AZ-1003: Secure storage for Azure Files and Azure Blob Storage

Course Details

Course Code: AZ-1003

Duration: 1 day

Notes:

- This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.
- Course content, prices, and availability are subject to change without notice.
- Terms and Conditions apply

Elements of this syllabus are subject to change.

About this course

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.

Note

You need an Azure subscription to complete these exercises. If you don't have an Azure subscription, create a free account, and add a subscription before you begin. If you are a student, you can take advantage of the Azure for students offer.

Prerequisites

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

Create an Azure Storage account

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

Learning objectives

In this module, you will:

- Decide how many storage accounts you need for your project
- Determine the appropriate settings for each storage account
- Create a storage account using the Azure portal

Configure Azure Blob Storage

AI assisted content. This module was partially created with the help of artificial intelligence. Learn more

Learn how to configure Configure Azure Blob Storage, including tiers and object replication.

Learning objectives

In this module, you learn how to:

- Understand the purpose and benefits of Azure Blob Storage.
- Create and configure Azure Blob Storage accounts.
- Manage containers and blobs within Azure Blob Storage.
- Optimize blob storage performance and scalability.
- Implement lifecycle management policies to automate data movement and deletion.
- Determine the best pricing plans for your Azure Blob Storage.

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.

Learning objectives

In this module, you will:

- Identify the capabilities and features of network security groups.
- Identify the capabilities and features of virtual network service endpoints.

- Use network security groups to restrict network connectivity.
- Use virtual network service endpoints to control network traffic to and from Azure services.

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.

Learning objectives

In this module, you practice how to:

- Create and configure a storage account.
- Create and configure blob storage.
- Create and configure Azure Files.
- Configure encryption for storage.
- Configure networking for storage.