

# Deploy and administer Linux virtual machines on Azure (AZ-1007)

## Description

### Master the Deployment and Management of Linux Virtual Machines on Azure

Mastering Azure Virtual Machines is now essential for IT professionals looking to manage complex cloud environments. The AZ-1007 training course is designed to help you develop practical, hands-on skills. Through this program, you will learn how to deploy and administer Linux virtual machines on Microsoft Azure. This course meets the current market demands for system administrators, cloud engineers, and IT architects.

### Why Take the AZ-1007 Training?

Azure is a key player in cloud computing, and knowing how to deploy Linux virtual machines is a highly sought-after skill. This course is designed to be comprehensive and practical, combining step-by-step learning with hands-on exercises to ensure a fast and effective skill upgrade. Join this training and prepare to become a recognized expert in managing cloud environments on Azure!

### Course Content

#### Module 1 : 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

#### Module 2 : 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

#### Module 3 : 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

#### Module 4 : Manage Virtual Machines with the Azure CLI

- What is the Azure CLI?
- Create a virtual machine
- Explore other VM images
- Sizing VMs properly
- Query system and runtime information about the VM
- Start and stop your VM with the Azure CLI

- Install software on your VM

## **Module 5 : 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

## **Module 6 : Configure Azure Files**

- 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
- Consider Azure File Sync

## **Module 7 : Deploy and Administer Linux Virtual Machines on Azure**

- Create and configure Linux virtual machines
- Monitor virtual machines
- Configure storage for virtual machines
- Back up virtual machines

## **Lab / Exercises**

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

## **Documentation**

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

## **Participant profiles**

- System Administrators
- Cloud Engineers
- DevOps
- IT Infrastructure Managers

## **Prerequisites**

- Master the fundamentals of the Linux system
- Understand identity and access management
- Learn to use the Azure interface or Azure CLI

## **Objectives**

- Deploy and manage Linux virtual machines on Azure

- Configure and manage virtual machine storage
- Monitor performance and logs with Azure Monitor
- Implement backup and recovery strategies
- Manage virtual machines using the Azure CLI command-line interface
- Control access and identity management

**Description**

Deploy and administer Linux virtual machines on Azure (AZ-1007)

**Niveau**

Intermédiaire

**Classroom Registration Price (CHF)**

900

**Virtual Classroom Registration Price (CHF)**

850

**Duration (in Days)**

1

**Reference**

AZ-1007