

TASK - 12



## *Azure storage account*

Create Storage Account Create a Blob service/  
File Share/ Table/Queue in Storage account



Ananya Srivastava  
CLOUD INFRA

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# 1. Introduction

This document provides a step-by-step guide on creating a Storage Account in Microsoft Azure and configuring various storage services including Blob service, File Share, Table, and Queue. Azure Storage is a scalable cloud storage solution that provides highly available, secure, and durable storage for a variety of data objects.

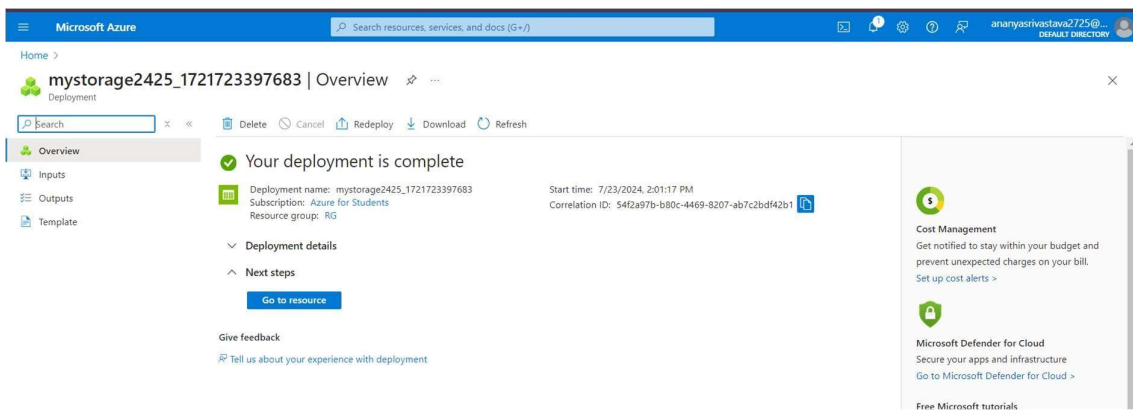
## 2. Creating a Storage Account

### 1. Create a Storage Account

1. Open Azure Portal: Go to the [Azure Portal](#).
2. Navigate to Storage Accounts: In the left-hand menu, click on "Storage accounts."
3. Create a New Storage Account:
  - o Click on "Add."
  - o Fill in the required fields:
    - ☐ Subscription: Select your subscription.
    - ☐ Resource Group: Select an existing resource group or create a new one.
    - ☐ Storage account name: Enter a unique name for your storage account.
    - ☐ Region: Choose a region close to your location.
    - ☐ Performance: Select either Standard or Premium based on your needs.
    - ☐ Replication: Choose a replication option (e.g., Locally-redundant storage (LRS)).
  - o Click "Review + Create" and then "Create."

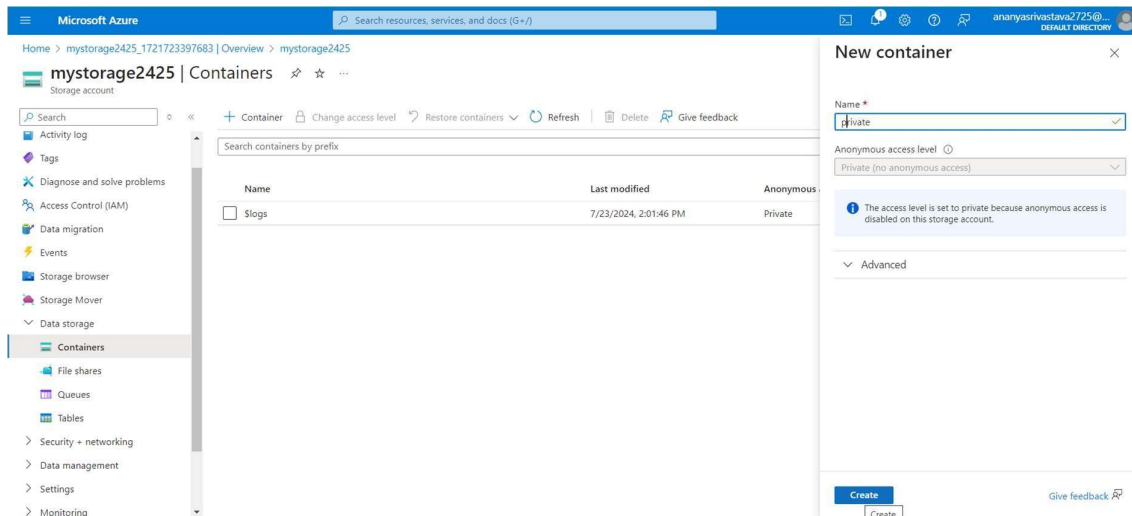
The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, specifically the 'Review + create' tab. The interface includes a top navigation bar with the 'Microsoft Azure' logo and a search bar. Below the navigation bar, the breadcrumb 'Home > Storage accounts >' is visible. The main heading is 'Create a storage account'. The 'Review + create' tab is selected, showing a summary of the configuration. The 'Basics' section includes: Subscription (Azure for Students), Resource group (RG), Location (East US), Storage account name (mystorage2425), Performance (Standard), and Replication (Read-access geo-redundant storage (RA-GRS)). The 'Advanced' section includes: Enable hierarchical namespace (Disabled), Enable SFTP (Disabled), Enable network file system v3 (Disabled), Allow cross-tenant replication (Disabled), and Access tier (Hot). At the bottom, there are buttons for 'Back', 'Next', and 'Create'. A 'Give feedback' link is also present in the bottom right corner.

Section	Field	Value
Basics	Subscription	Azure for Students
	Resource group	RG
	Location	East US
	Storage account name	mystorage2425
	Performance	Standard
	Replication	Read-access geo-redundant storage (RA-GRS)
Advanced	Enable hierarchical namespace	Disabled
	Enable SFTP	Disabled
	Enable network file system v3	Disabled
	Allow cross-tenant replication	Disabled
	Access tier	Hot



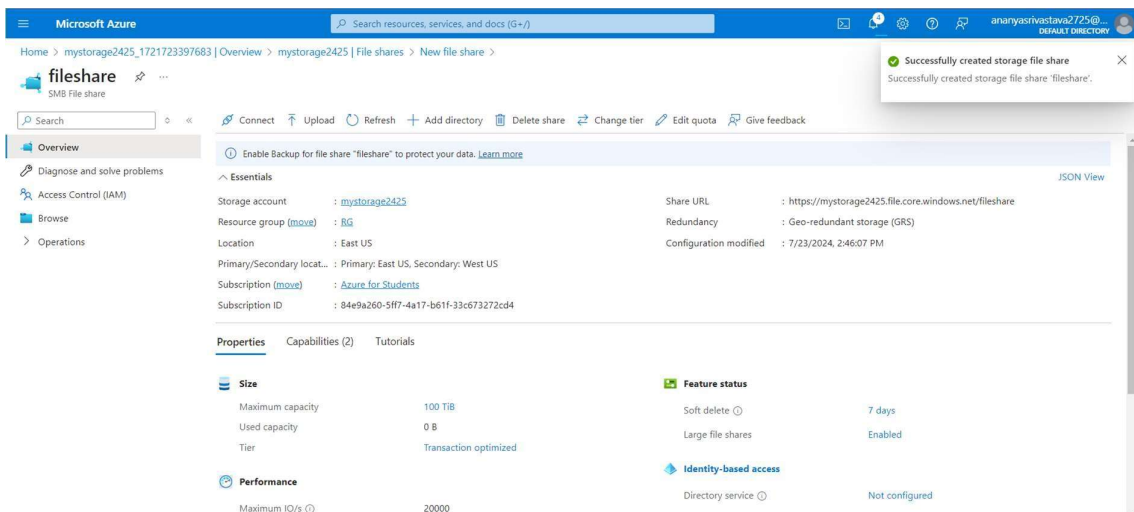
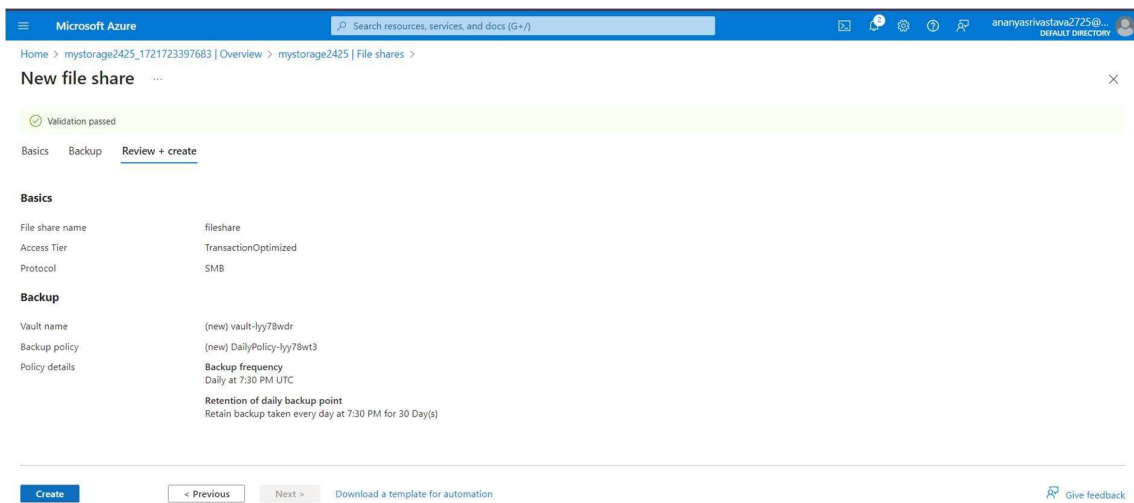
### 3. Create a Blob Service

1. Navigate to Your Storage Account: In the Azure Portal, go to "Storage accounts" and select the storage account you just created.
2. Create a Blob Container:
  - o Under "Blob service" in the left-hand menu, click on "Containers."
  - o Click "Add container."
  - o Enter a name for the container and set the public access level (e.g., Private).
  - o Click "Create."



### 4. Create a File Share

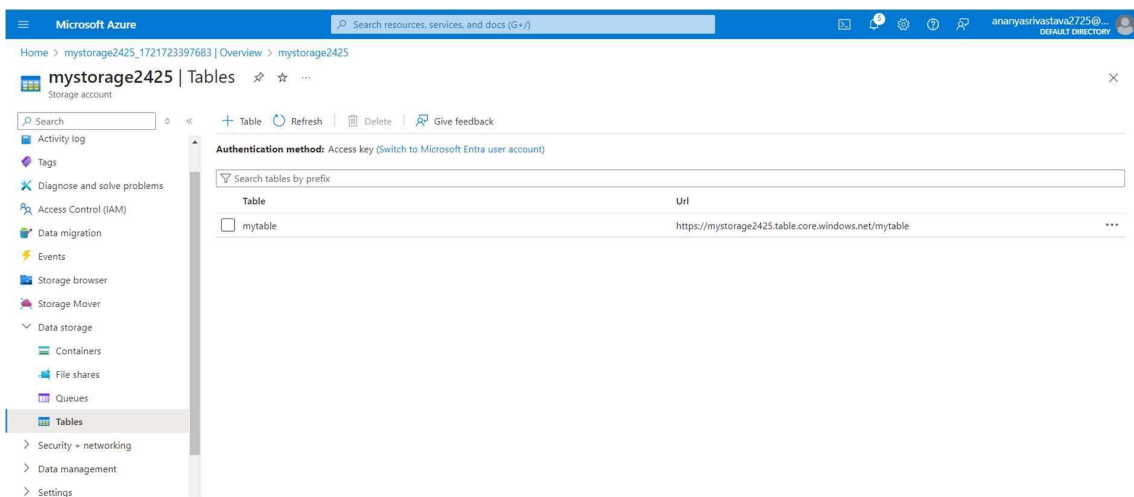
1. Navigate to File Shares:
  - o Under "File service" in the left-hand menu, click on "File shares."
  - o Click "Add file share."
  - o Enter a name for the file share and set the quota (optional).
  - o Click "Create."



## 5. Create a Table

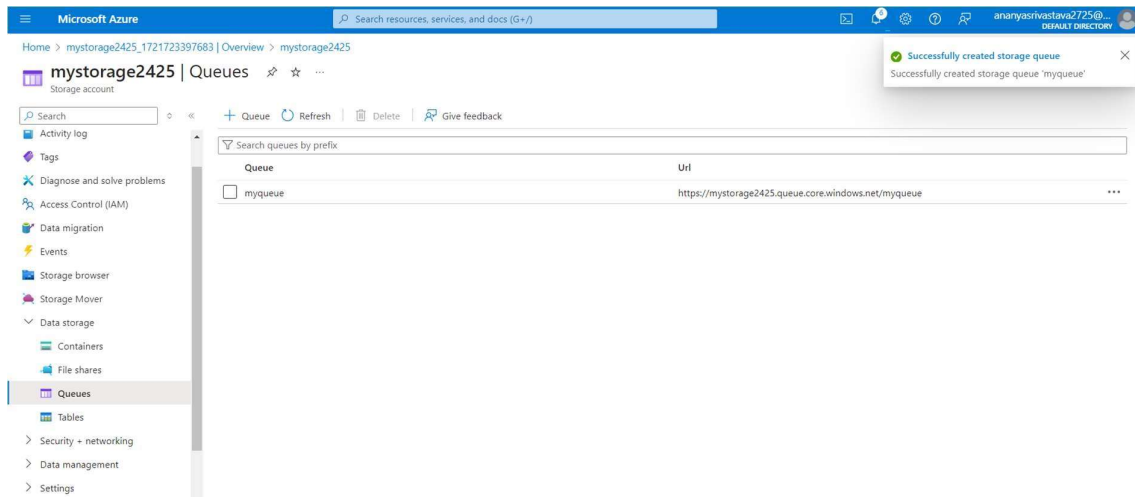
### 1. Navigate to Tables:

- o Under "Table service" in the left-hand menu, click on "Tables."
- o Click "Add table."
- o Enter a name for the table.
- o Click "OK."



## 6. Create a Queue

1. Navigate to Queues:
  - o Under "Queue service" in the left-hand menu, click on "Queues."
  - o Click "Add queue."
  - o Enter a name for the queue.
  - o Click "OK."



## 7. Summary

1. Create Storage Account: Use the Azure Portal to create a new storage account.
2. Blob Service: Create a blob container within your storage account.
3. File Share: Set up a file share for storing and sharing files.
4. Table: Create a table for structured data storage.
5. Queue: Set up a queue for message storage and retrieval.

## 8. Conclusion

By following the steps outlined in this document, you can successfully create a Storage Account in Azure and configure various storage services such as Blob service, File Share, Table, and Queue. This setup provides a scalable and secure storage solution for different types of data, ensuring high availability and durability.

## 9 References

- [Microsoft Azure Documentation](https://learn.microsoft.com/enus/azure/?product=popular) - <https://learn.microsoft.com/enus/azure/?product=popular>
- [Azure Storage Documentation](https://learn.microsoft.com/en-us/azure/storage/) - <https://learn.microsoft.com/en-us/azure/storage/>