DEPLOY AND ADMINISTER LINUX VIRTUAL MACHINES ON AZURE (AZ-1007)

Course Code: 834069

Prepare for the Applied Skill, Deploy and administer Linux virtual machines on Microsoft Azure.

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

What You'll Learn

Students will learn to,

- Configure virtual machines
- Add and size disks in Azure virtual machines
- Monitor your Azure virtual machines with Azure Monitor
- Protect your virtual machines by using Azure Backup
- Manage virtual machines with the Azure CLI
- Implement access management for Azure resources
- Configure Azure Files and Azure File Sync
- Guided Project: Deploy and administer Linux virtual machines on Azure

Who Needs to Attend

Azure Administrators wishing to deploy and administer Linux virtual machines on Azure.

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.

DEPLOY AND ADMINISTER LINUX VIRTUAL MACHINES ON AZURE (AZ-1007)

Course Code: 834069

CLASSROOM LIVE	$675 CAD	1 Day

Classroom Live Outline

Module 1: Configure virtual machines

- Determine the responsibilities of cloud service providers and customers in a cloud computing environment.
- Identify the key considerations and factors involved in planning for virtual machines. Considerations include workload requirements, resource allocation, and secure access.
- Configure virtual machine storage and virtual machine sizing.
- Create a virtual machine in the Azure portal.
- Practice deploying an Azure virtual machine and verify the configuration.

Module 2: Add and size disks in Azure virtual machines

- Create a virtual machine (VM)
- Configure and attach virtual hard drives (VHDs) to an existing VM
- Determine whether you need premium disks
- Resize disks for a VM

Module 3: Monitor your Azure virtual machines with Azure Monitor

- Understand which monitoring data you need to collect from your VM.
- Enable and view recommended alerts and diagnostics.
- Use Azure Monitor to collect and analyze VM host metrics data.
- Use Azure Monitor Agent to collect VM client performance metrics and event logs.

Module 4: Protect your virtual machines by using Azure Backup

- Identify the scenarios for which Azure Backup provides backup and restore capabilities

- Back up and restore an Azure virtual machine

Module 5: Manage virtual machines with the Azure CLI

- Create a virtual machine with the Azure CLI.
- Resize virtual machines with the Azure CLI.
- Perform basic management tasks using the Azure CLI.
- Connect to a running VM with SSH and the Azure CLI.

Module 6: Implement access management for Azure resources

- Configure and use Azure roles within Microsoft Entra ID
- Configure and managed identity and assign it to Azure resources
- Analyze the role permissions granted to or inherited by a user
- Configure access to data in Azure Key Vault using RBAC-policy

Module 7: Configure Azure Files and Azure File Sync

- Identify storage for file shares versus blob data.
- Configure Azure file shares and file share snapshots.
- Identify features and use cases of Azure File Sync.
- Identify Azure File Sync components and configuration steps.

Module 8: Guided Project: Deploy and administer Linux virtual machines on Azure

- In this module, you practice for the Deploy and administer Linux virtual machines on Azure Applied Skill. You also gain skills to help with day-to-day administrator job tasks. The content combines topics on compute, storage, and monitoring tasks.

DEPLOY AND ADMINISTER LINUX VIRTUAL MACHINES ON AZURE (AZ-1007)

Course Code: 834069

VIRTUAL CLASSROOM LIVE	$675 CAD	1 Day

Virtual Classroom Live Outline

Module 1: Configure virtual machines

- Determine the responsibilities of cloud service providers and customers in a cloud computing environment.
- Identify the key considerations and factors involved in planning for virtual machines. Considerations include workload requirements, resource allocation, and secure access.
- Configure virtual machine storage and virtual machine sizing.
- Create a virtual machine in the Azure portal.
- Practice deploying an Azure virtual machine and verify the configuration.

Module 2: Add and size disks in Azure virtual machines

- Create a virtual machine (VM)
- Configure and attach virtual hard drives (VHDs) to an existing VM
- Determine whether you need premium disks
- Resize disks for a VM

Module 3: Monitor your Azure virtual machines with Azure Monitor

- Understand which monitoring data you need to collect from your VM.
- Enable and view recommended alerts and diagnostics.
- Use Azure Monitor to collect and analyze VM host metrics data.
- Use Azure Monitor Agent to collect VM client performance metrics and event logs.

Module 4: Protect your virtual machines by using Azure Backup

- Identify the scenarios for which Azure Backup provides backup and restore capabilities

- Back up and restore an Azure virtual machine

Module 5: Manage virtual machines with the Azure CLI

- Create a virtual machine with the Azure CLI.
- Resize virtual machines with the Azure CLI.
- Perform basic management tasks using the Azure CLI.
- Connect to a running VM with SSH and the Azure CLI.

Module 6: Implement access management for Azure resources

- Configure and use Azure roles within Microsoft Entra ID
- Configure and managed identity and assign it to Azure resources
- Analyze the role permissions granted to or inherited by a user
- Configure access to data in Azure Key Vault using RBAC-policy

Module 7: Configure Azure Files and Azure File Sync

- Identify storage for file shares versus blob data.
- Configure Azure file shares and file share snapshots.
- Identify features and use cases of Azure File Sync.
- Identify Azure File Sync components and configuration steps.

Module 8: Guided Project: Deploy and administer Linux virtual machines on Azure

- In this module, you practice for the Deploy and administer Linux virtual machines on Azure Applied Skill. You also gain skills to help with day-to-day administrator job tasks. The content combines topics on compute, storage, and monitoring tasks.

Jul 16 - 16, 2025 | 9:00 AM - 5:00 PM EDT

DEPLOY AND ADMINISTER LINUX VIRTUAL MACHINES ON AZURE (AZ-1007)

Course Code: 834069

PRIVATE GROUP TRAINING	1 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.