Lab 3

CST8912\_011

Romeo De Guzman

degu0055

February 01, 2025

Submitted to:

Prof. Tanishq Bansal

# **Lab Report Format**

#### Title

Managing Azure Storage Account and Blob Lifecycle

## **Introduction or Purpose**

This lab is intended to teach how to configure a Storage account. After all the configuration, the uploaded file can be access through Blob SAS URL.

## Steps covered in the lab

Create a Storage Account

- Create a storage account named labtest8912 under the student subscription and resource group CST8912-demo.
- Set the region to Canada Central and choose Geo Redundant Storage (GRS).
- Keep the **networking** and **data protection** options as default.

## Change Redundancy and Blob Access Tier

- In the storage account, go to **Data Management > Redundancy** and change redundancy to **Local Redundant Storage (LRS)**.
- Under Settings > Configuration, set the Blob Access Tier to Cool and save changes.

## Create a Container and Upload a Blob

- Navigate to Data Storage > Containers, create a new container named labtestcontainer8912.
- Upload a blob into a folder named sampletest8912 using files from the shared lab sample links.
- While uploading, change the Access Tier to Hot in advanced settings.

## Test Blob URL Access

- Click the uploaded file in the container and copy its Blob URL.
- Open the Blob URL in a private browser window. The URL should not work as the container's public access is set to private.

### Generate SAS Token for Access

- In the file's blade, click Generate SAS, copy the SAS Token, and paste the Blob SAS URL into a private browser window.
- You should now be able to view the file.

## Create a Lifecycle Management Rule

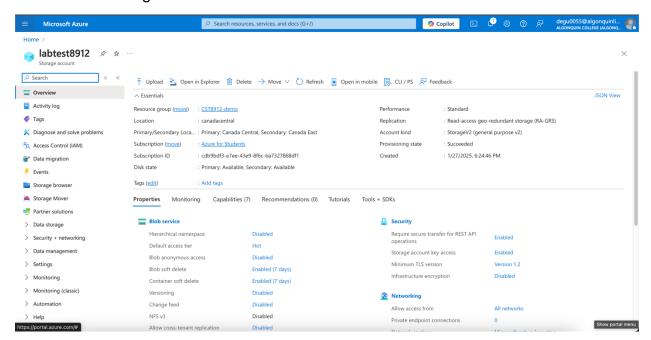
- In the container blade, go to Data Management > Lifecycle Management.
- Create a new rule named myrule8912.
- Set the rule scope to "limit blobs with filters," and use the default blob type and subtype.
- Add a condition: If base blobs were last modified more than 15 days ago, move them to Cool Storage.

## Cleanup and Report

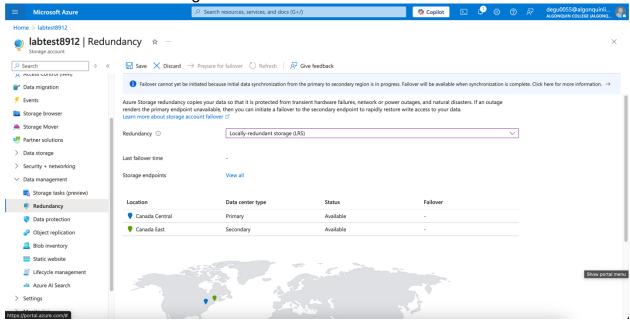
Delete all resources created during the lab.

#### Results

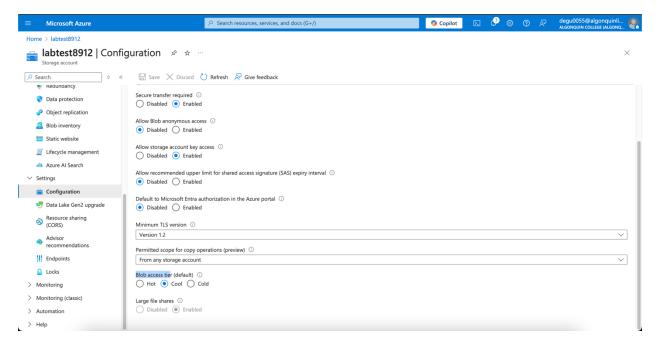
1 - Create a Storage Account



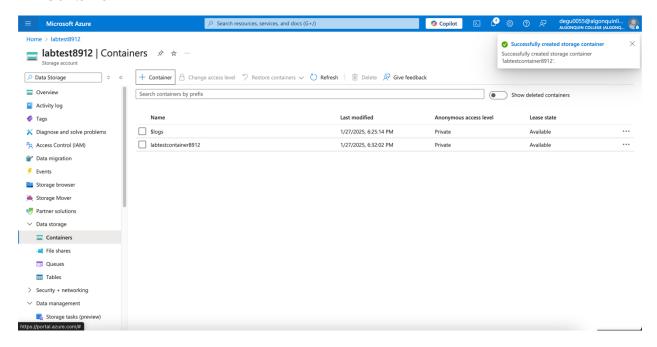
2 - Local Redundant Storage



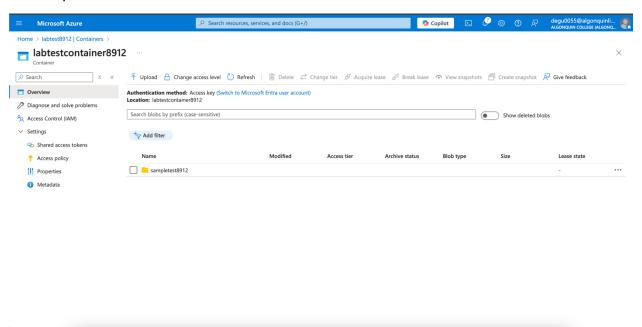
### 3 - Blob Access Tier



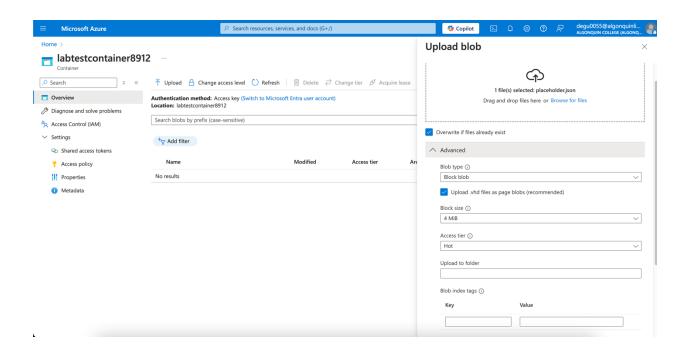
## 4 - Container

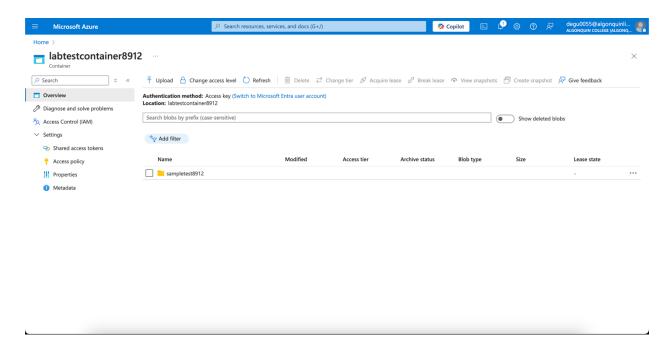


# 5 - sampletest8912 folder

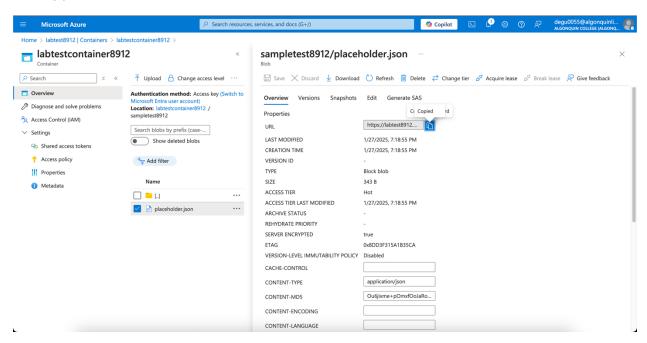


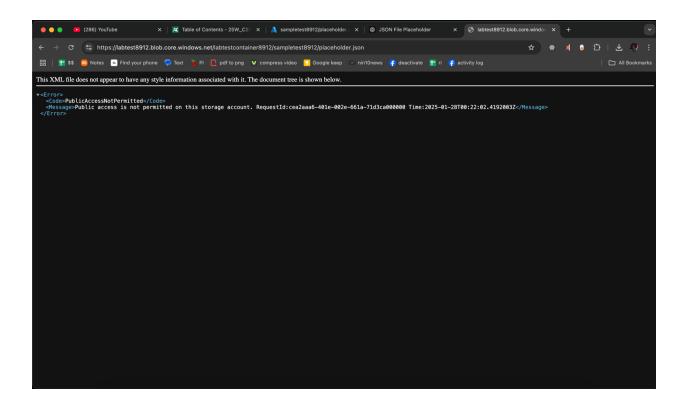
## 6 - Blob



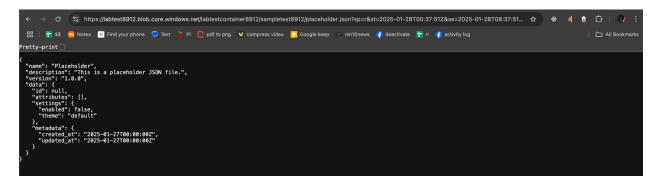


## 7 - Blob link

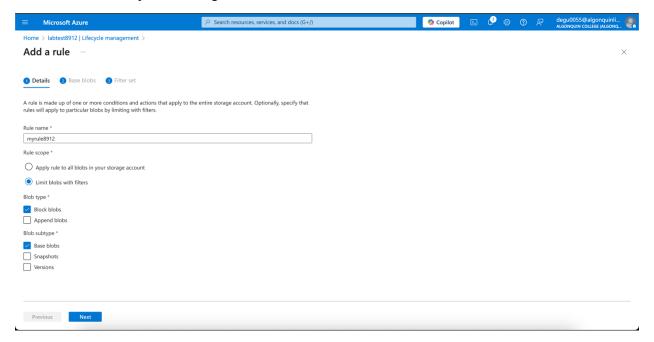


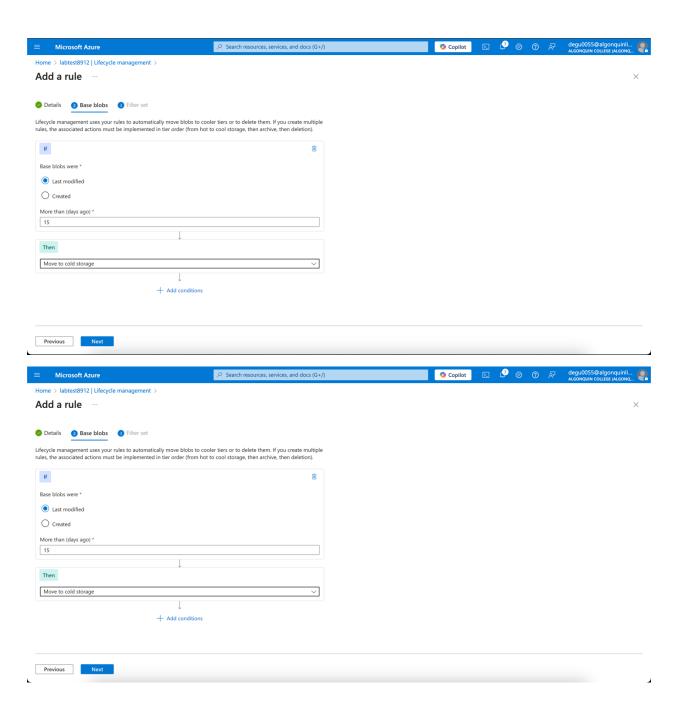


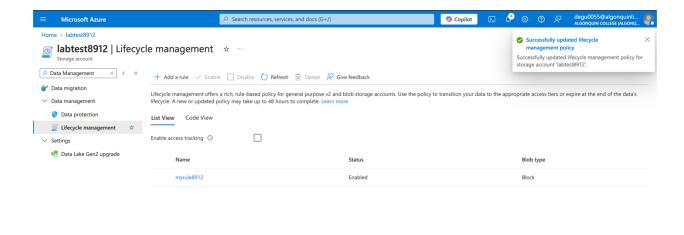
## 8 - Generate SAS Token for Access



# 9 - Create a Lifecycle Management Rule







## 9 - Delete all resources

