

ASSIGNMENT - 11



AUTOMATION

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:**
 - Click on "Add."
 - 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)).
 - Click "Review + Create" and then "Create."

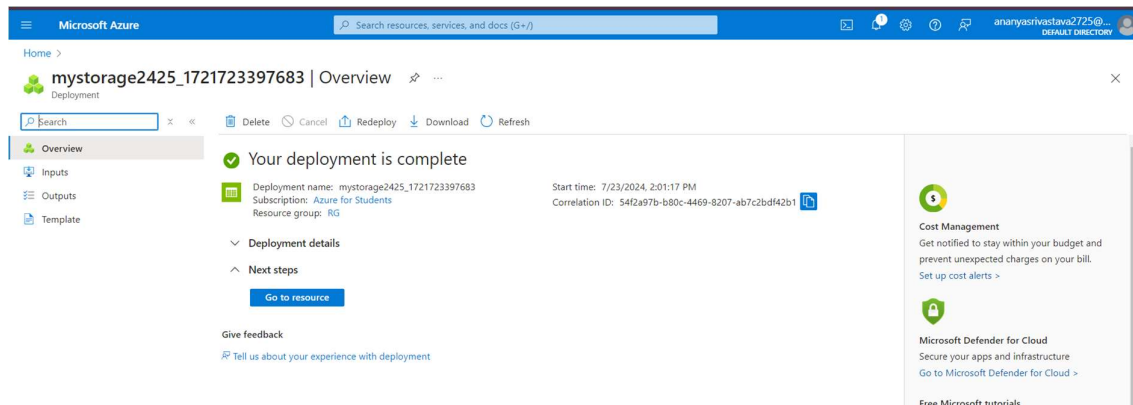
The screenshot shows the 'Review + create' page in the Microsoft Azure portal. The page is titled 'Create a storage account' and has tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. The 'Review + create' tab is selected. Below the tabs, there is a section for 'Basics' with the following details:

Field	Value
Subscription	Azure for Students
Resource group	RG
Location	East US
Storage account name	mystorage2425
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Below the 'Basics' section, there is an 'Advanced' section with the following details:

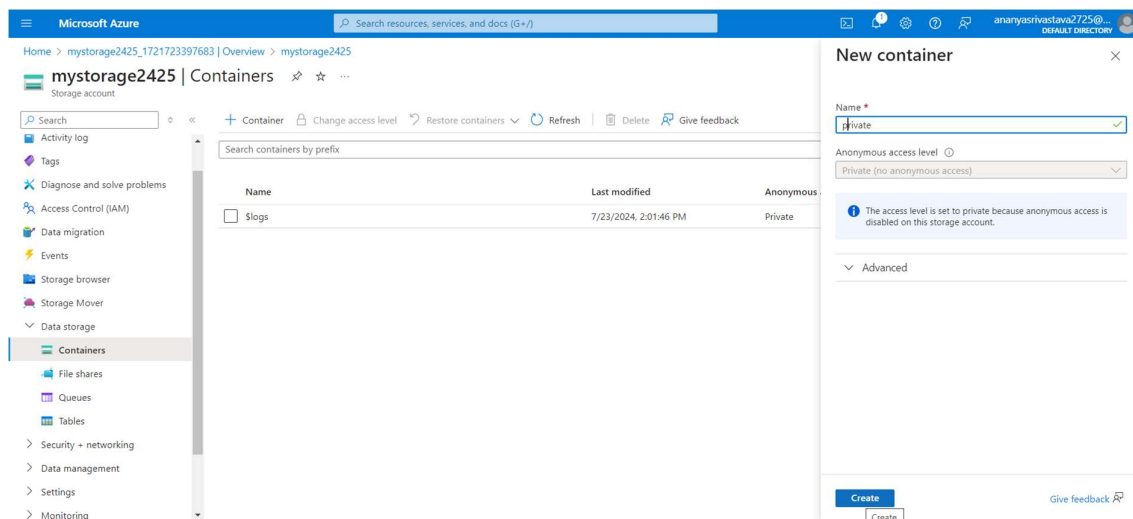
Field	Value
Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot

At the bottom of the page, there are buttons for 'Previous', 'Next', and 'Create'. The 'Create' button is highlighted in blue. There is also a 'Give feedback' link in the bottom right corner.



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:**
 - Under "Blob service" in the left-hand menu, click on "Containers."
 - Click "Add container."
 - Enter a name for the container and set the public access level (e.g., Private).
 - Click "Create."



4. Create a File Share

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

Microsoft Azure | Search resources, services, and docs (G+)

Home > mystorage2425_1721723397683 | Overview > mystorage2425 | File shares >

New file share

Validation passed

Basics Backup **Review + create**

Basics

File share name: fileshare
 Access Tier: TransactionOptimized
 Protocol: SMB

Backup

Vault name: (new) vault-lyy78wdr
 Backup policy: (new) DailyPolicy-lyy78wt3
 Policy details:
 Backup frequency: Daily at 7:30 PM UTC
 Retention of daily backup point: Retain backup taken every day at 7:30 PM for 30 Day(s)

Create < Previous Next > Download a template for automation Give feedback

Microsoft Azure | Search resources, services, and docs (G+)

Home > mystorage2425_1721723397683 | Overview > mystorage2425 | File shares > New file share >

fileshare

SMB File share

Search < > Connect Upload Refresh Add directory Delete share Change tier Edit quota Give feedback

Enable Backup for file share "fileshare" to protect your data. [Learn more](#)

Essentials

Storage account	: mystorage2425	Share URL	: https://mystorage2425.file.core.windows.net/fileshare
Resource group (move)	: RG	Redundancy	: Geo-redundant storage (GRS)
Location	: East US	Configuration modified	: 7/23/2024, 2:46:07 PM
Primary/Secondary locat...	: Primary: East US, Secondary: West US		
Subscription (move)	: Azure for Students		
Subscription ID	: 84e9a260-5ff7-4a17-b61f-33c673272cd4		

Properties Capabilities (2) Tutorials

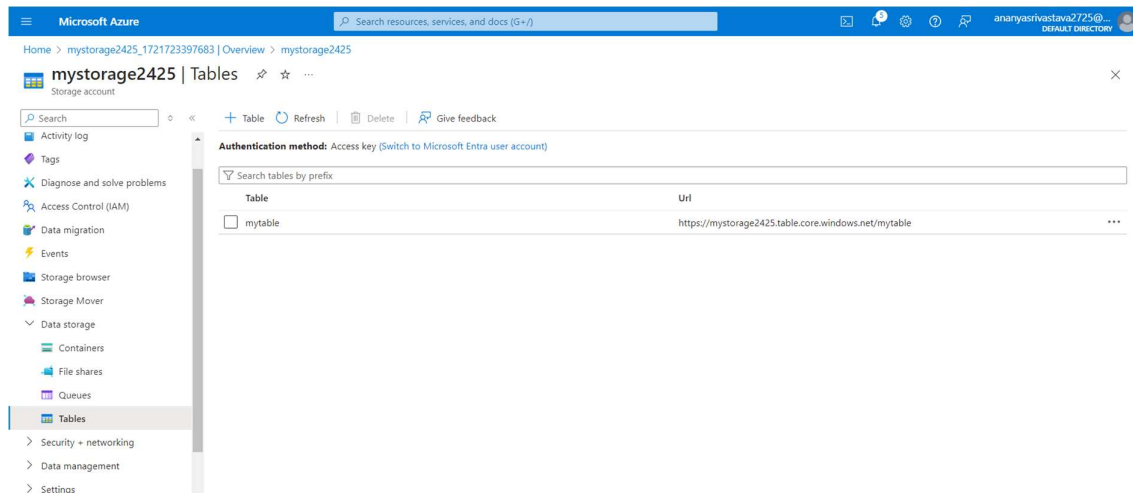
Size		Feature status	
Maximum capacity	100 TiB	Soft delete	7 days
Used capacity	0 B	Large file shares	Enabled
Tier	Transaction optimized		
Performance		Identity-based access	
Maximum IO/s	20000	Directory service	Not configured

Successfully created storage file share
 Successfully created storage file share "fileshare".

5. Create a Table

1. Navigate to Tables:

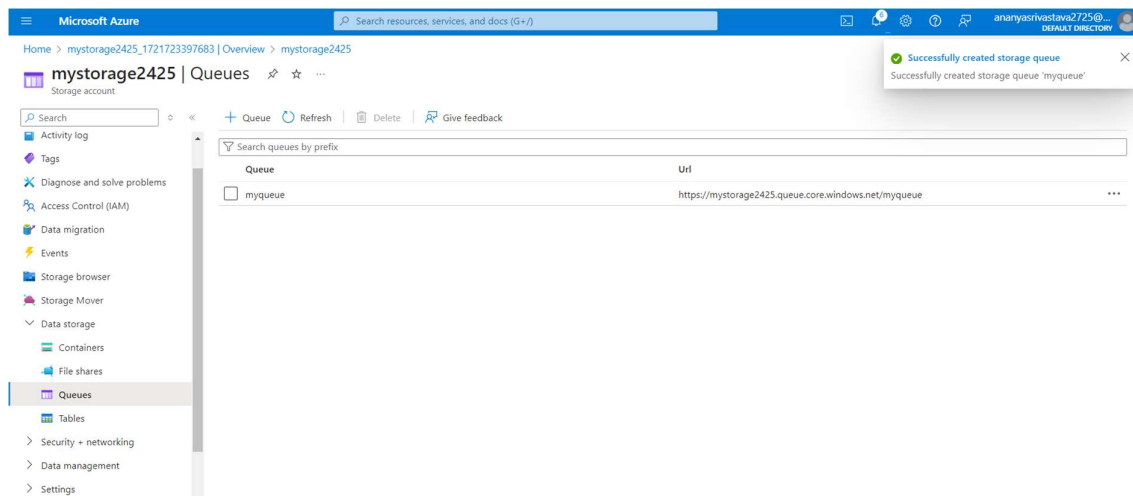
- Under "Table service" in the left-hand menu, click on "Tables."
- Click "Add table."
- Enter a name for the table.
- Click "OK."



6. Create a Queue

1. Navigate to Queues:

- Under "Queue service" in the left-hand menu, click on "Queues."
- Click "Add queue."
- Enter a name for the queue.
- 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/en-us/azure/?product=popular) - <https://learn.microsoft.com/en-us/azure/?product=popular>
- [Azure Storage Documentation](https://learn.microsoft.com/en-us/azure/storage/) - <https://learn.microsoft.com/en-us/azure/storage/>