ASSIGNMENT - 11

AUTOMATION

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

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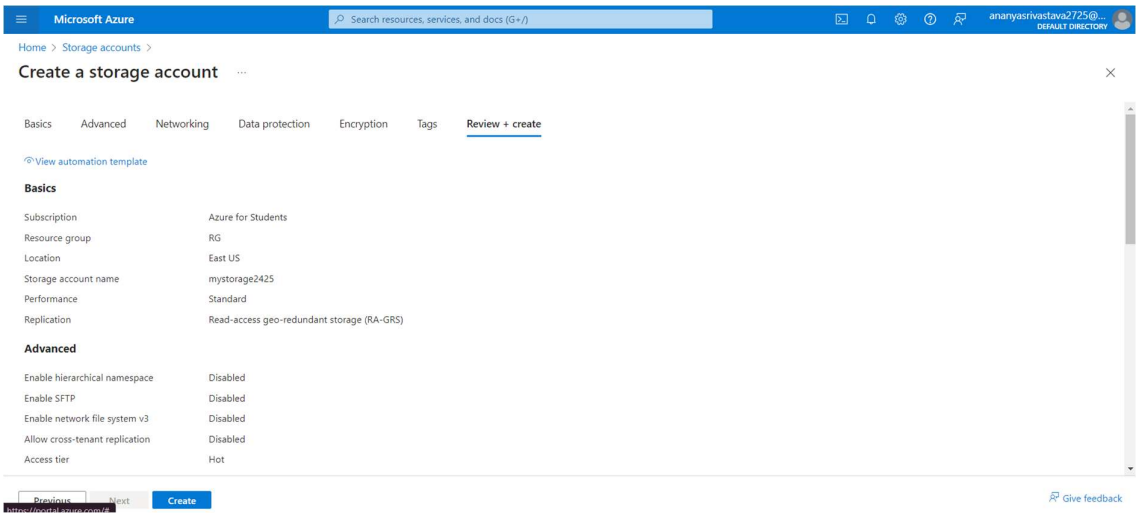
1. Introduction

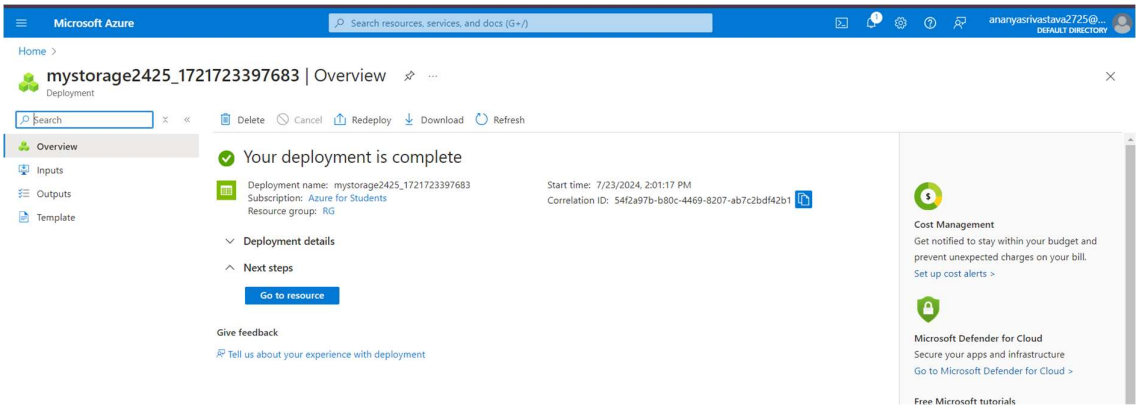
This document provides a step-by-step guide on creating a Storage Account in Microsoft Azure and configuring various storage services including Blob service, File Share, Table, and Queue. Azure Storage is a scalable cloud storage solution that provides highly available, secure, and durable storage for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

2. Creating a Storage Account

1. Create a Storage Account

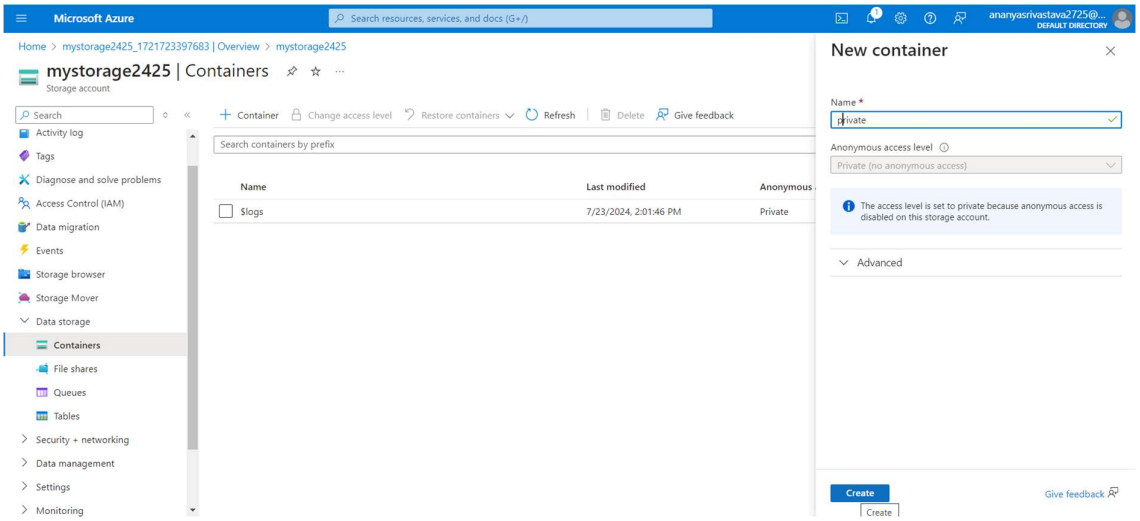
1. **Open Azure Portal**: Go to the Azure Portal.
2. **Navigate to Storage Accounts**: In the left-hand menu, click on "Storage accounts."
3. **Create a New Storage Account**:
    - Click on "Add."
    - Fill in the required fields:
        - **Subscription**: Select your subscription.
        - **Resource 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."





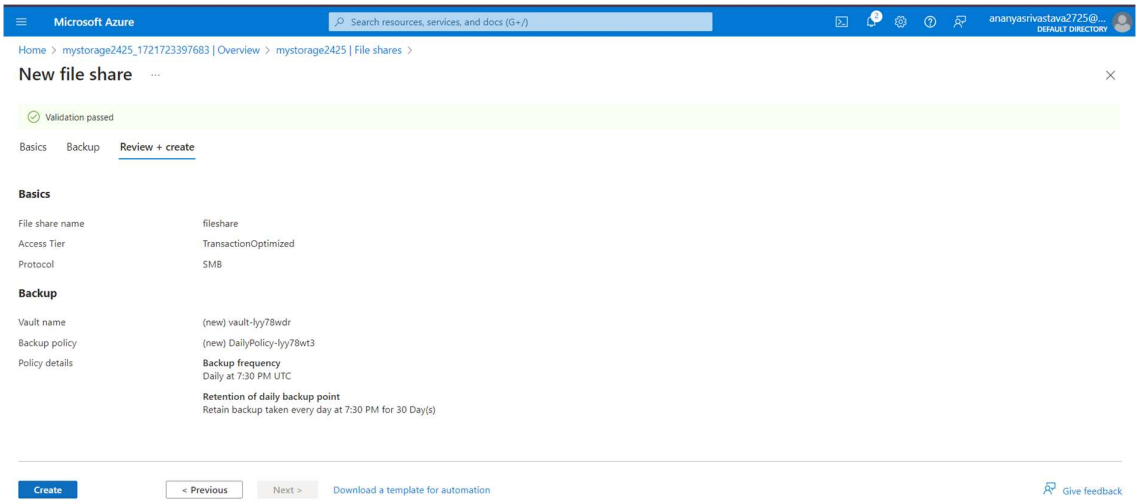
3. Create a Blob Service

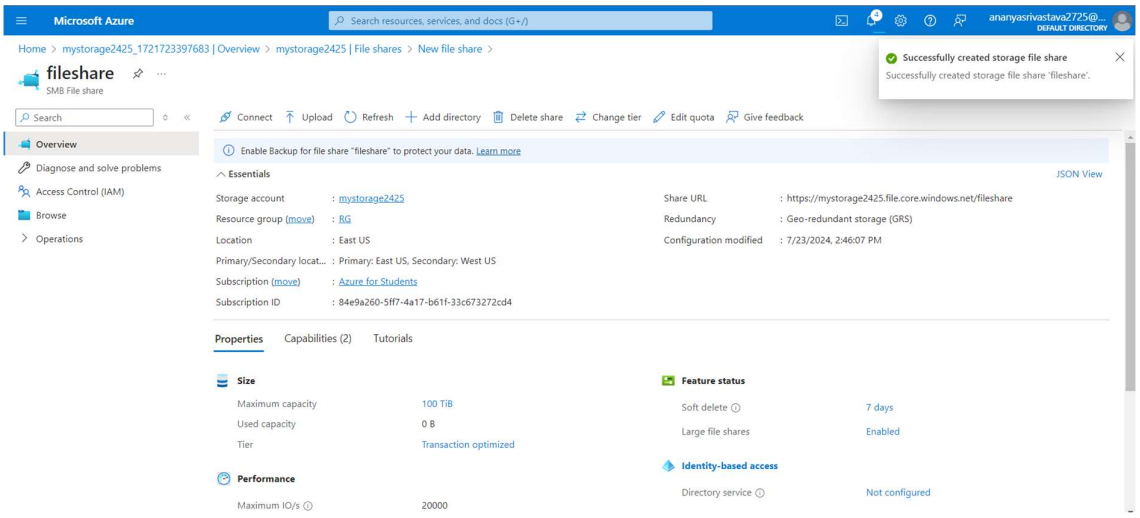
1. **Navigate to Your Storage Account**: In the Azure Portal, go to "Storage accounts" and select the storage account you just created.
2. **Create a Blob Container**:
    - Under "Blob service" in the left-hand menu, click on "Containers."
    - Click "Add container."
    - Enter a name for the container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



4. Create a File Share

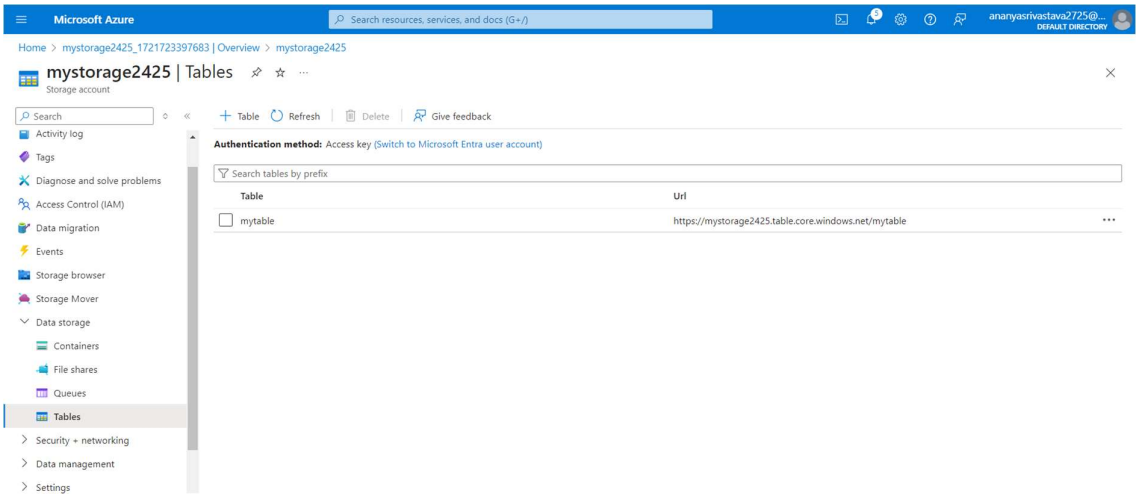
1. **Navigate to File Shares**:
    - Under "File service" in the left-hand menu, click on "File shares."
    - Click "Add file share."
    - Enter a name for the file share and set the quota (optional).
    - Click "Create."





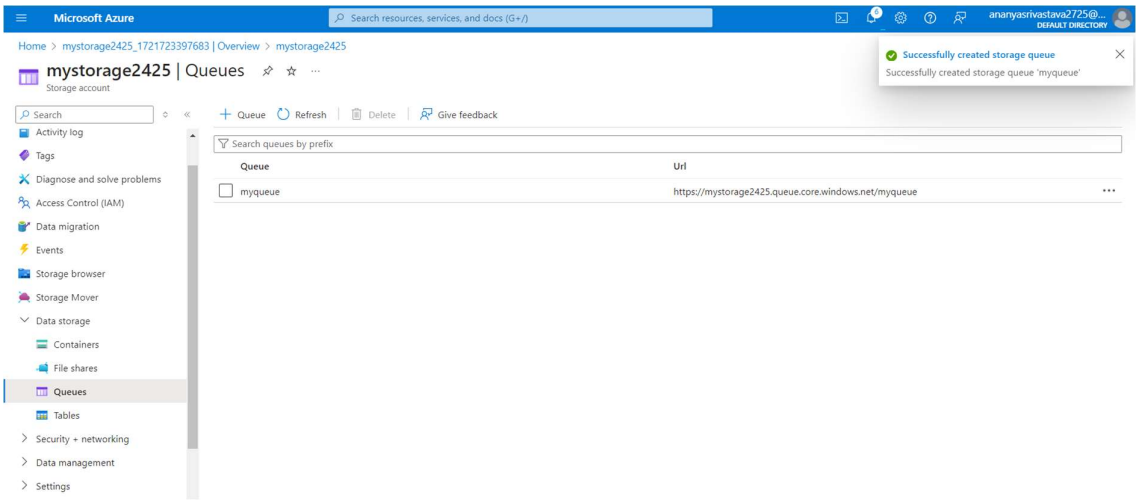
5. Create a Table

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
- Azure Storage Documentation - https://learn.microsoft.com/en-us/azure/storage/