles

- Create and configure managed identities
- Access Azure resources with managed identities
- Analyze Azure role permissions
- Configure Azure Key Vault RBAC policies
- Retrieve objects from Azure Key Vault
- Explore Microsoft Entra Permissions Management

7 - Configure Azure Files and Azure File Sync

- Compare storage for file shares and blob data
- Manage Azure file shares
- Create file share snapshots
- Implement soft delete for Azure Files
- Use Azure Storage Explorer
- Deploy Azure File Sync

Who Should Attend

- Administrator