

## COURSE OUTLINE



**Course Name:** Secure Storage For Azure Files And Azure Blob Storage

**Course Code:** MS-AZ1003

### DELIVERY

1 Day

### SKILL LEVEL

Intermediate

### DELIVERY METHOD

In Class/VILT

### TRAINING CREDITS

N/A

### TECHNOLOGY

Microsoft

## Course Overview

In this learning path, you practice storing business data securely by using Azure Blob Storage and Azure Files. The skills validated include creating storage accounts, storage containers, and file shares. Also, configuring encryption and networking to improve the security posture.

## Pre-requisites

Before attending this course, delegates must know:

- Experience using the Azure portal to create resources
- Basic knowledge of unstructured data like blob and files
- Basic knowledge of security concepts like identities, permissions and encryption
- Basic knowledge of networking concepts like virtual networks and subnetting

## Course content

### Module 1: Create AzureStorage account

Create an Azure Storage account with the correct options for your business needs.

**Lesson 1:** Introduction

**Lesson 2:** Decide how many storage accounts you need

**Lesson 3:** Choose your account settings

**Lesson 4:** Choose an account creation tool

**Lesson 5:** Exercise-Create a storage account using the Azure portal

**Lesson 6:** Knowledge check-Create a Storage account

### Module 2: Configure Azure Blob Storage

Azure Virtual Desktop design requires you access network capacity and speed requirements, select a load balancing method for Azure Virtual Desktop deployment and choose the right Windows Desktop client.

**Lesson 1:** Introduction

**Lesson 2:** Implement Azure Blob Storage

**Lesson 3:** Create blob containers

**Lesson 4:** Assign blob access tiers

**Lesson 5:** Add blob lifecycle management rules

**Lesson 6:** Determine blob object replication

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**Lesson 7:** Upload blobs

**Lesson 8:** Determine Blob Storage pricing

**Lesson 9:** Interactive lab simulation

**Lesson 10:** Knowledge check

**Lesson 11:** Summary and resources

### **Module 3: Configure Azure Storage security**

You users require access to those application both on-premises and in the cloud. You use the Remote Desktop client for Windows Desktop to access Windows apps and desktops remotely from a different Windows device.

**Lesson 1:** Introduction

**Lesson 2:** Review Azure Storage security strategies

**Lesson 3:** Create shared access signatures

**Lesson 4:** Identify URI and SAS parameters

**Lesson 5:** Determine Azure Storage encryption

**Lesson 6:** Create customer-managed keys

**Lesson 7:** Apply Azure Storage security best practices

**Lesson 8:** Interactive lab simulation

**Lesson 9:** Knowledge check

**Lesson 10:** Summary and resources

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## **Module 4: Implement storage security**

See how to monitor and repair health of their Azure Virtual Desktop including virtual machines, virtual networks, application gateways and load balancers.

**Lesson 1:** Introduction

**Lesson 2:** Implement Azure virtual network connectivity

**Lesson 3:** Manage connectivity to the internet and on-premises networks

**Lesson 4:** Understanding Azure Virtual Desktop network connectivity

**Lesson 5:** Configure Azure Virtual Desktop session hosts using Azure Bastion

**Lesson 6:** Monitor and troubleshoot network connectivity for Azure Virtual Desktop

**Lesson 7:** Plan and implement Remote Desktop Protocol Shortpath

**Lesson 8:** Configure Remote Desktop protocol Shortpath for managed networks

**Lesson 9:** Configure Windows Defender Firewall with Advanced Security for RDP Shortpath

**Lesson 10:** Plan and implement Quality of Service for Azure Virtual Desktop

**Lesson 11:** Knowledge check

## **Module 5: Secure and isolate access to Azure resources by using network security groups and service endpoints**

Network security groups and service endpoints help you secure your virtual machines and Azure services from unauthorized network access

**Lesson 1:** Introduction

**Lesson 2:** Use network security groups to control network access

**Lesson 3:** Exercise-Create and manage network security groups

**Lesson 4:** Secure network access to PaaS services with virtual network service endpoints

**Lesson 5:** Exercise-Restrict access to Azure Storage by using service endpoints

**Lesson 6:** Summary

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## **Module 6: Guided Project-Azure Files and Azure Blobs**

In this module, you practice storing business data securely by using Azure Blob Storage and Azure Files. The lab combines both learning and hands-on practice.

**Lesson 1:** Introduction

**Lesson 2:** Exercise-Provide storage for the IT department testing and training

**Lesson 3:** Exercise-Provide private storage for internal company documents

**Lesson 4:** Exercise-Provide shared file storage for the company documents

**Lesson 5:** Exercise-Provide storage file for the company offices

**Lesson 6:** Exercise-Provide storage for a new company app

**Lesson 7:** Knowledge check

**Lesson 8:** Summary and resource

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