Module 3: Assignment - 1

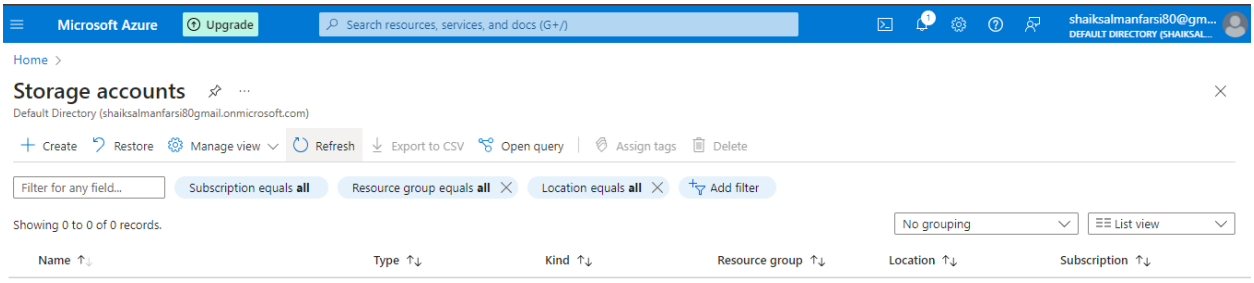
Azure 104 Certification Course

IntelliPaat

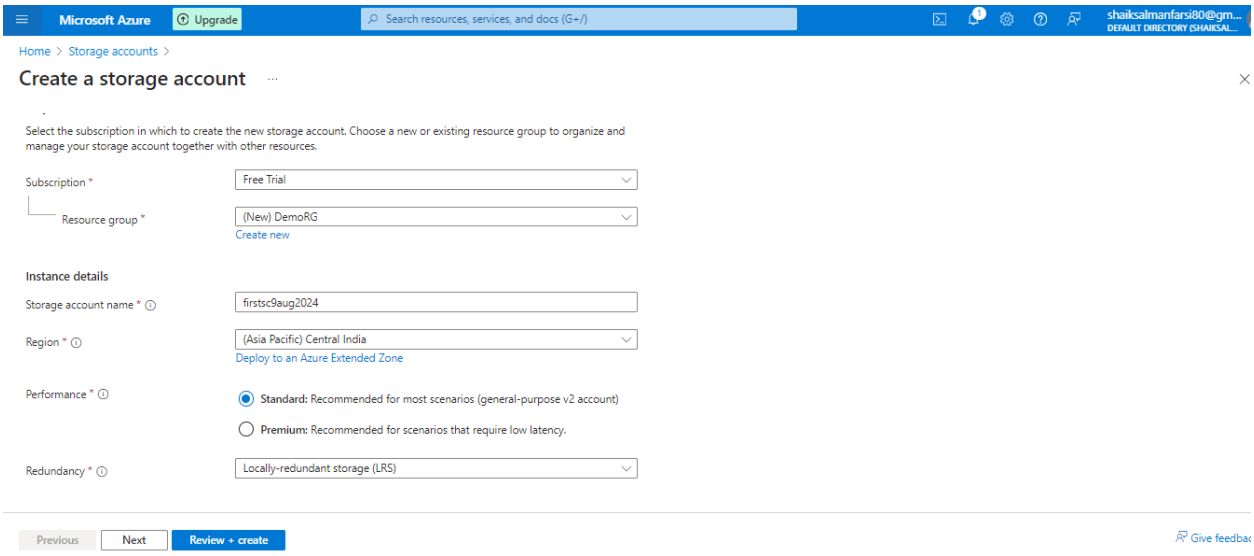
Tasks To Be Performed:

1. Create a storage account
2. Connect storage explorer to this storage account

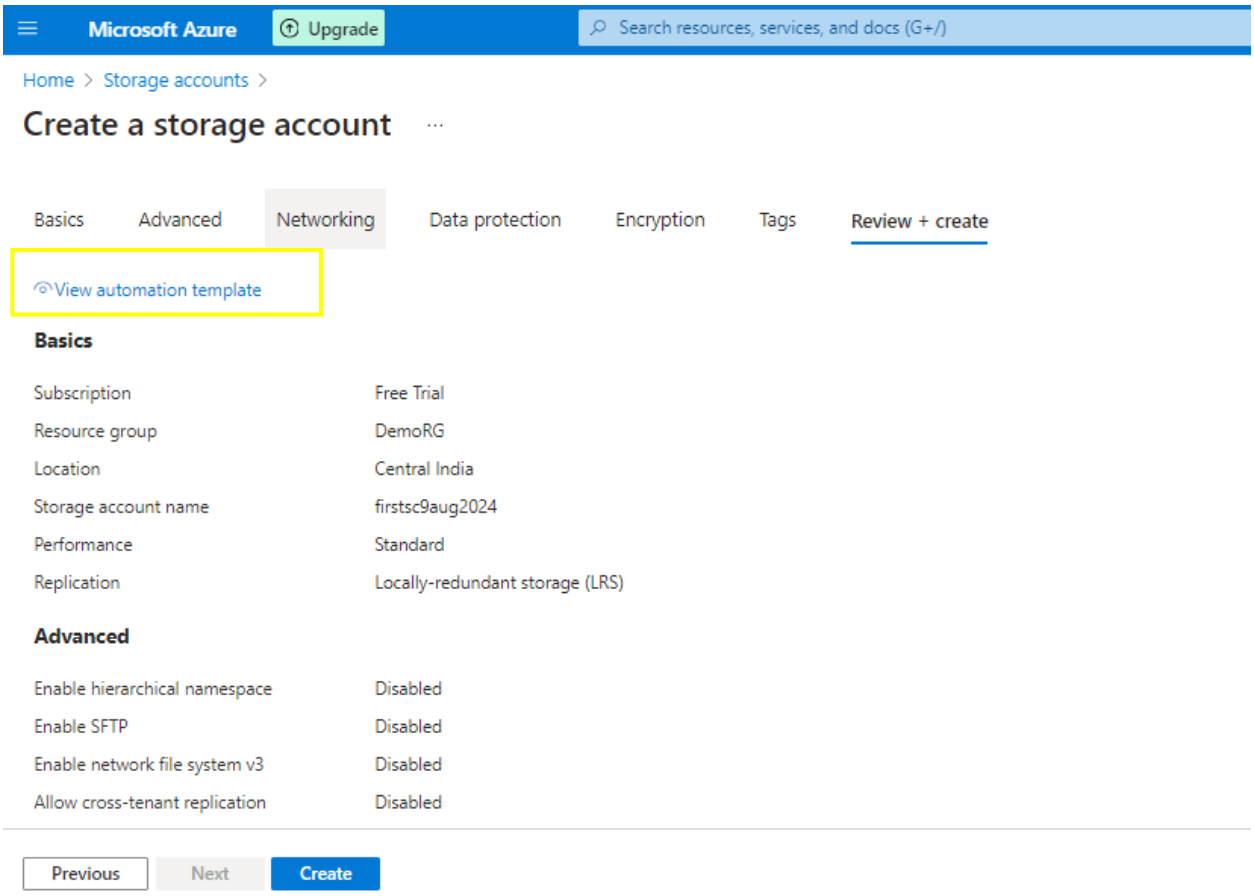
Search> Storage Account > Click on Create



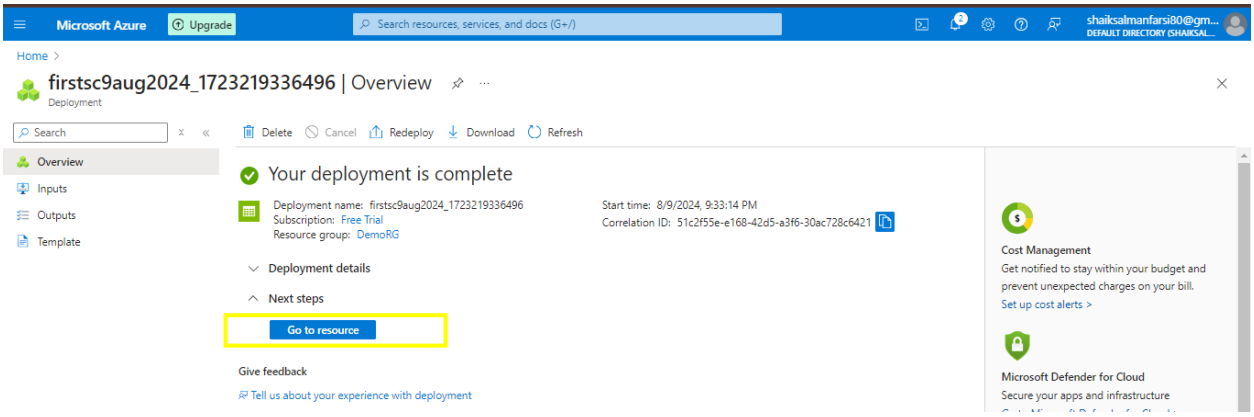
Configure it and Review + Create



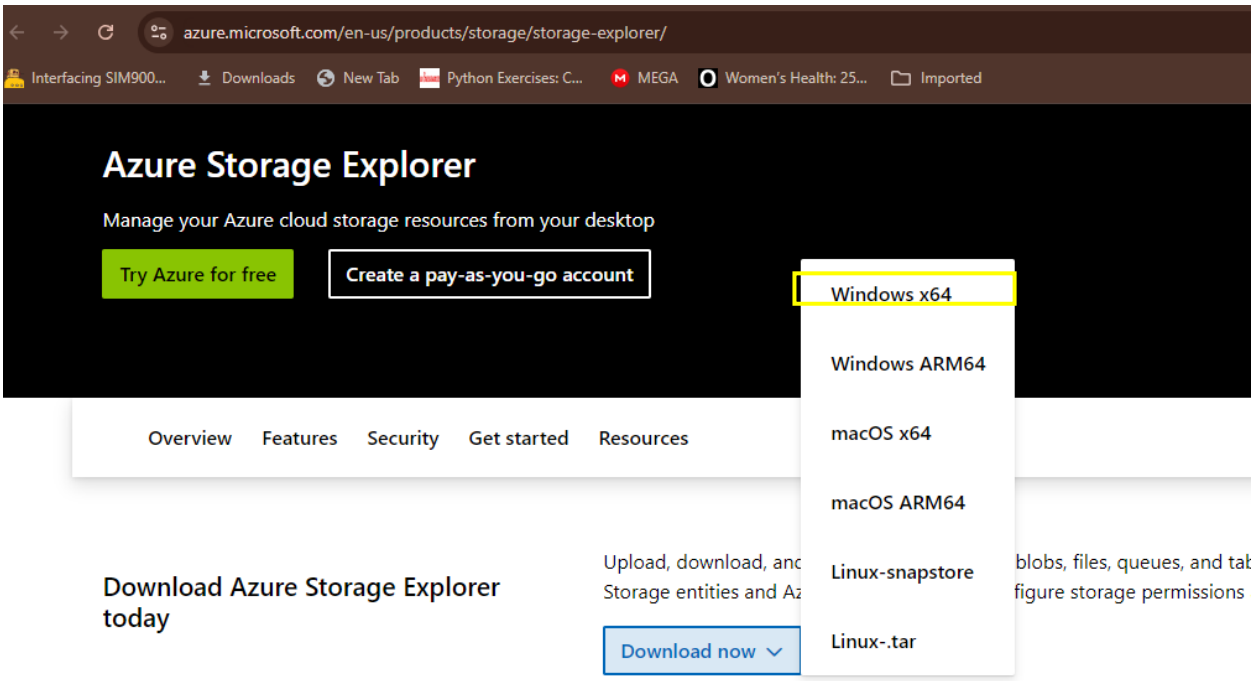
One’s Everything is fine then click create



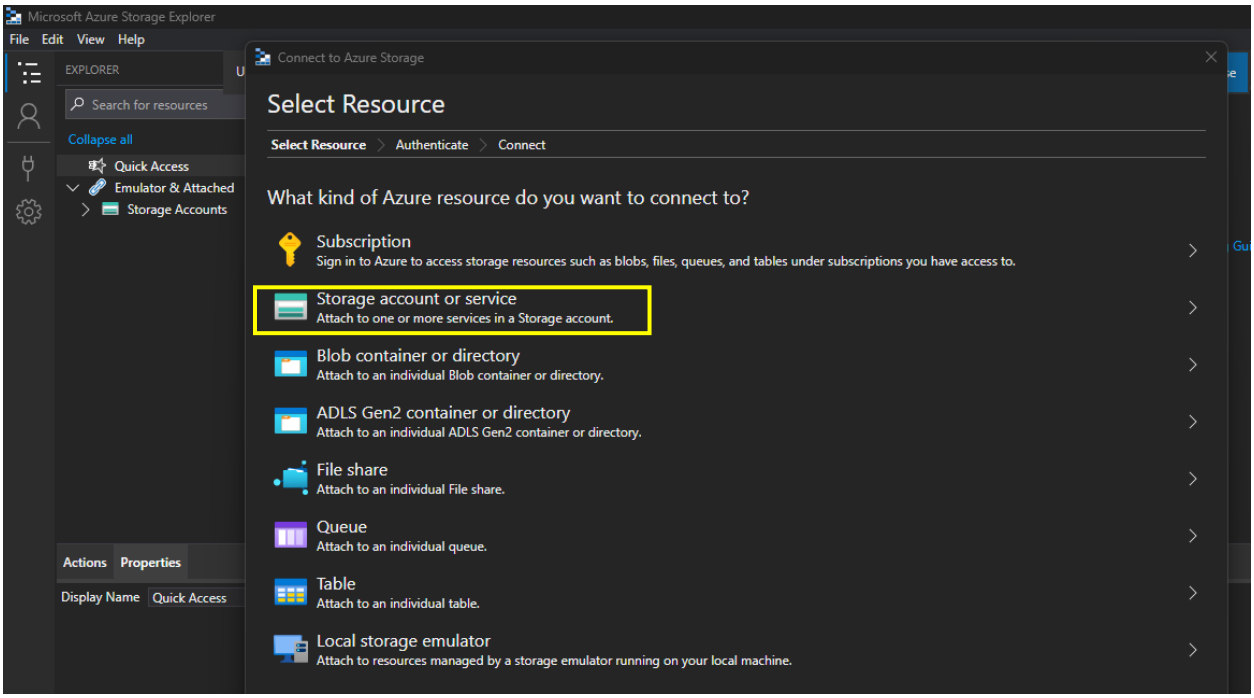
Once Deployment done and Now need to download Microsoft azure storage explorer



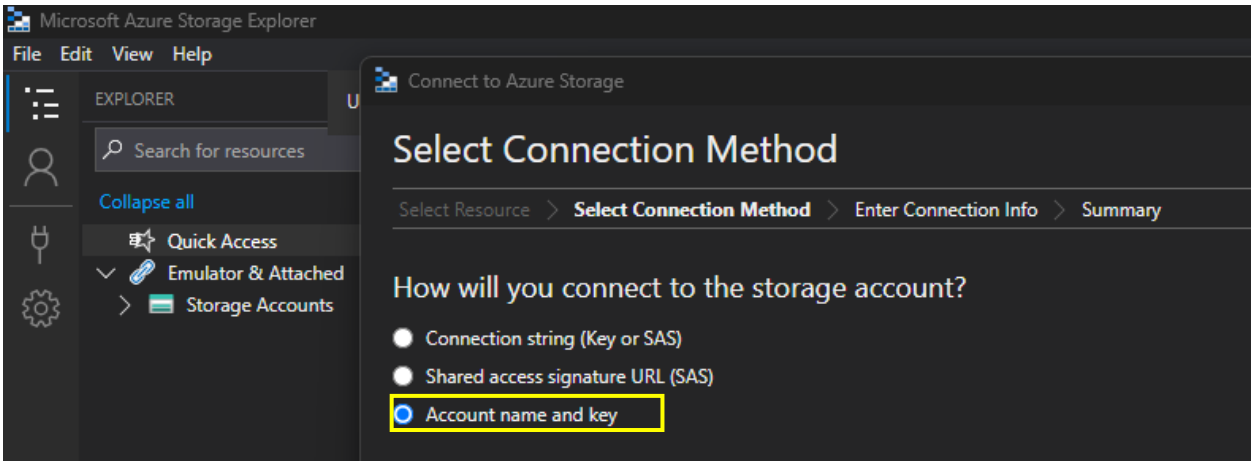
Go to browser search Microsoft azure storage explorer click the link and Download it



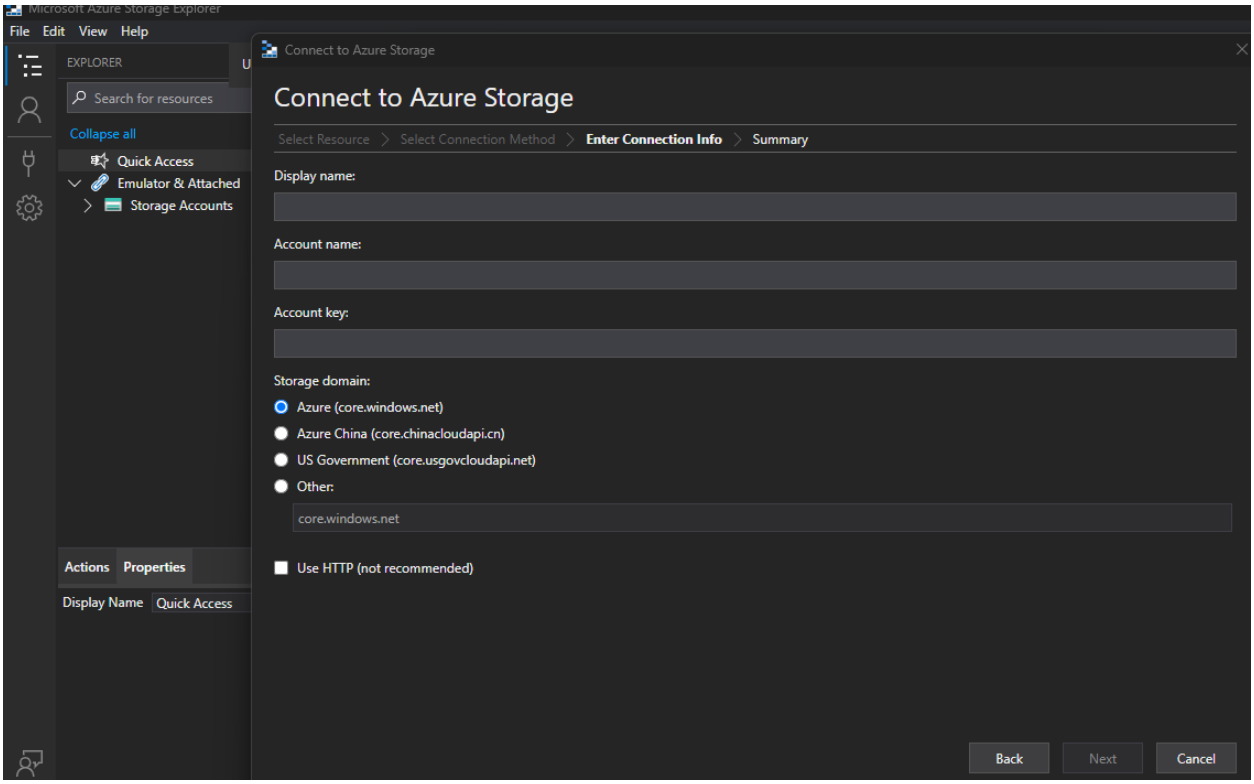
Click Storage Account or service



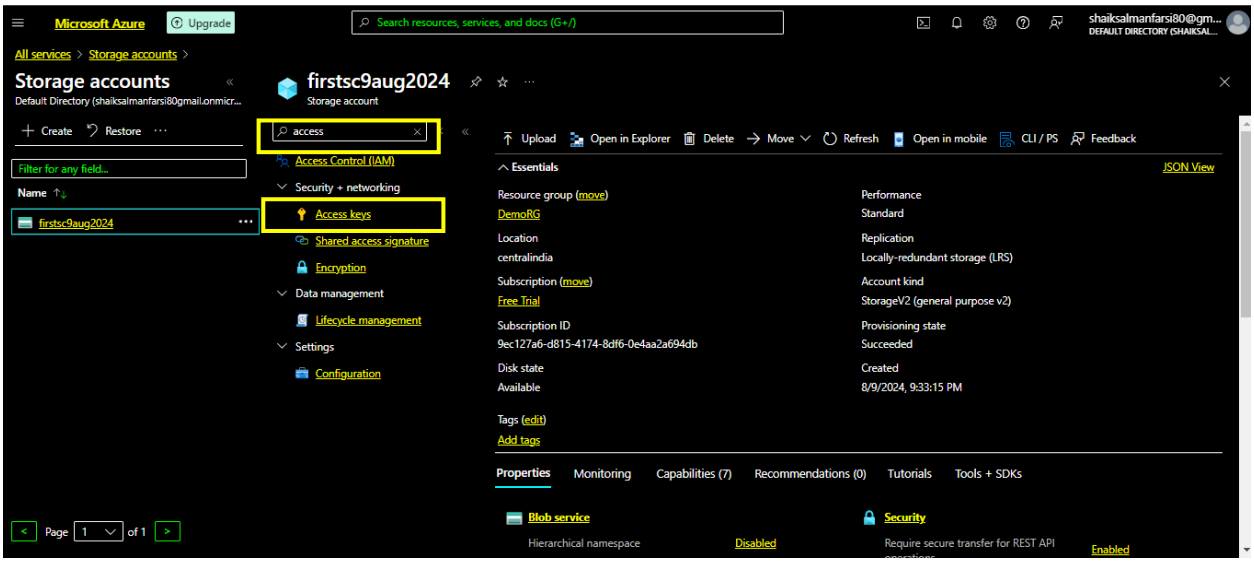
Select account name and key to connect



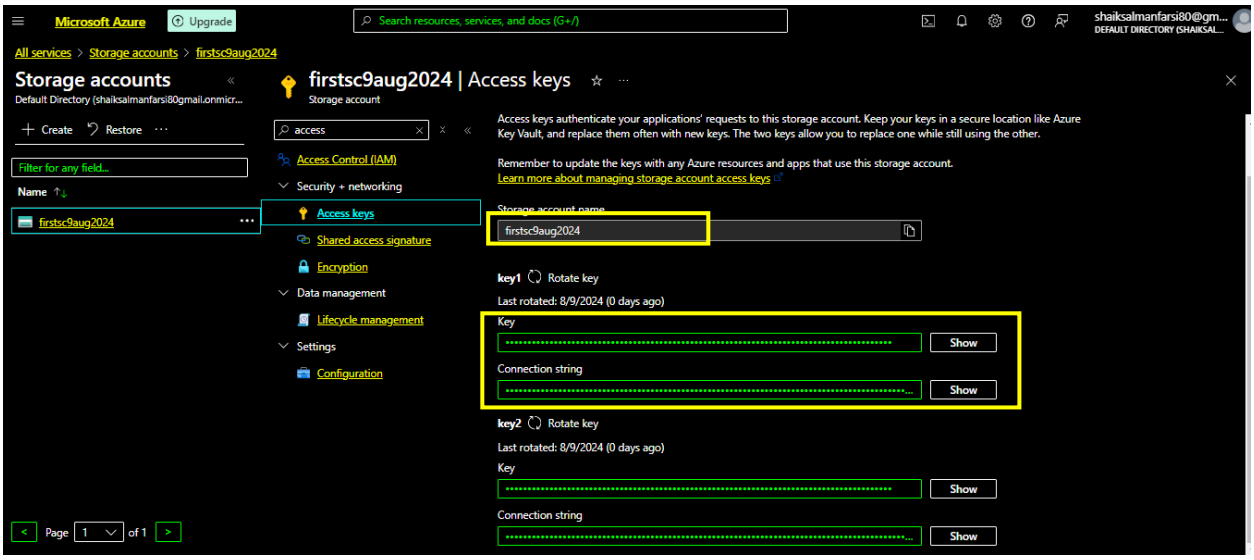
Go to Storage Account



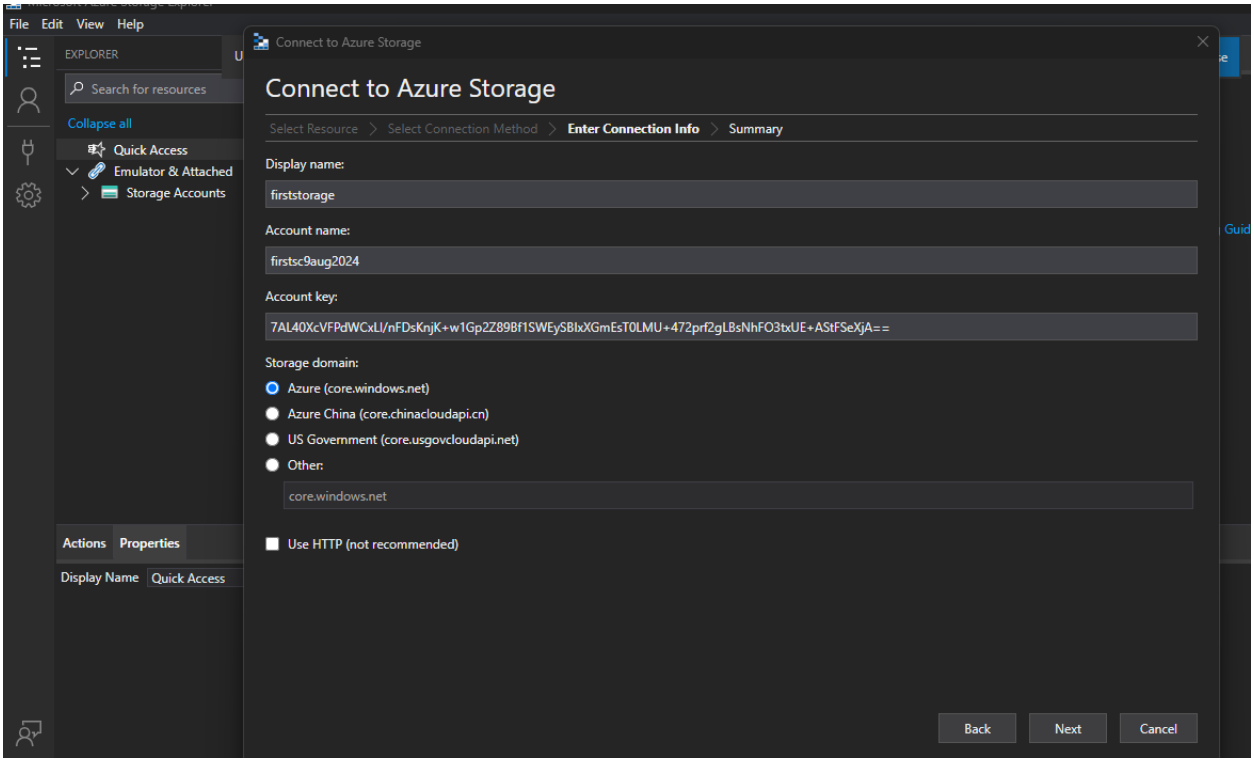
Go to Storage Account and Select which u want to connect with explorer and type access keys



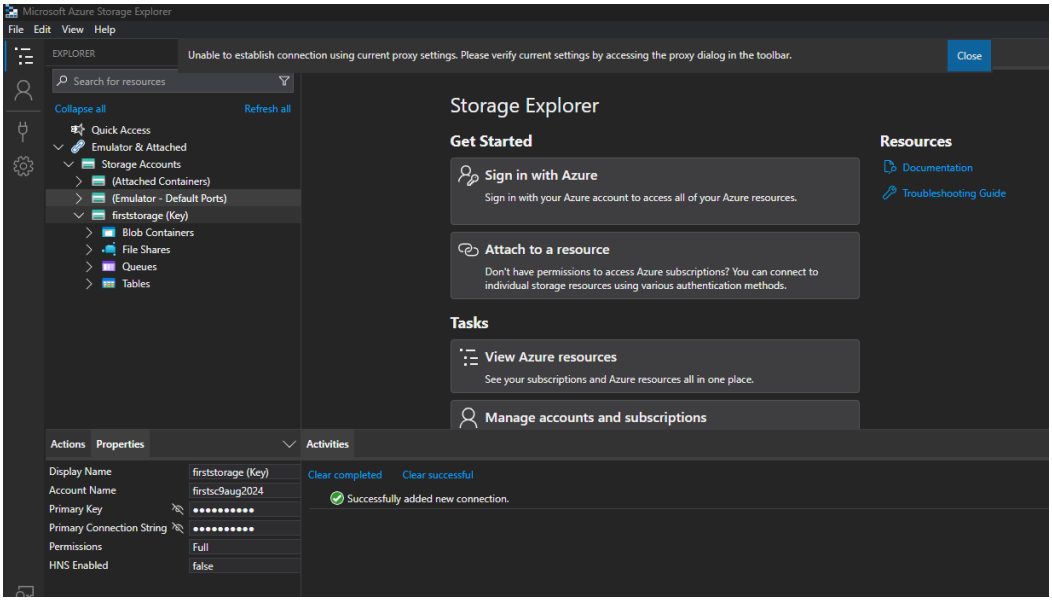
And copy



Paste and click next and connect



Now connect 1st Assignment completed



Module 3: Assignment - 2

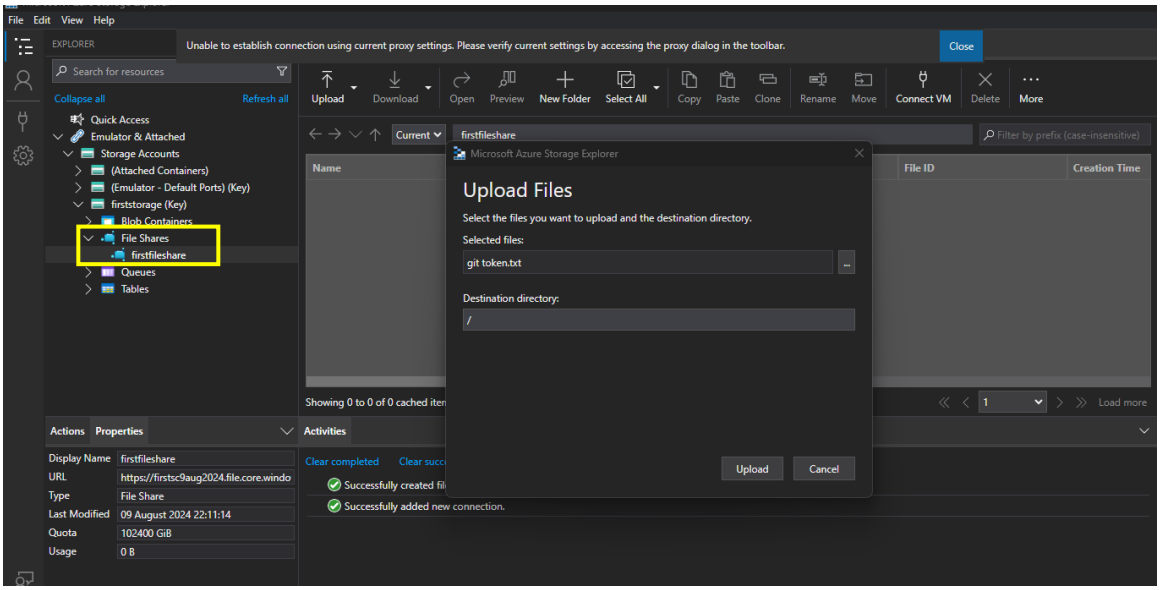
Azure 104 Certification Course

Tasks To Be Performed:

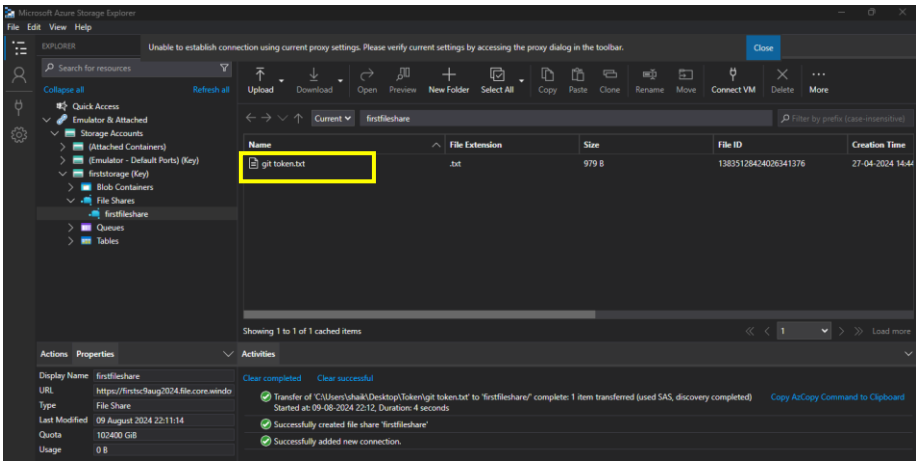
Do the following using the Storage explorer:

1. Create a file share using the Storage explorer
2. Upload files to the blob service
3. Create an Azure Table and insert a record

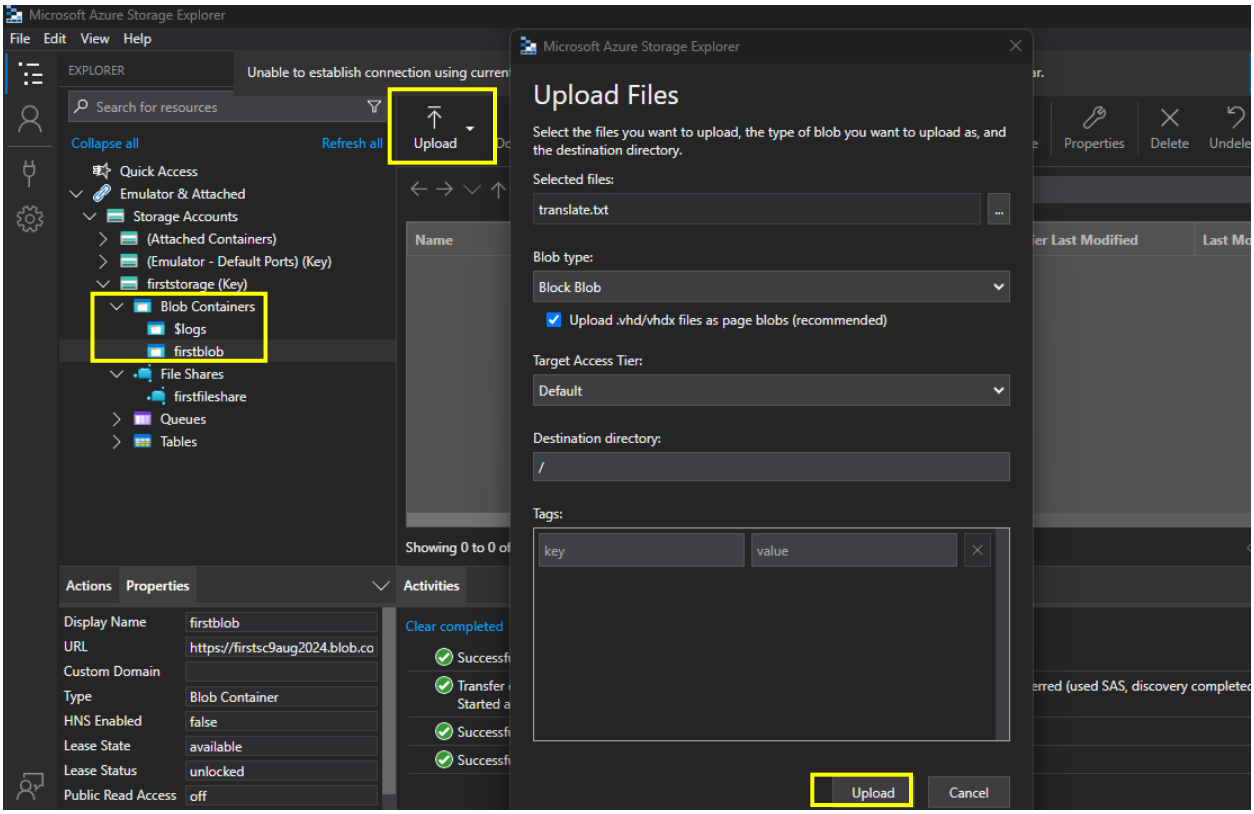
Click fileshares and right click create it and u will get upload option and upload it



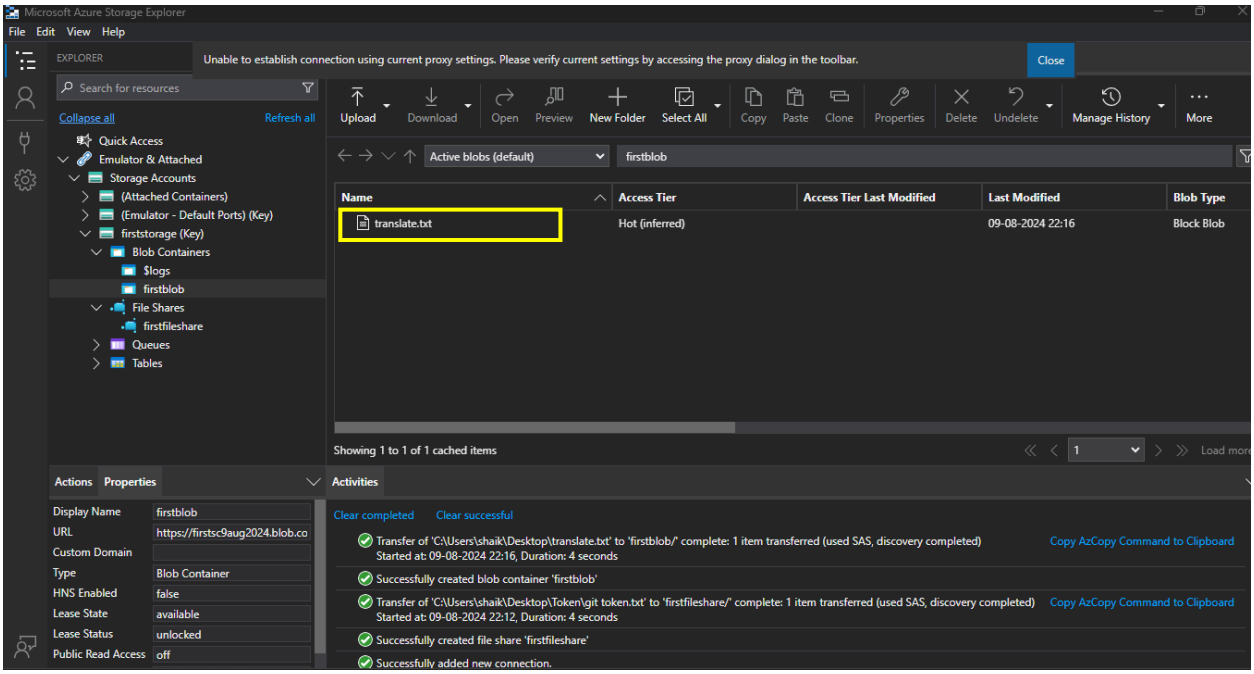
I uploaded a text file from local machine



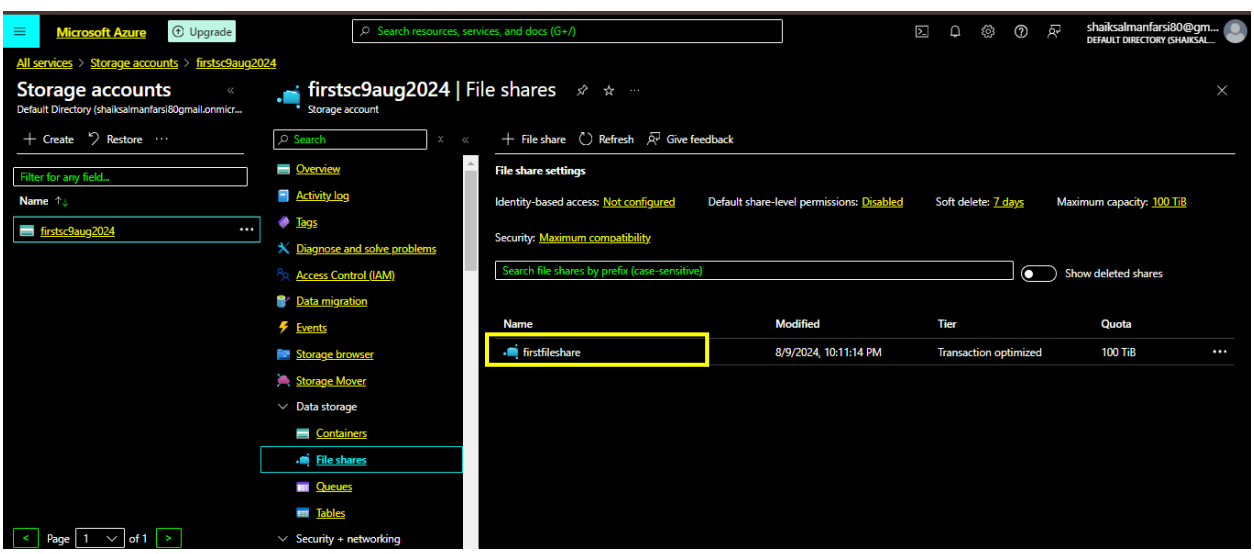
Now Creating Blob Container select and right click and create it, and upload a file



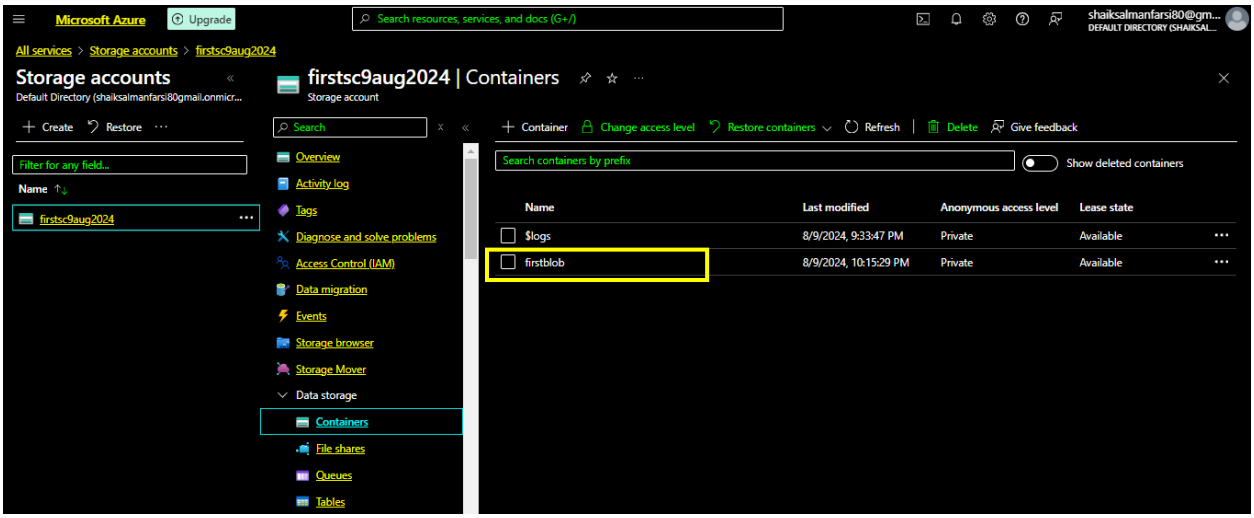
Uploaded successfully



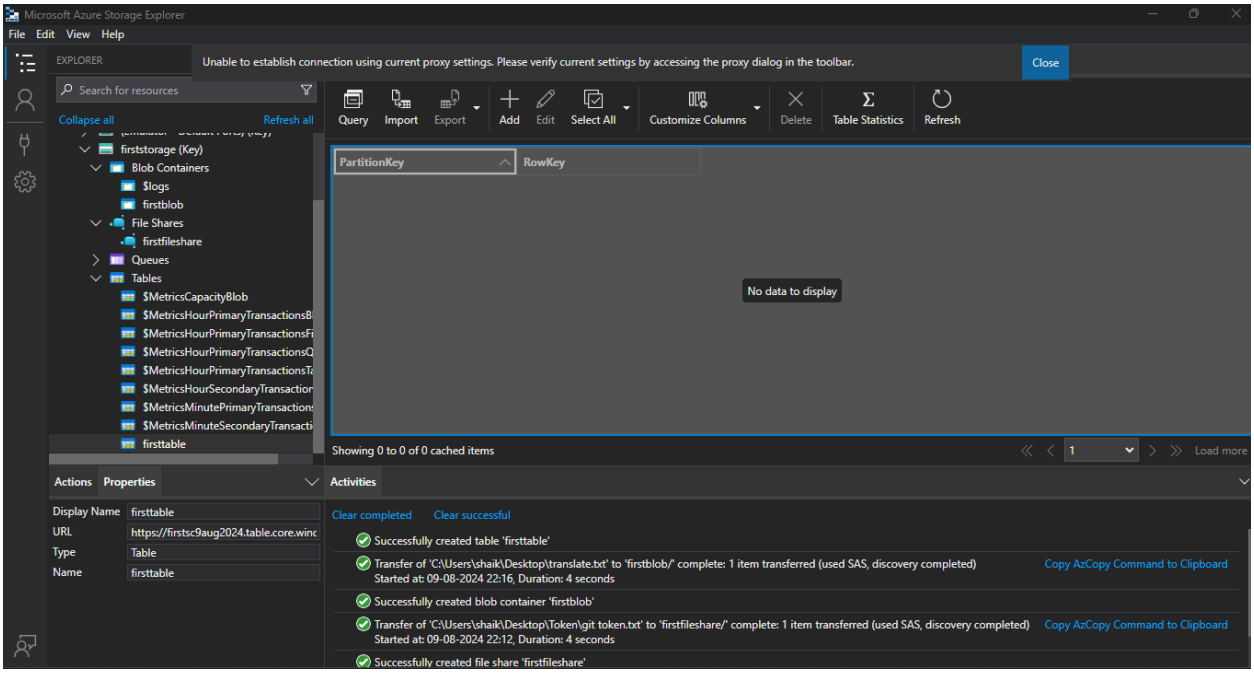
Come to storage account and we can see the file shares > firstfileshare which we created on azure file explorer



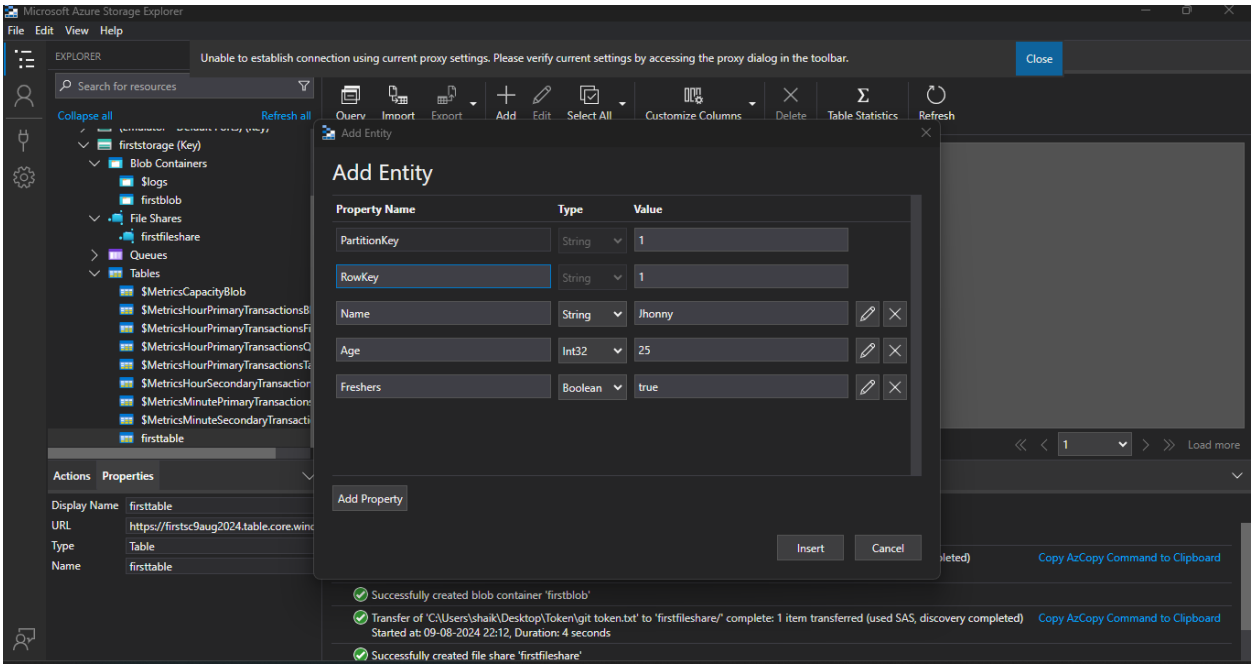
Same as it is containers, which we created blob container on azure explorer



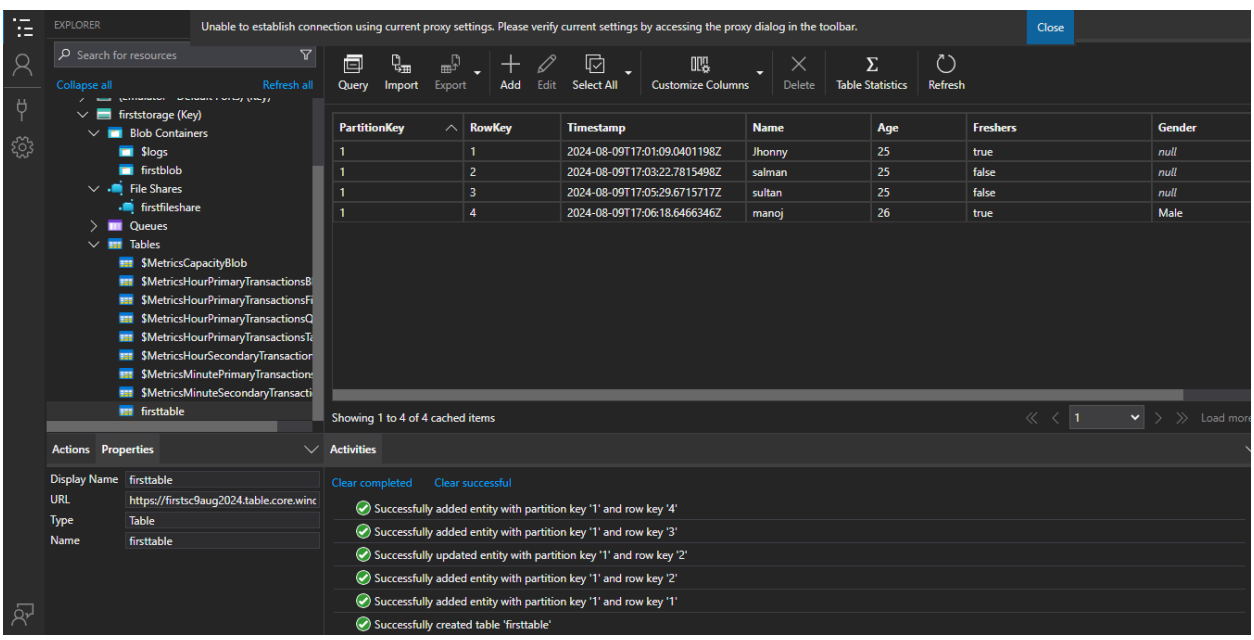
Now come again, Azure Explorer and Now Creating a table which I name firsttable



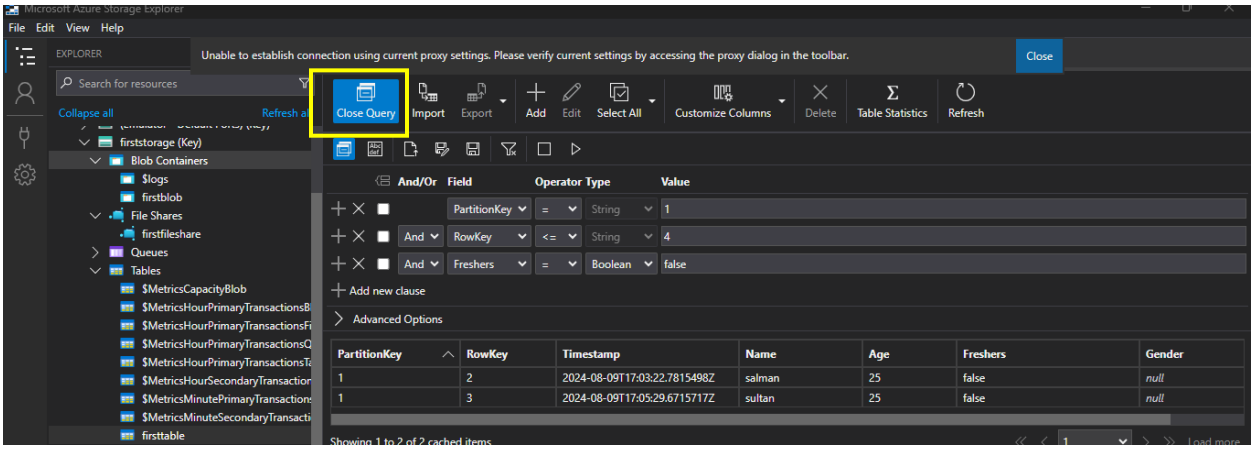
Like Adding Entities



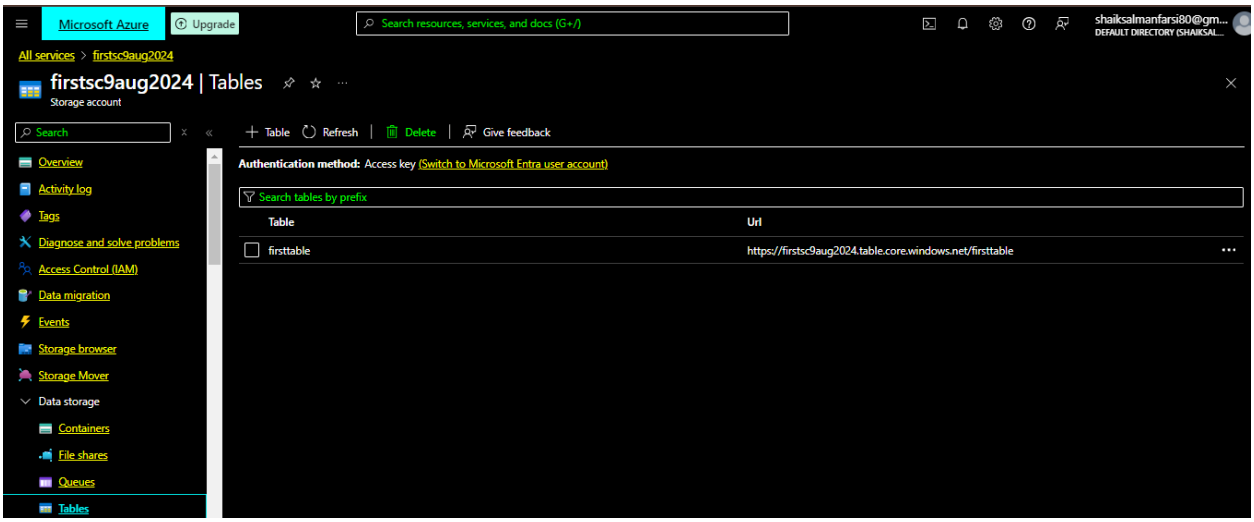
Added 4 entities



Applying query with 2 and conditions rowkey <= 4 and freshers = false then its shown exact results



And we can see on this table on Azure Portal account, Now the 2nd Assignment also completed



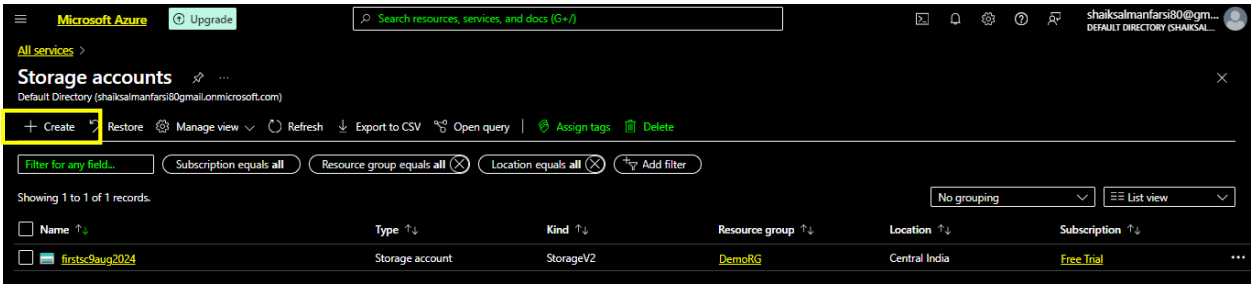
Module 3: Assignment - 3

Azure 104 Certification Course

Tasks To Be Performed:

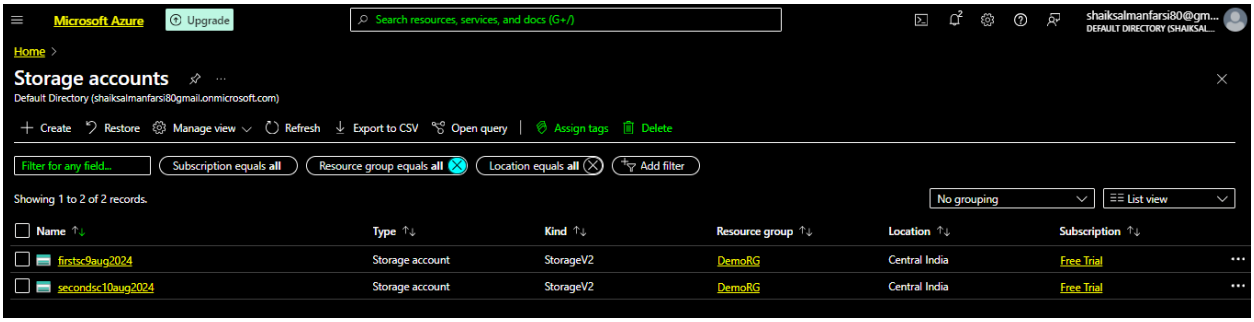
1. Create two storage accounts and create a container inside it
2. Upload some data to the first Blob service
3. Using Data Factory copy data to the second storage service's container

We Have Already One Storage Account and inserted data now want create 2nd storage account and create data factory and copy it to 1st storage to 2nd storage account.



Creating 2nd storage account review + create

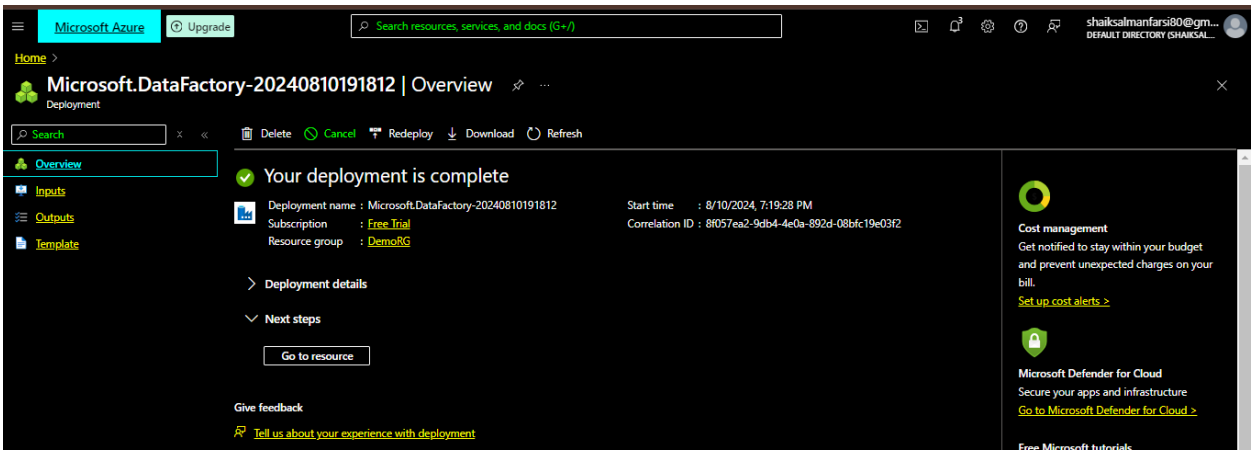
Now we have 2 storage accounts



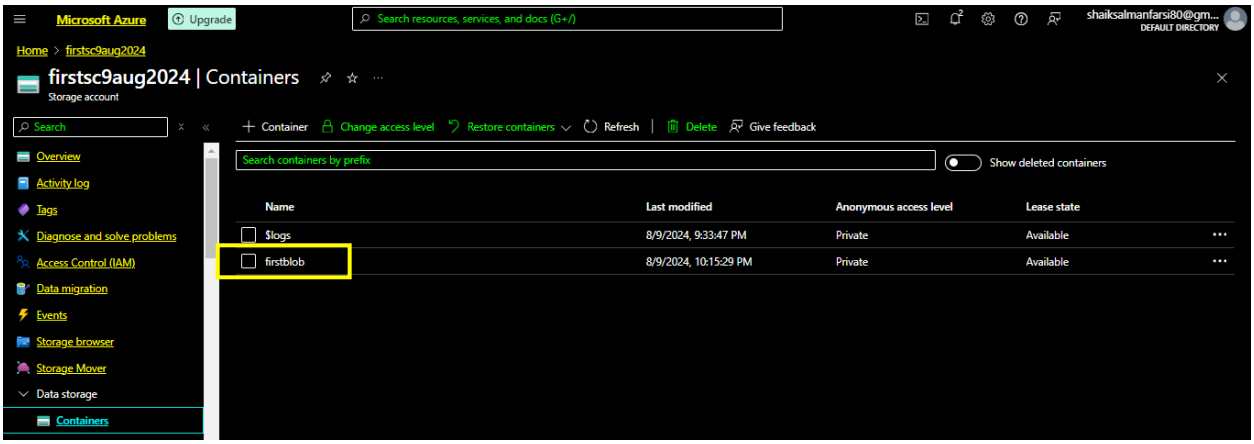
Create data factories

Fill Basic Details and review + create

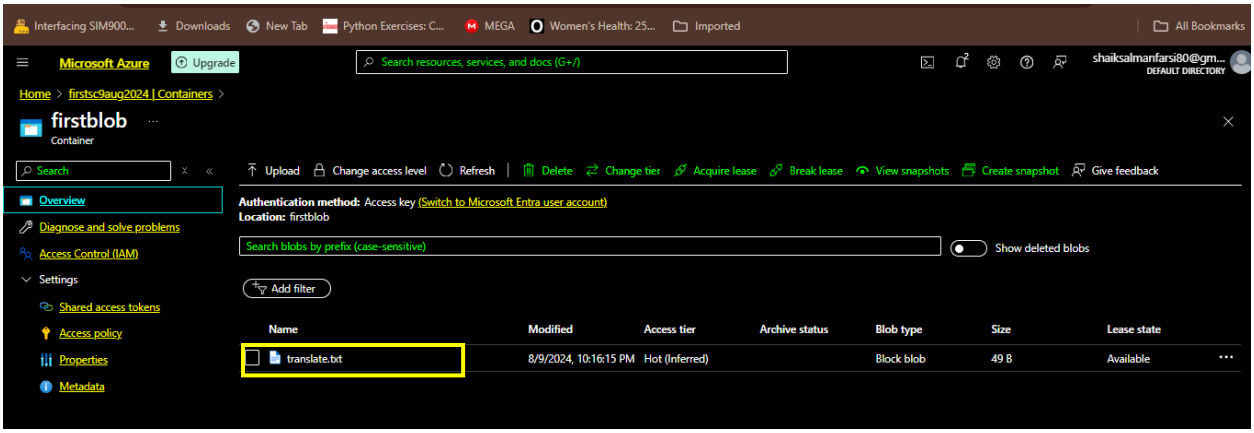
Successfully created



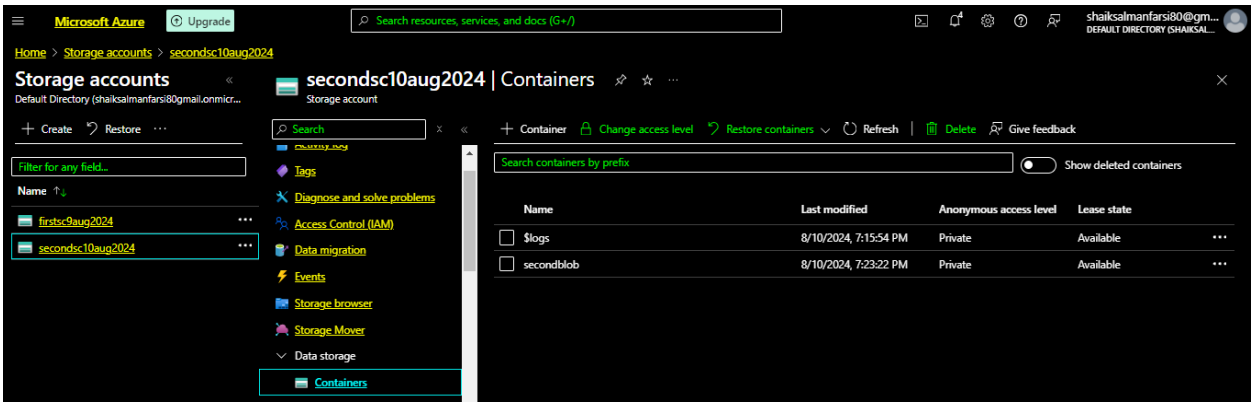
This is first storage account and click on firstblob(Container)



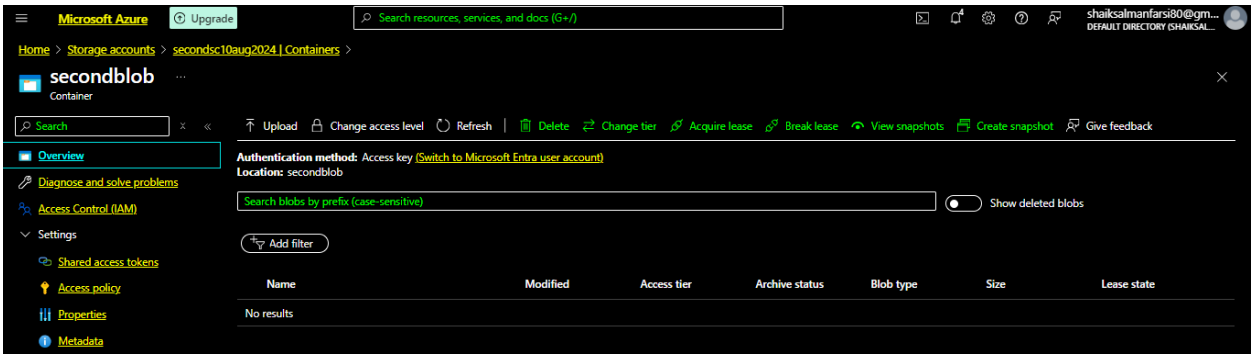
We can see the translate.txt file on first storage account in the container



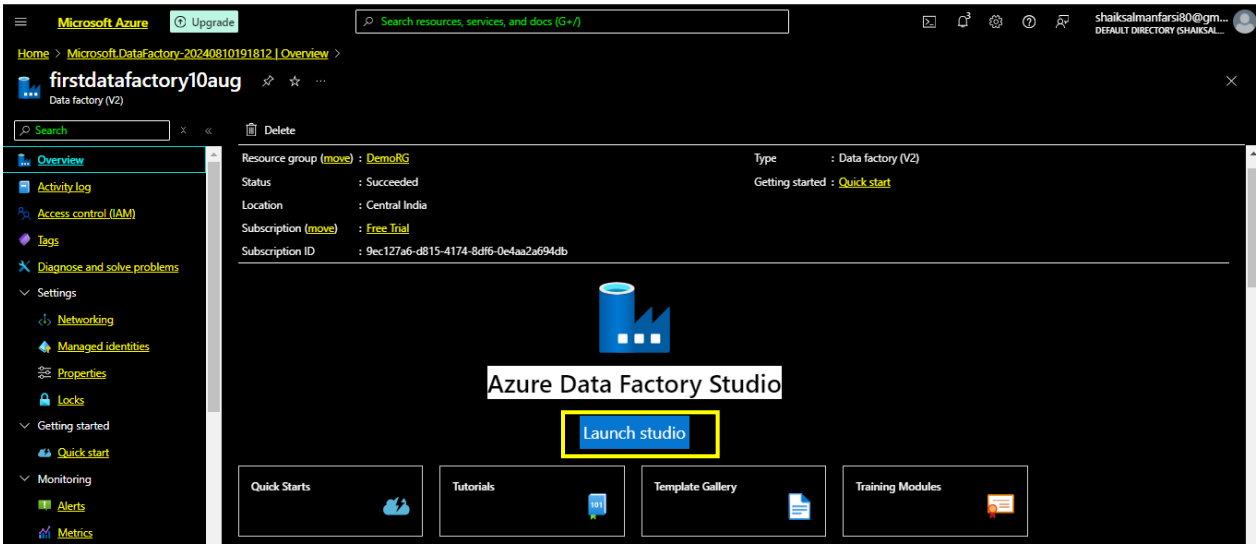
This is second storage account click on secondblob(container)



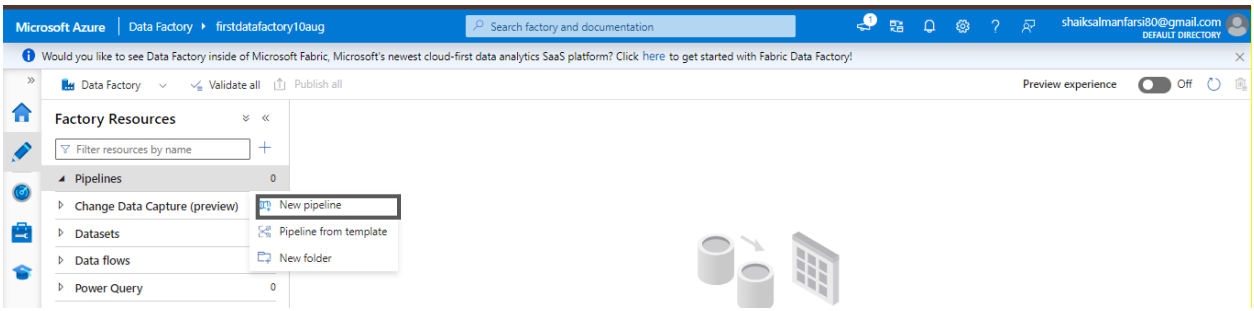
There is no file on here, now I am going to use that data factory to copy data one storage a/c to another storage a/c



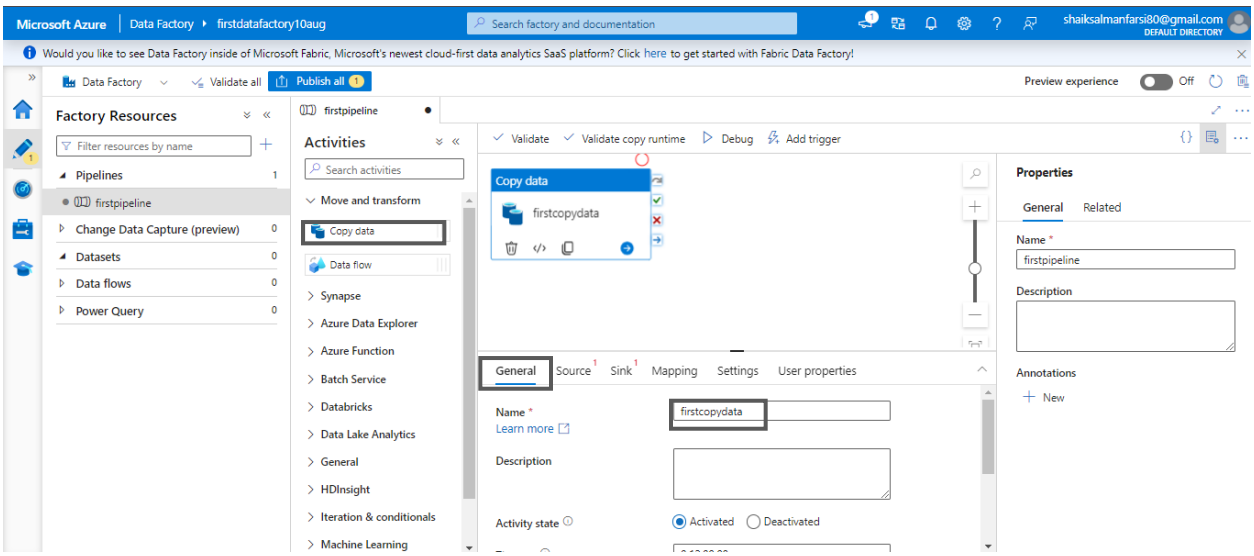
Go to Datafactory and click on Launch Studio



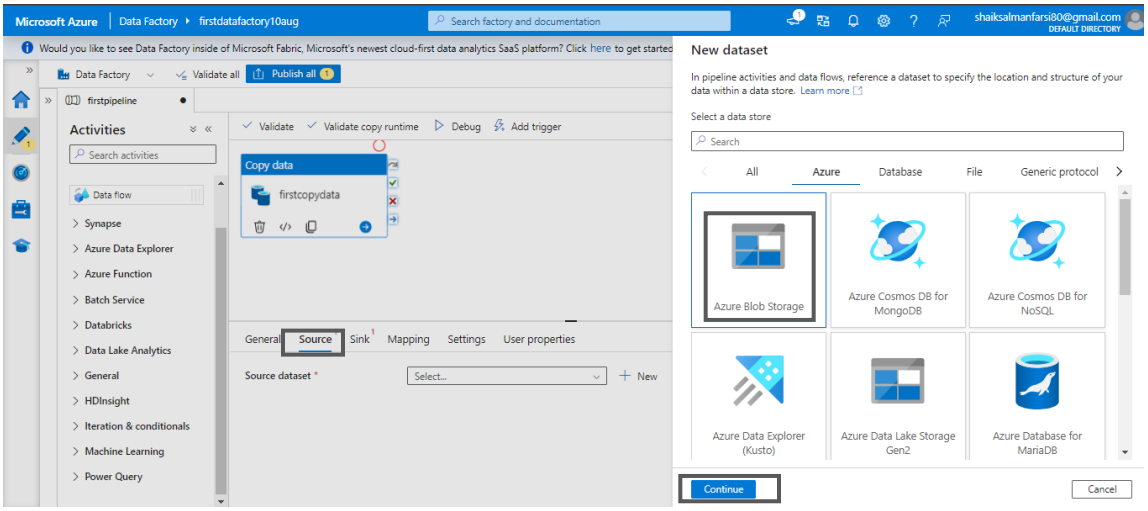
Click on Pipeline(right click) and create new pipeline



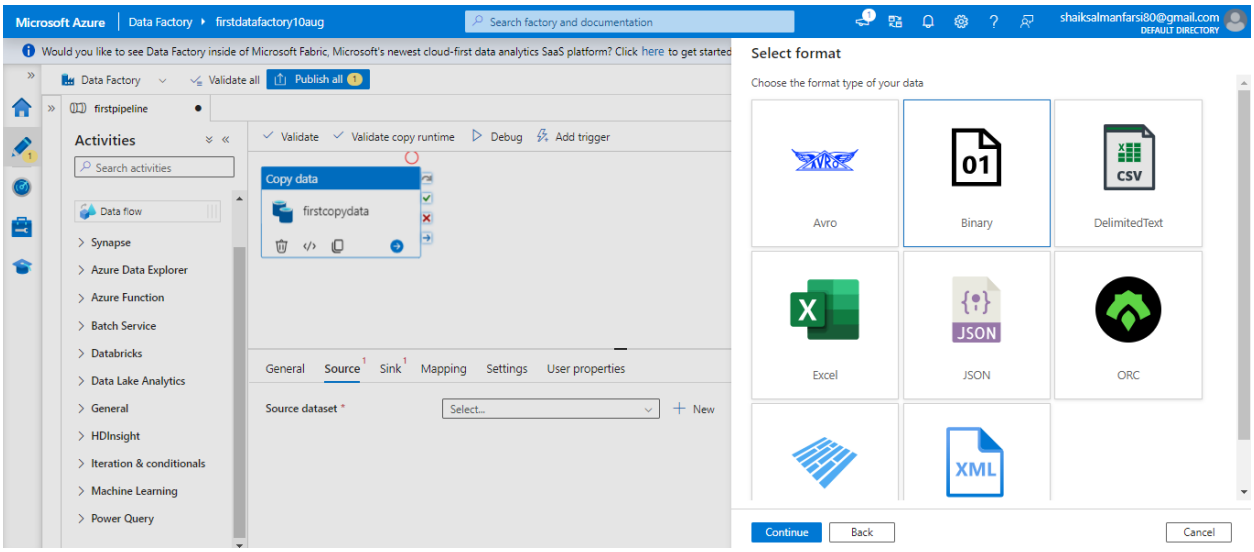
Select created pipeline and move and transform>copy data drag it and fill the GENERAL Name which I named firstcopydata



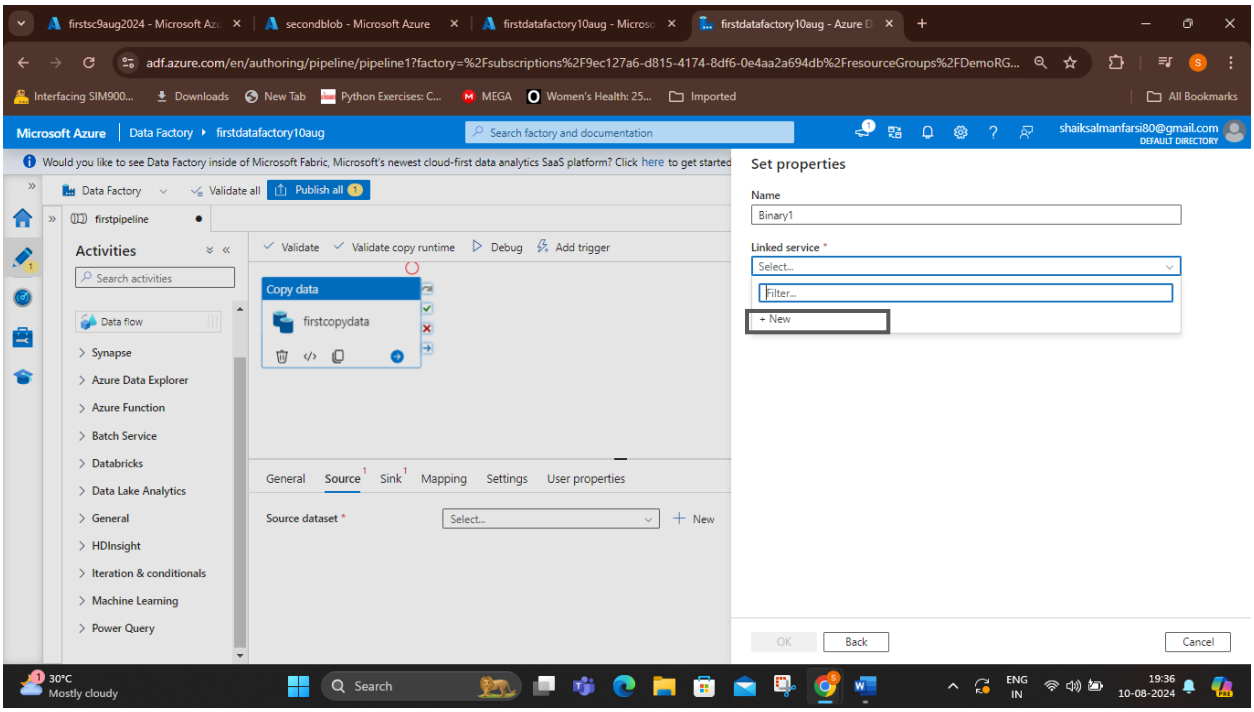
Now in the Source Select > Azure Blob Storage > Continue



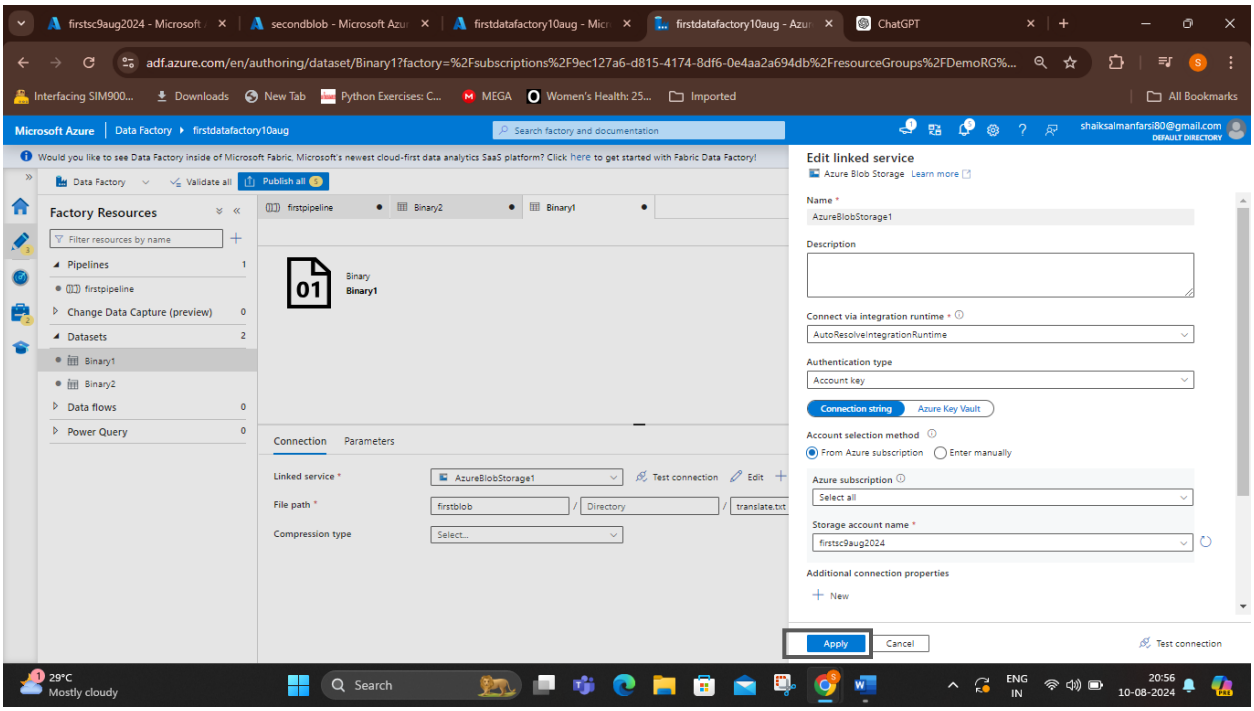
Select Binary for any format > continue



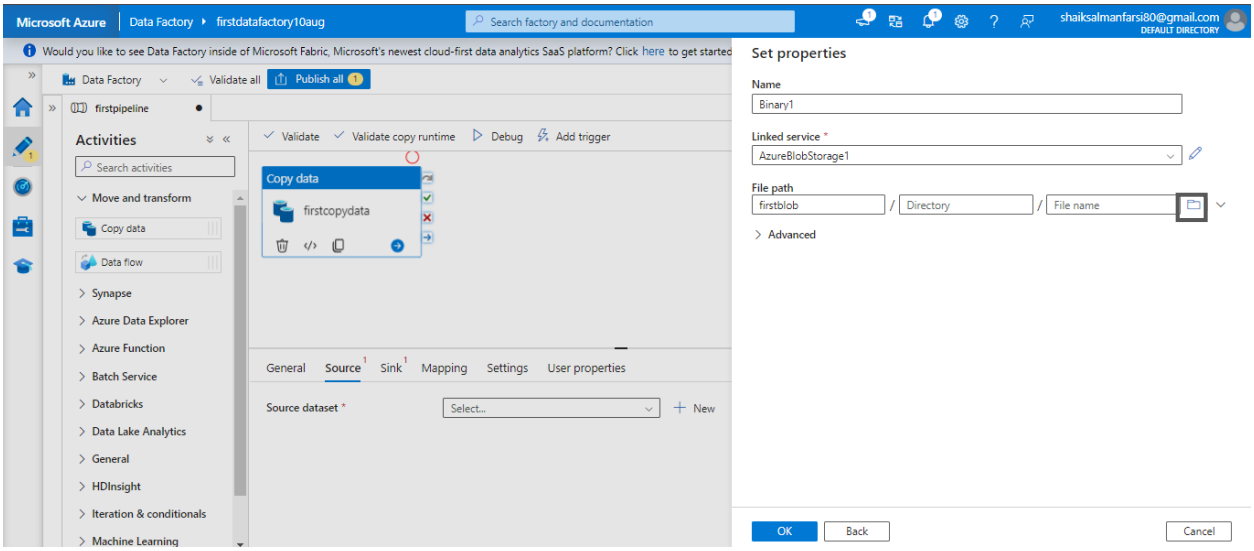
Now in the Linked service, Need to create



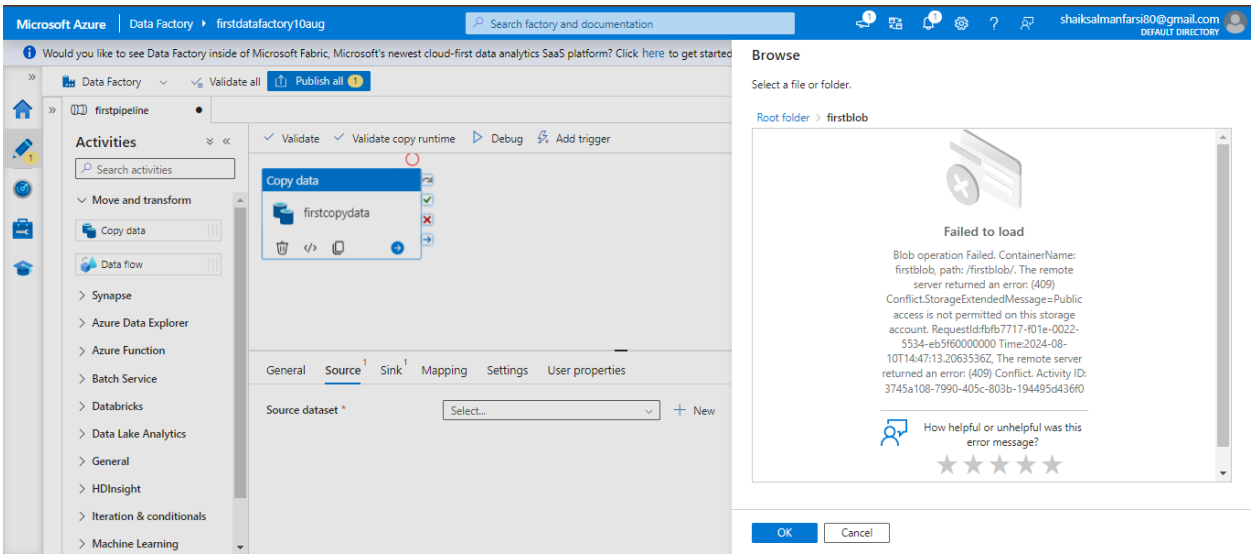
Name, Authentication type, Select Subscription, and this is source so I am selecting first storage account I had data on this



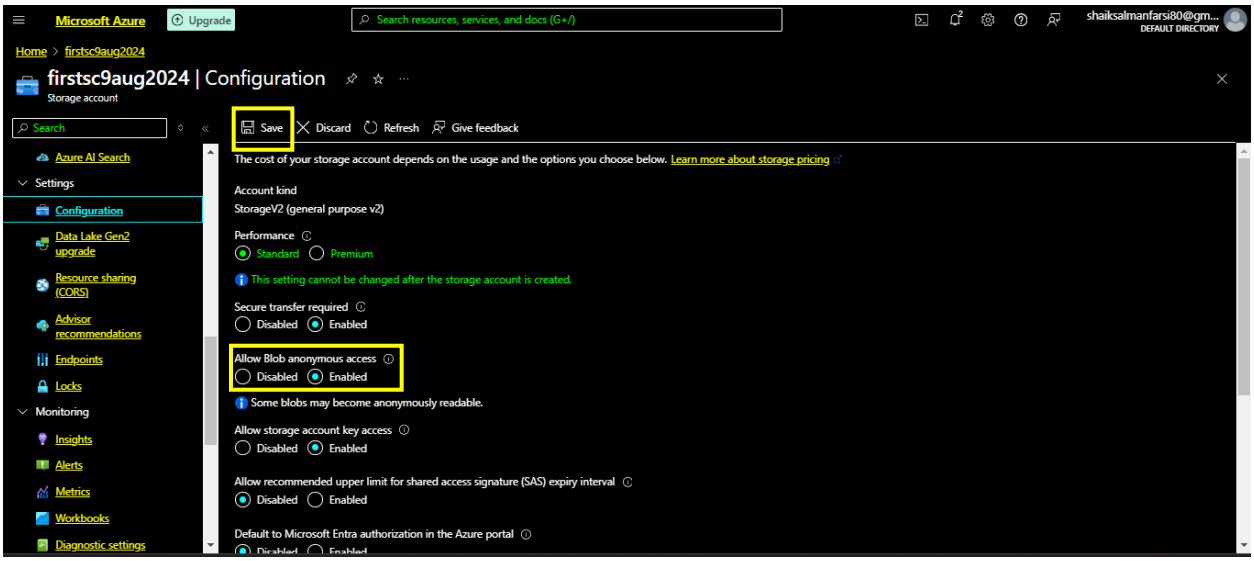
Now the path it tooks and right side click file



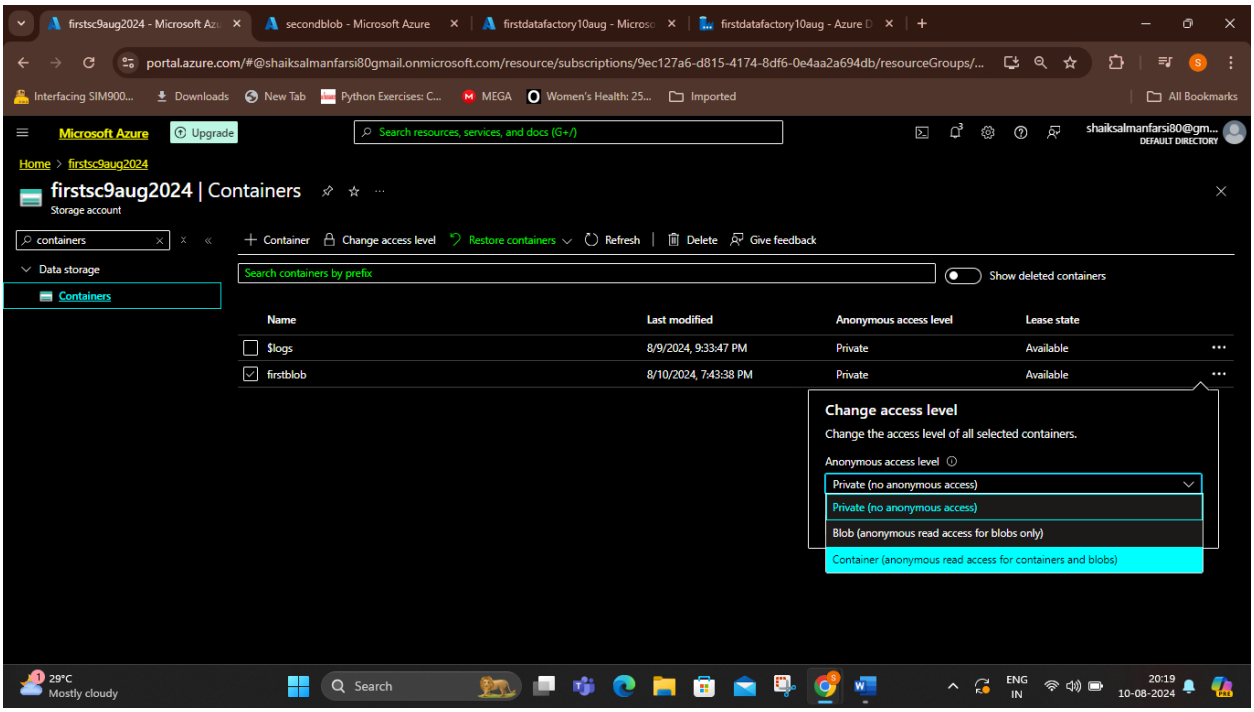
Access is not permitted



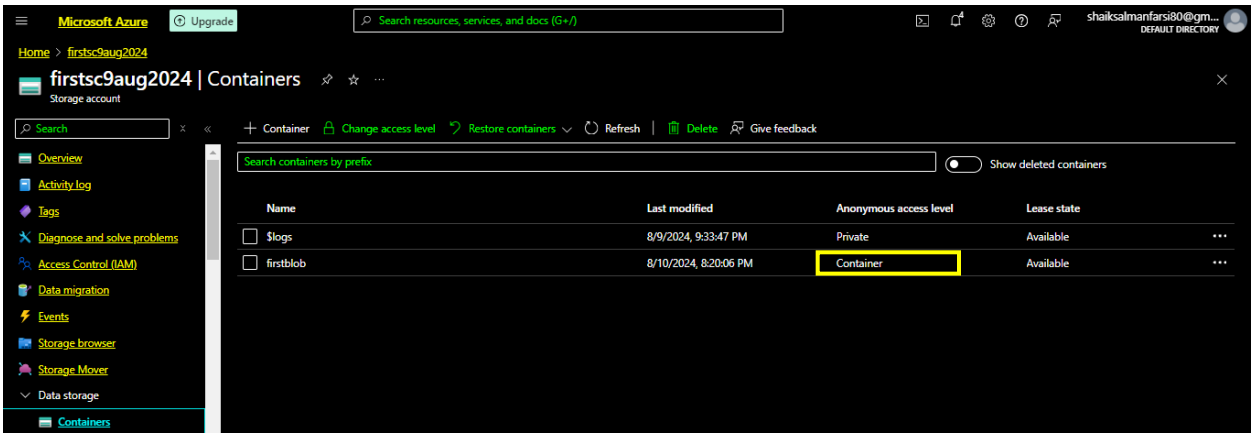
Come here first storage account and go to configuration > change blob anonymous enable and save it



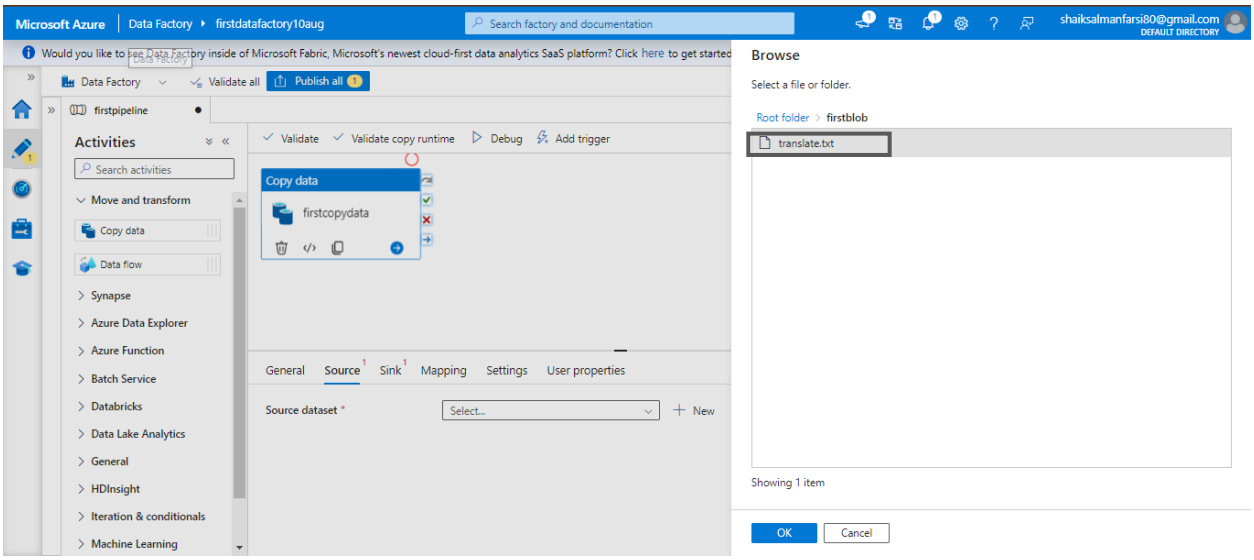
Now right corner side click that 3 dots and change permission to container



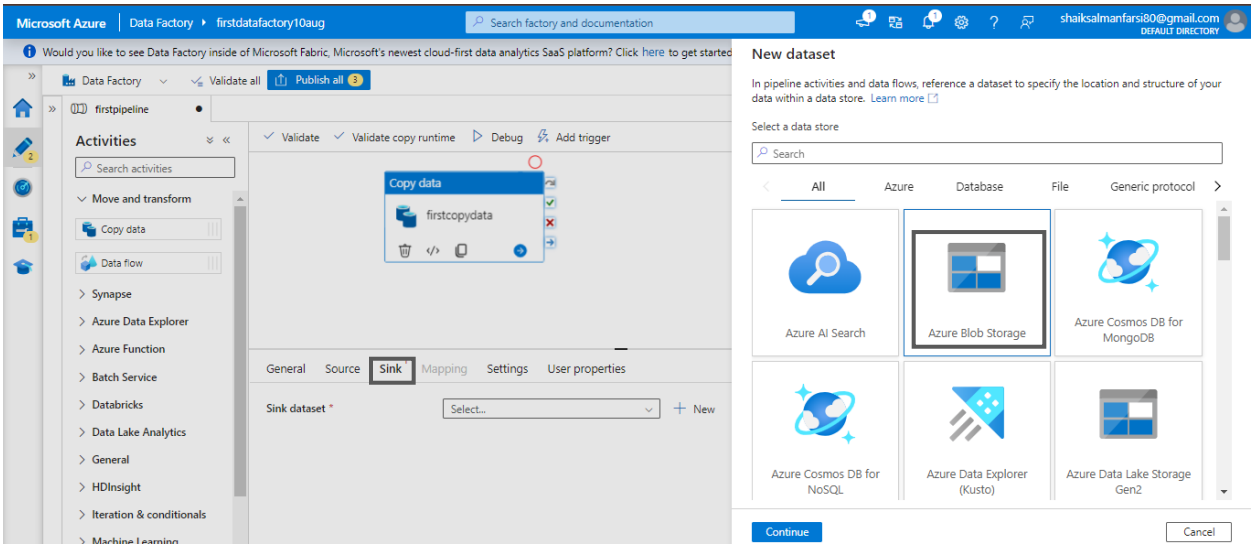
Now we can see the private to container access



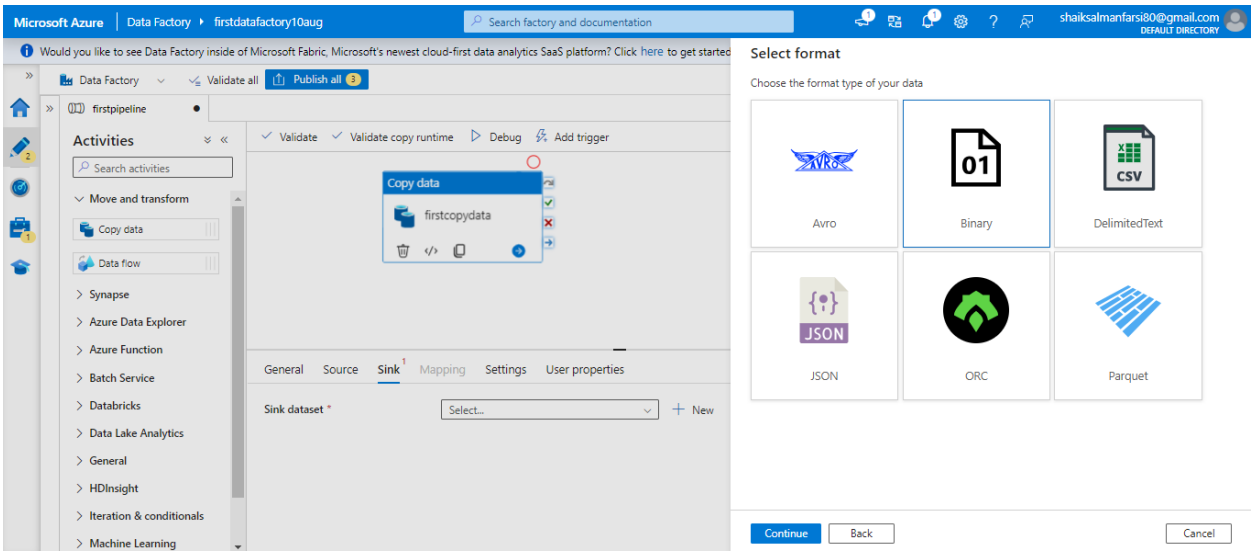
Now we can select the file > ok



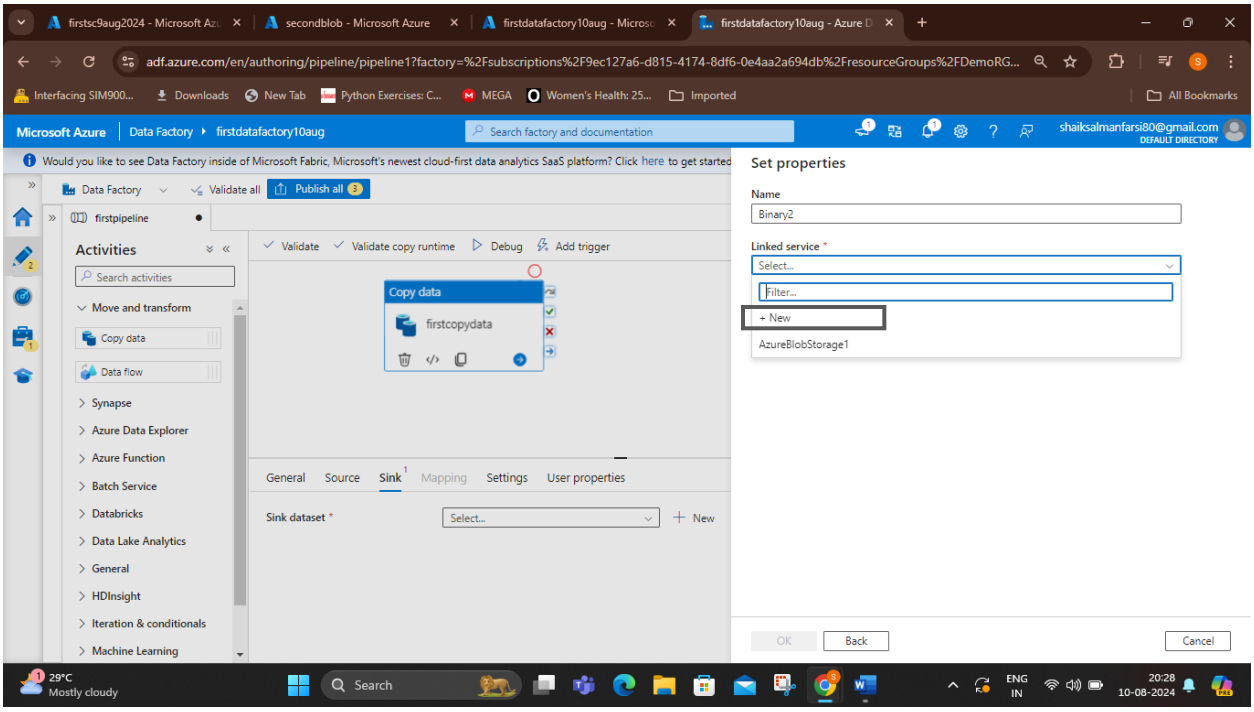
Now in the Sink (Destination storage A/c which u are copying here) > New > Azure Blob Storage



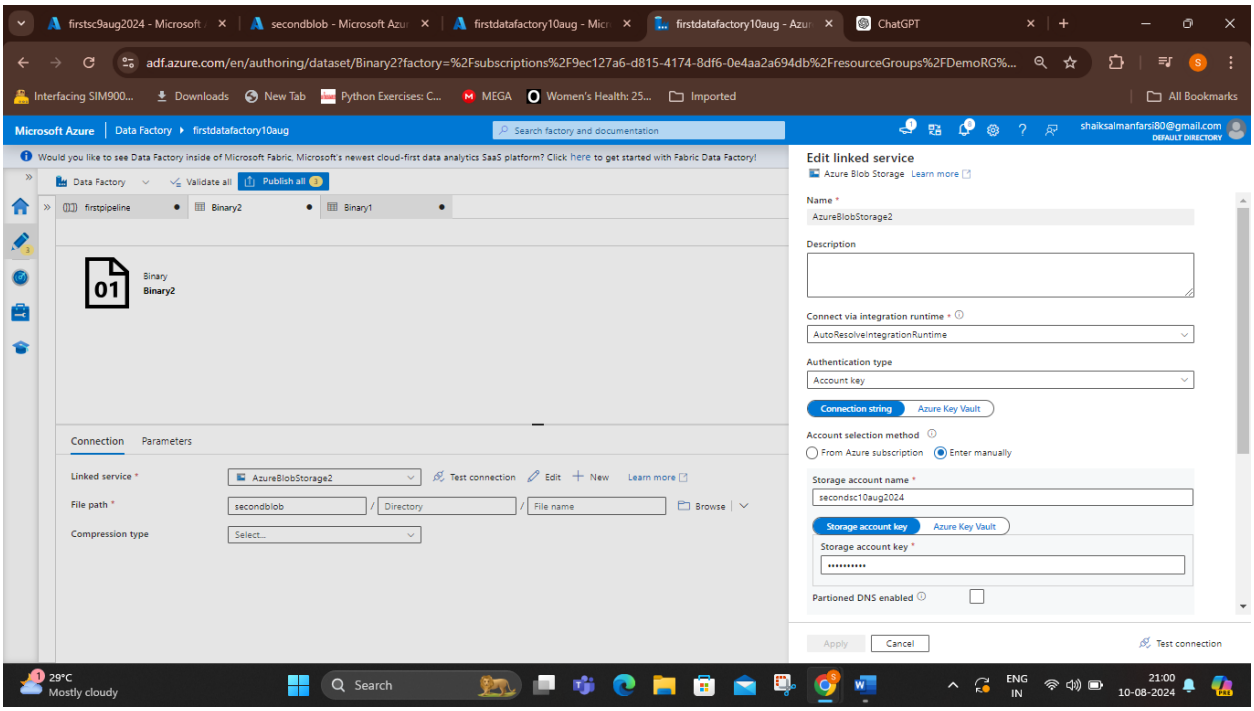
Select Binary



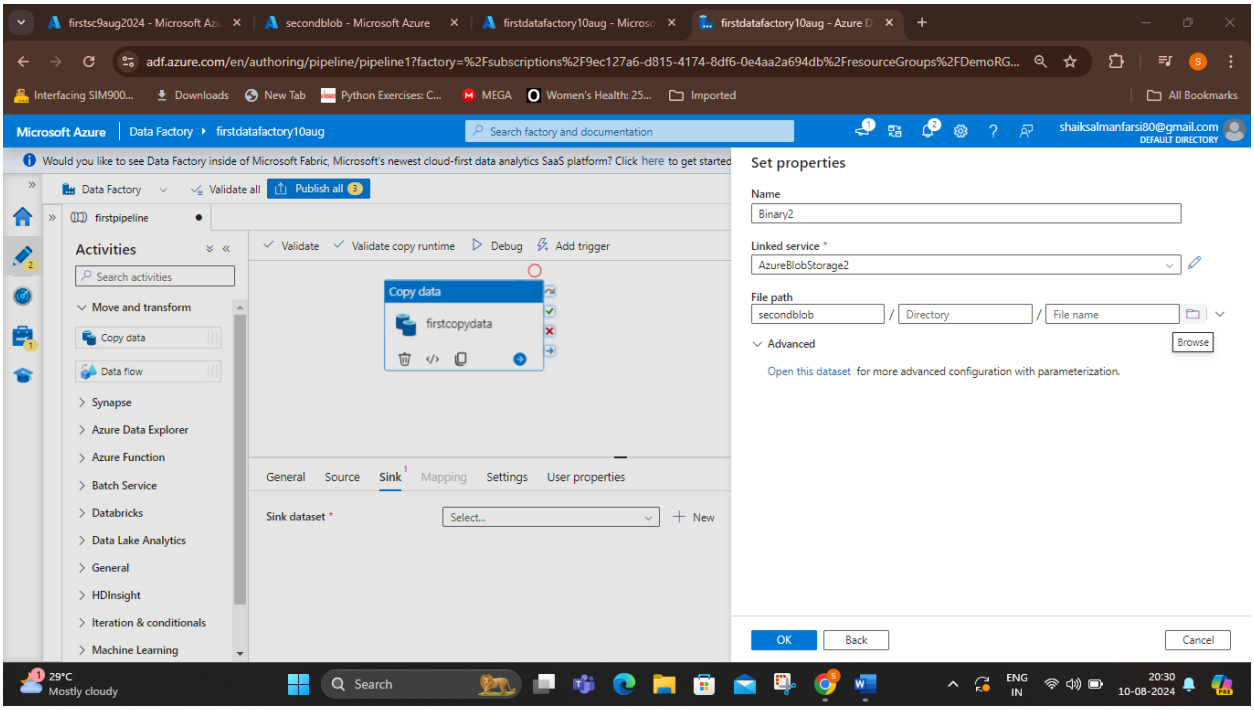
In Linked Device Create New



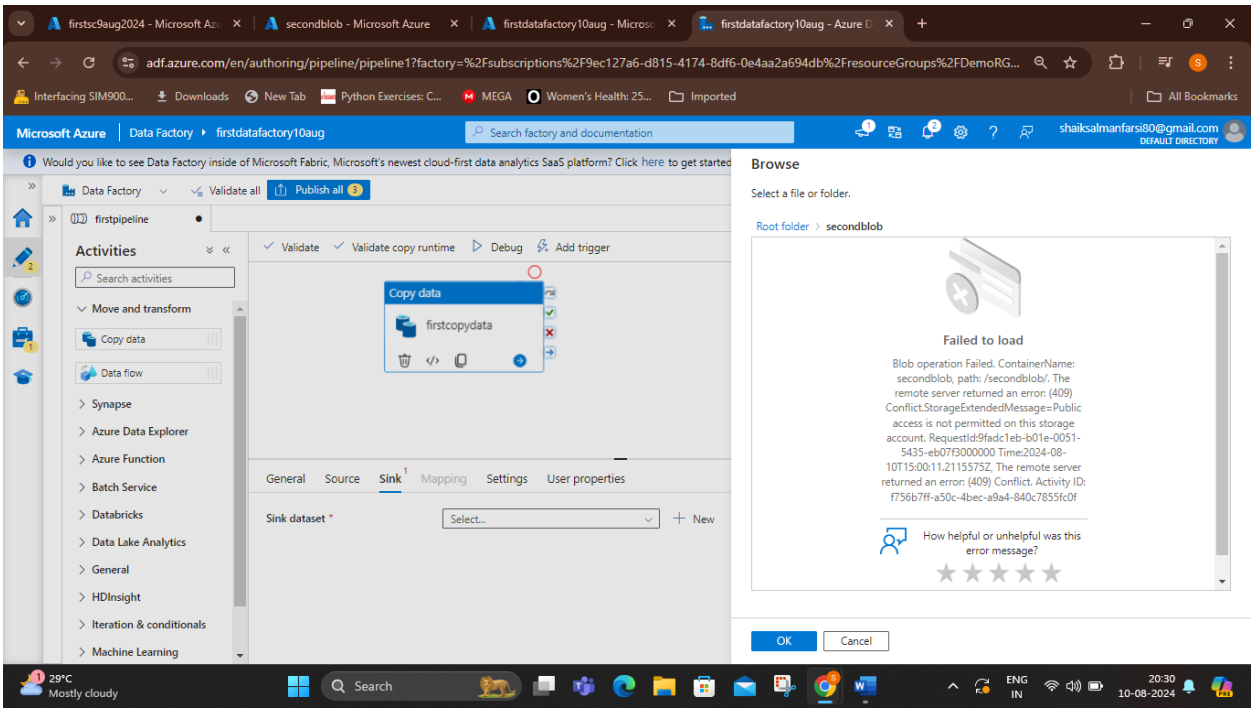
Fill As it as which u created first storage account and here select destination storage account here and apply



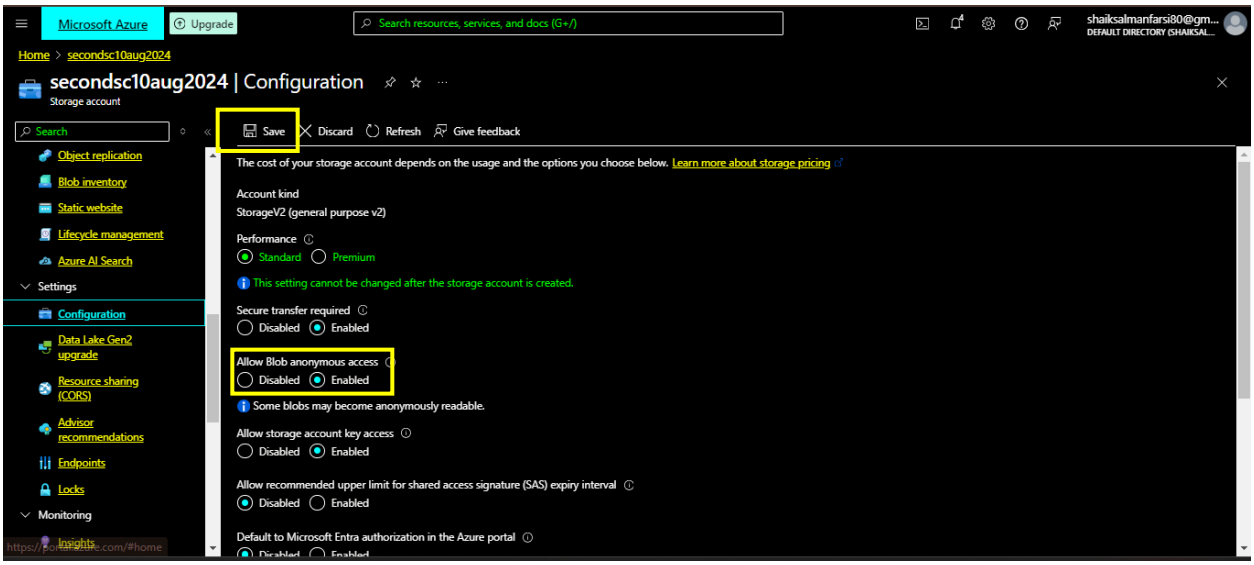
And Ok, it's a destination



Same change the permission

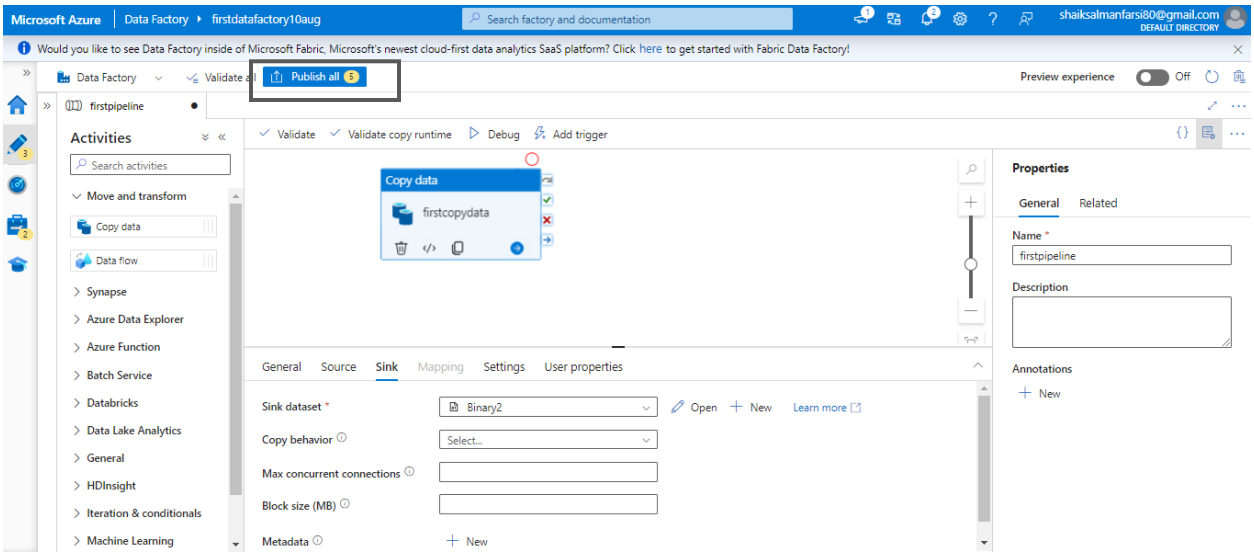


Come to second storage account > Config > enable blob anonymous save it

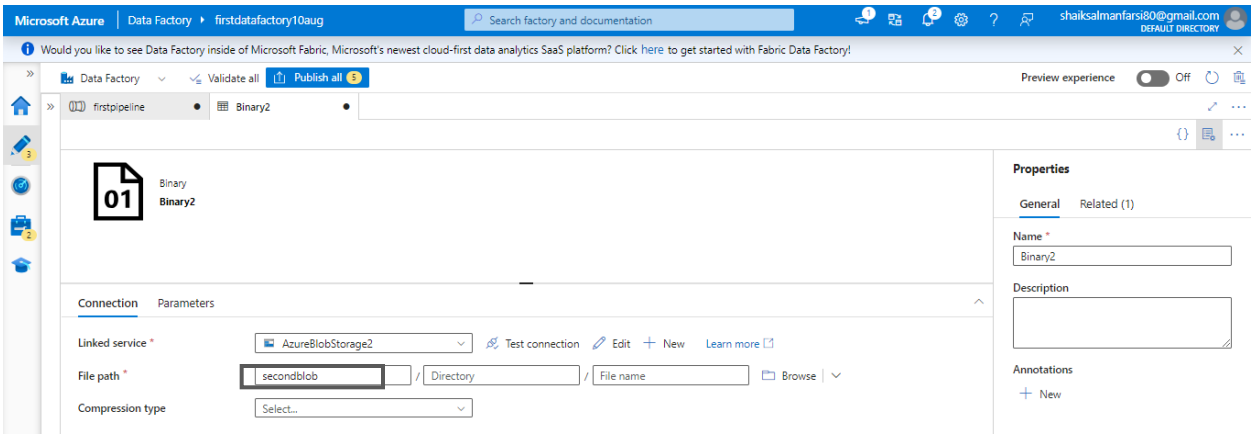


Currently there is no file here

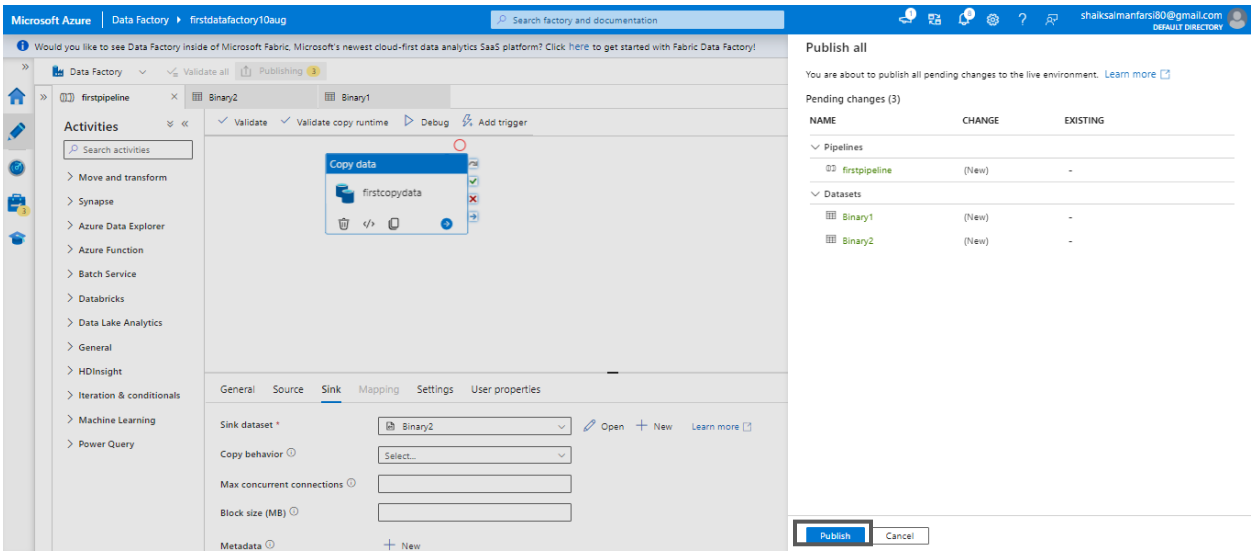
In Mapping “binary 2(Linked device name)” is the destination storage account



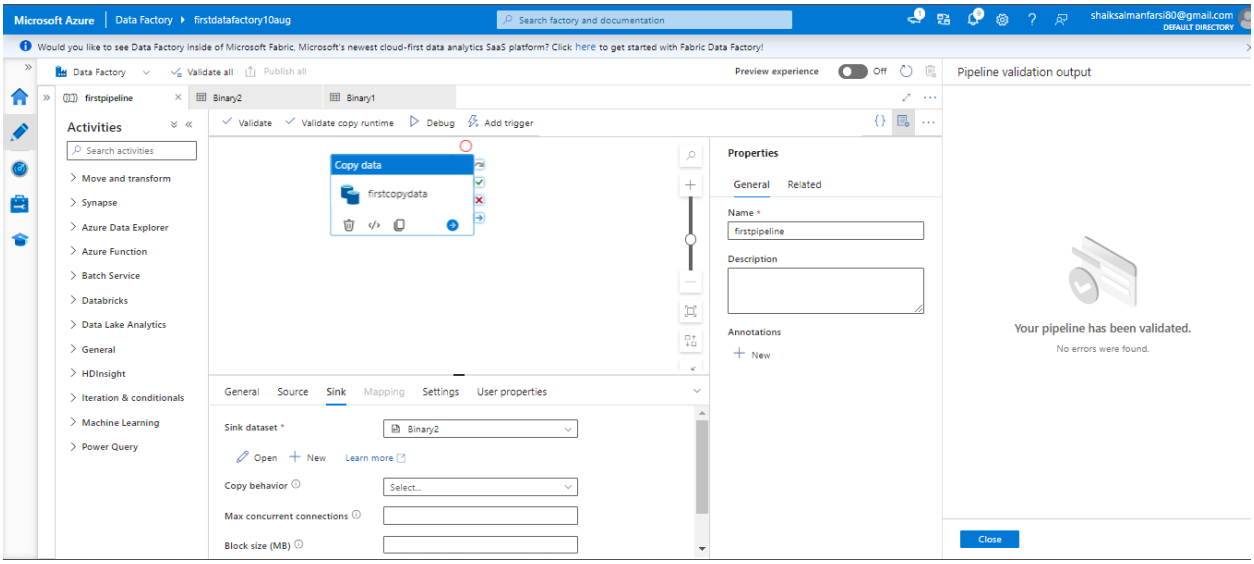
Where its going to copy and click on publish all



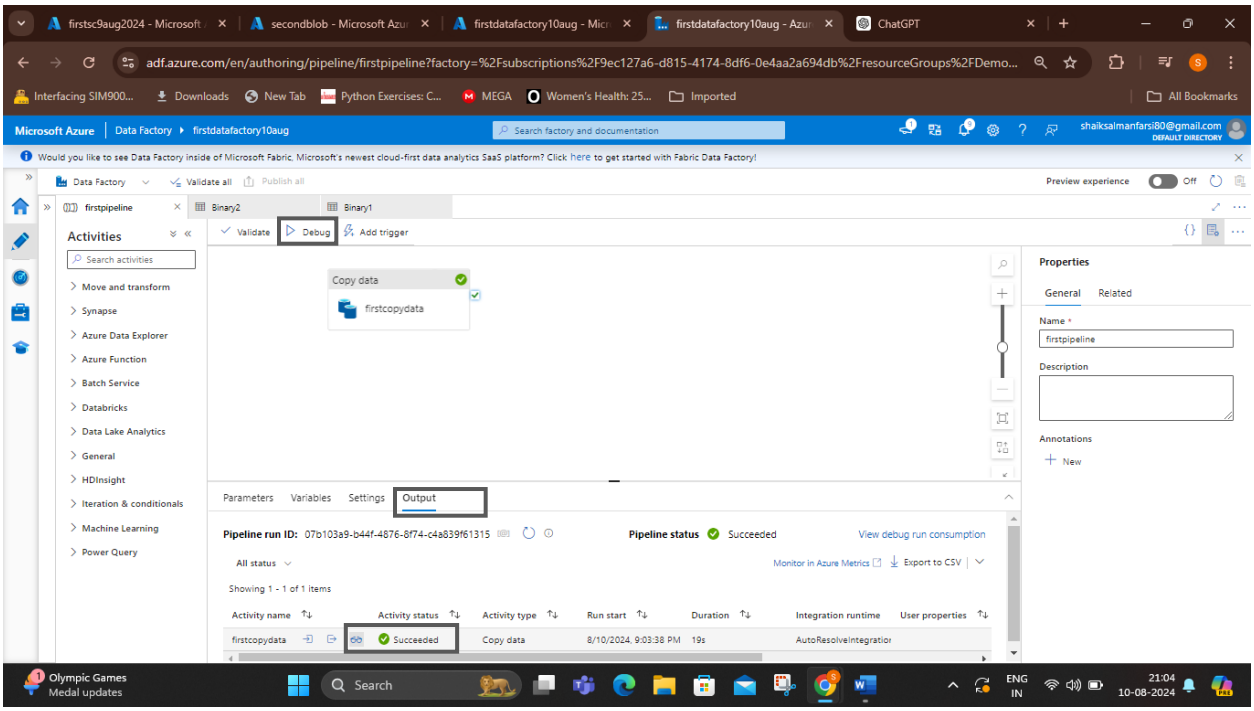
Click Publish



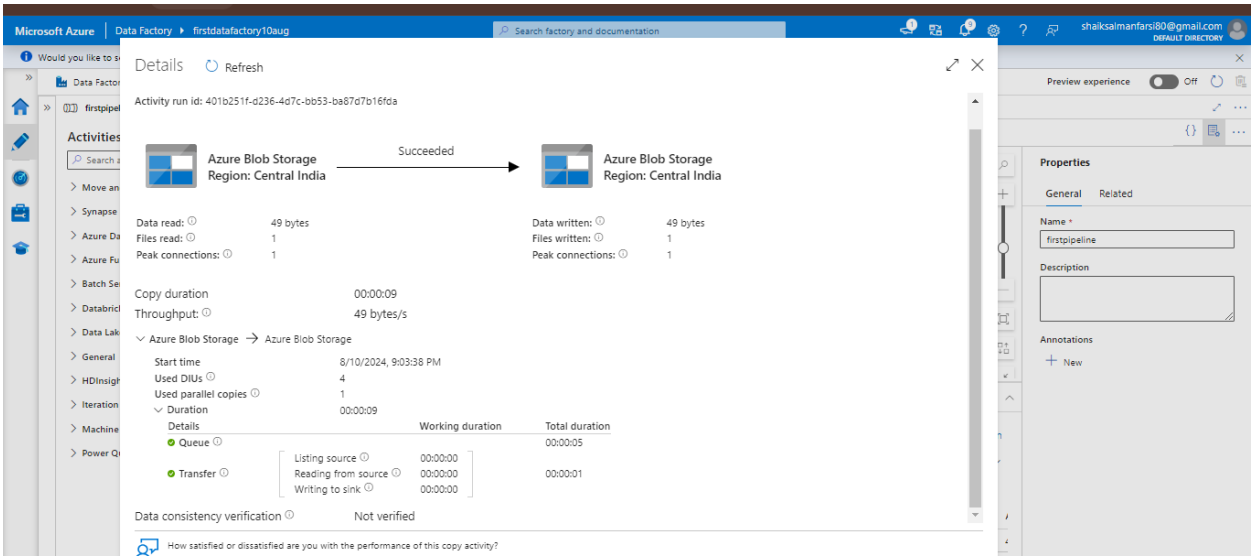
Click Validate > we can see the pipeline has been validated



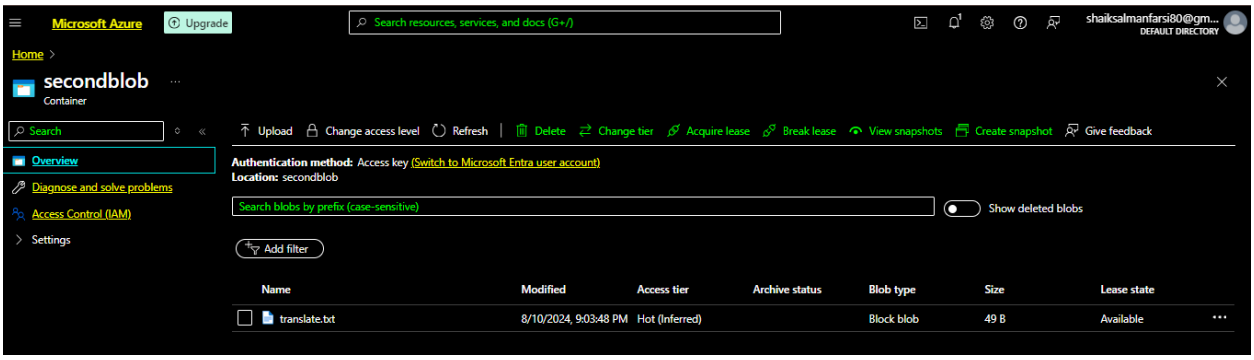
Click Debug, in the below we can see the output its succeeded and Click on details to see the visual(Structure to understand)



This is visual copied to pasted(one to another storage account)



Now we can see the data file on secondblob which is 2nd second storage account and assignment task is completed



Module 3: Assignment - 4

Azure 104 Certification Course

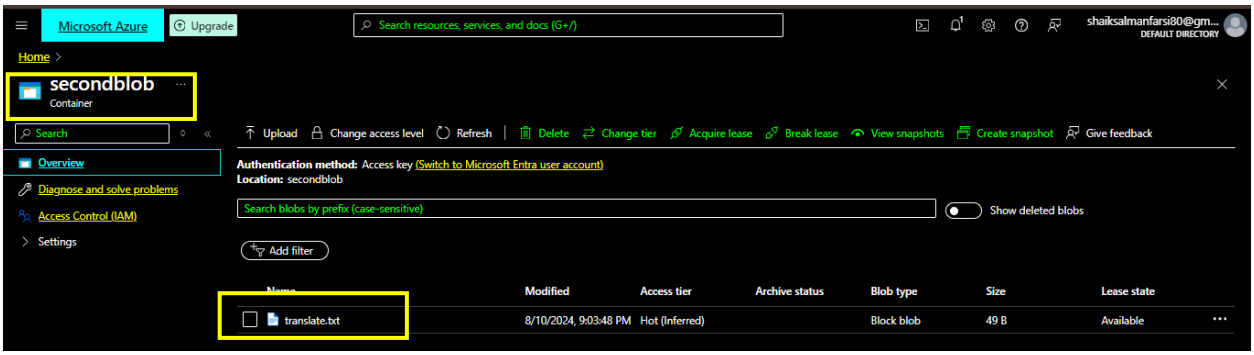
IntelliPaat

Tasks To Be Performed:

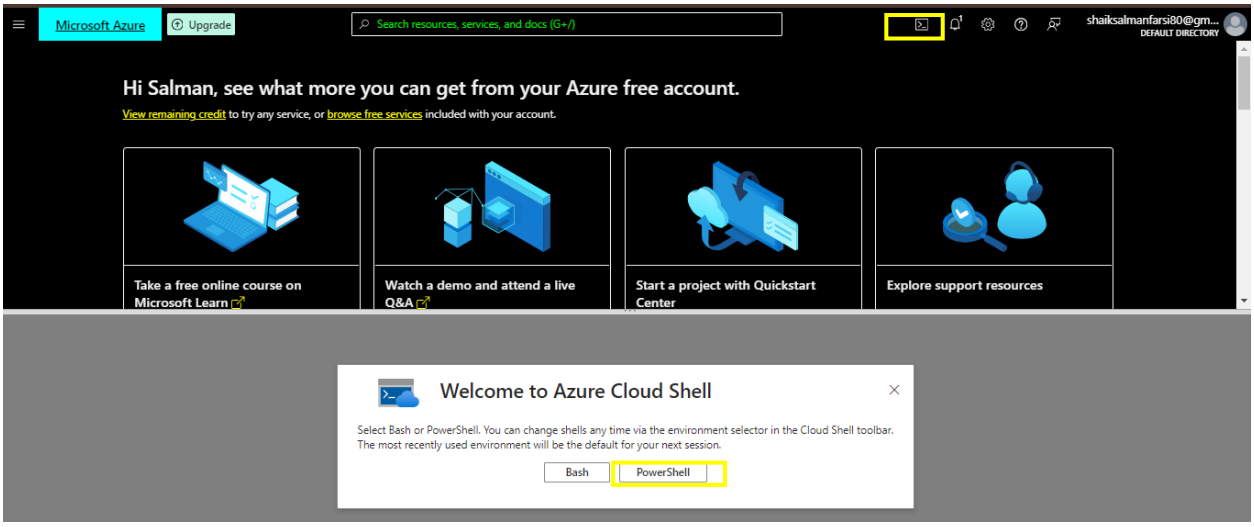
1. Use the same storage accounts from previous assignment
2. Use AzCopy utility to copy data from one storage container to another

Now same task performing with different tool, Now I uploaded one more file on firstblob(Container)

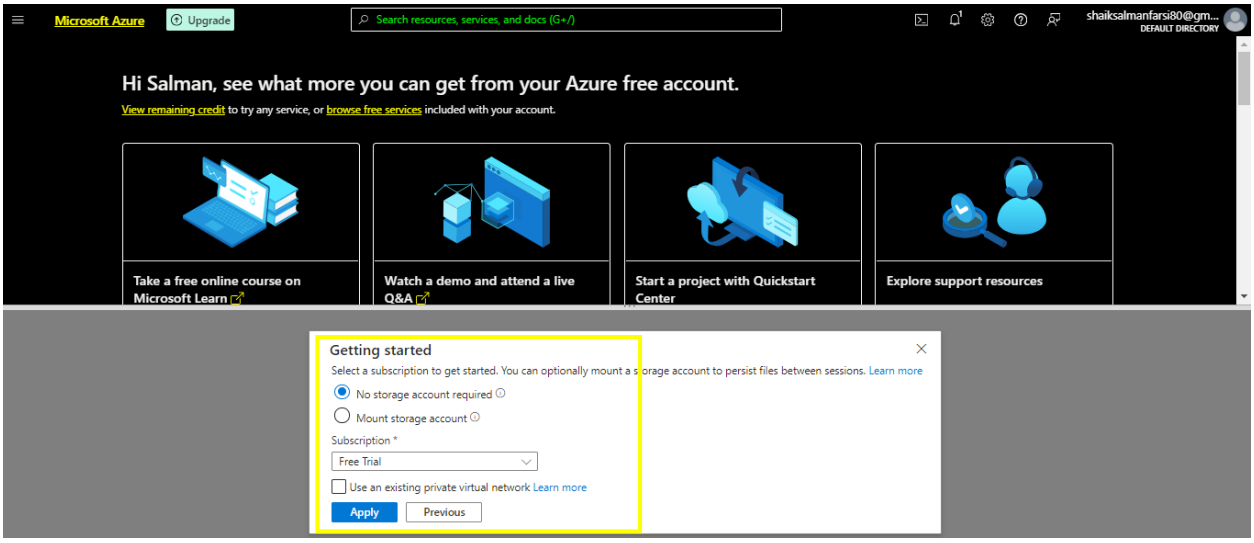
Now here there is only translate.txt file



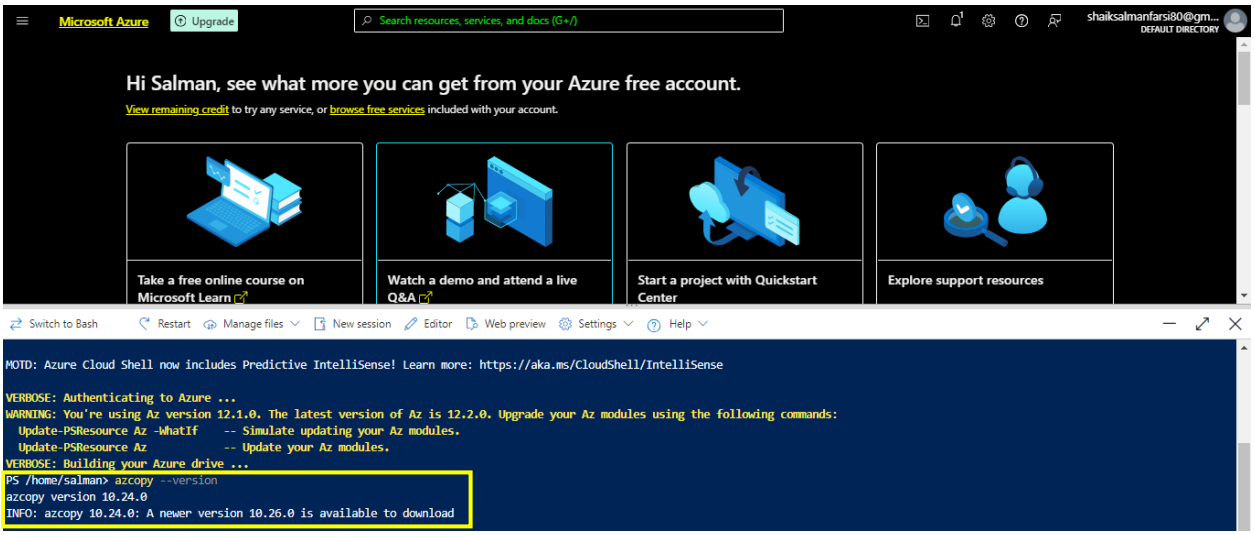
Click on Azure icon and I selected powershell



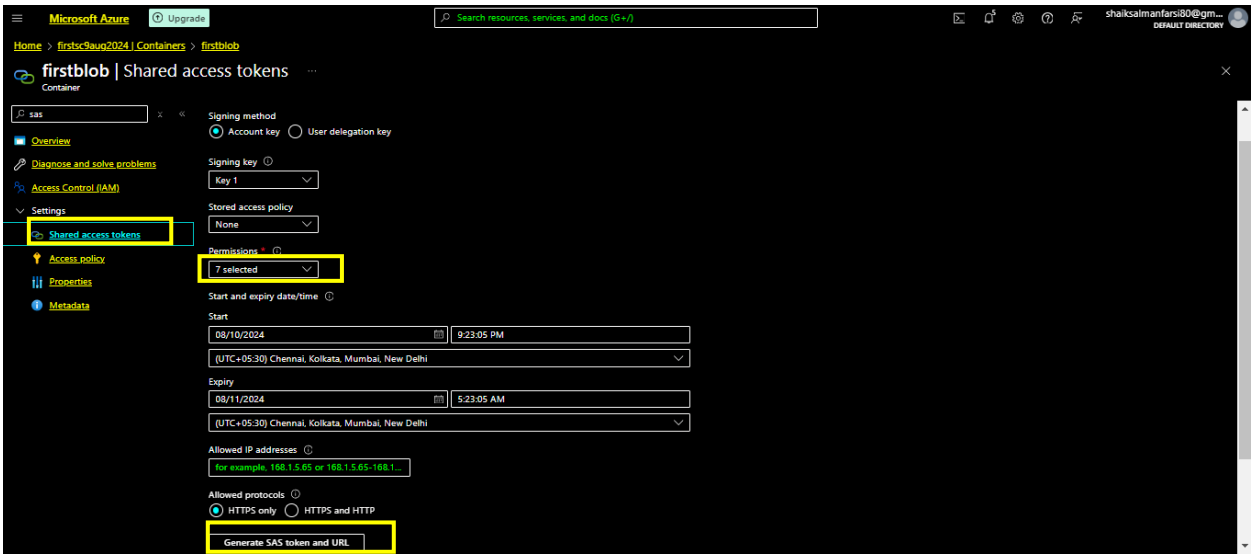
Apply



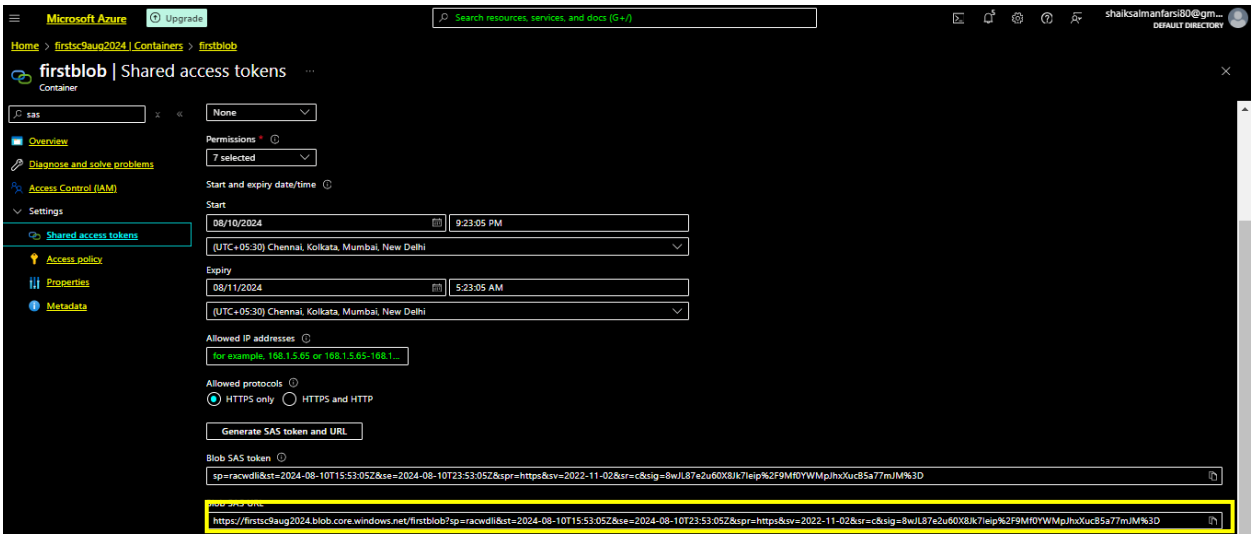
azcopy –version, its shown available



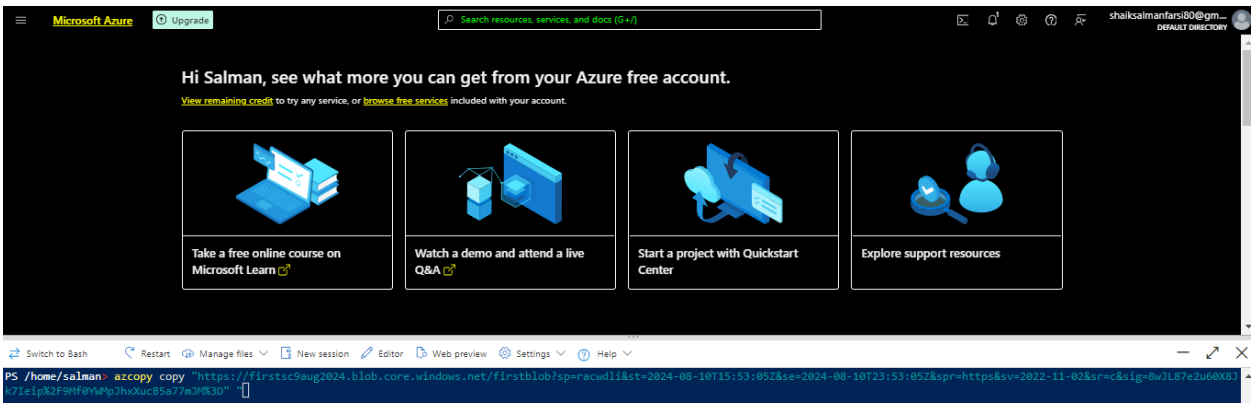
Now come first storage account and search SAS token > and Provide permissions and click on generate sas token and url



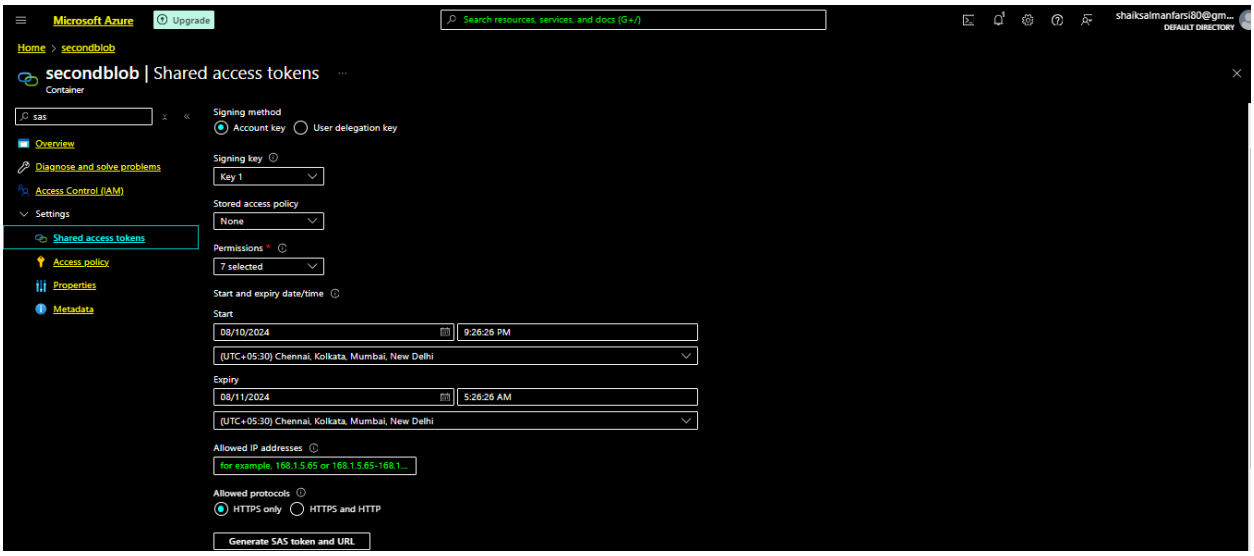
Copy Blob SAS URL



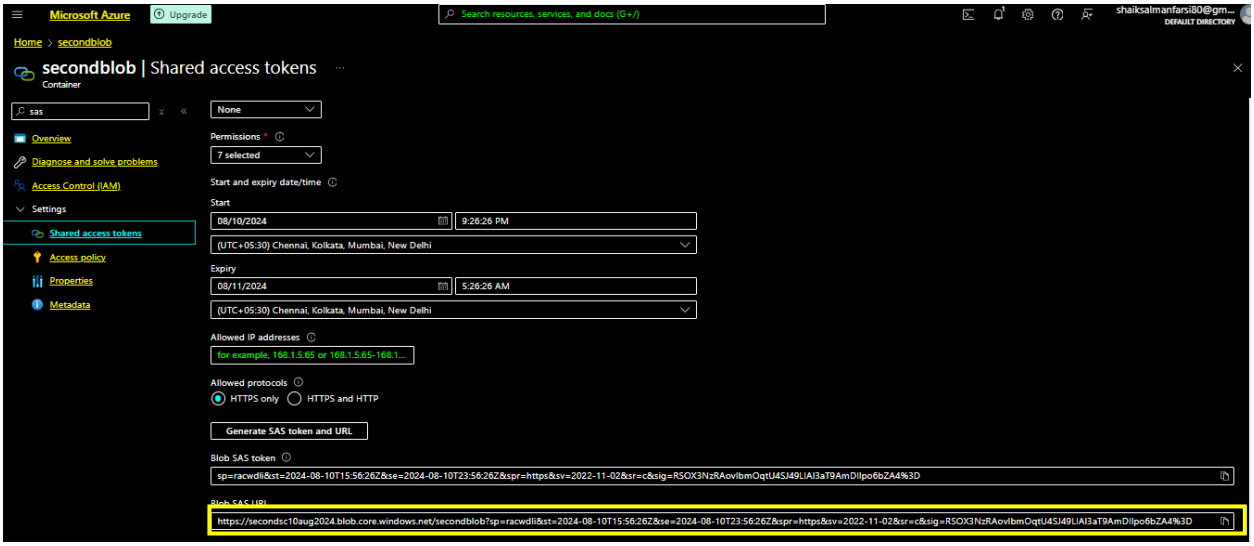
Command: azcopy copy “Source Blob SAS URL” “Destination Blob SAS URL” and don’t runt it currently I created SAS for source storage account only



Come 2nd storage account > SAS > Permissions > Generate



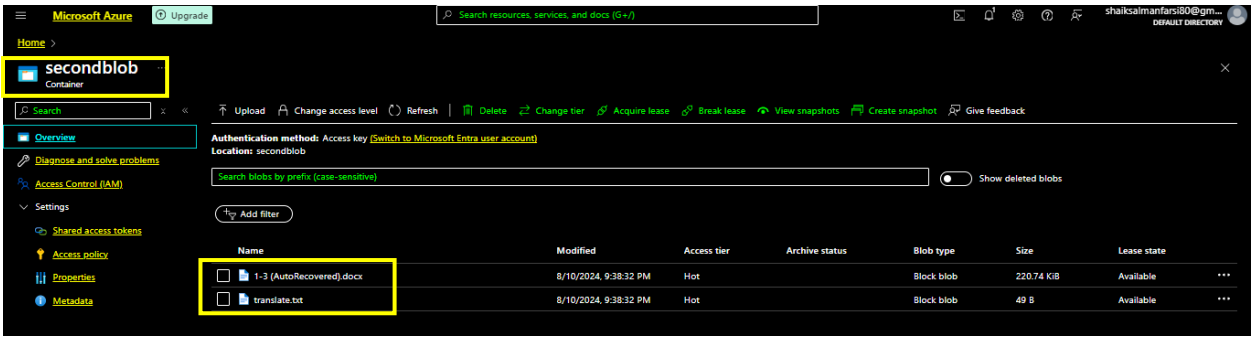
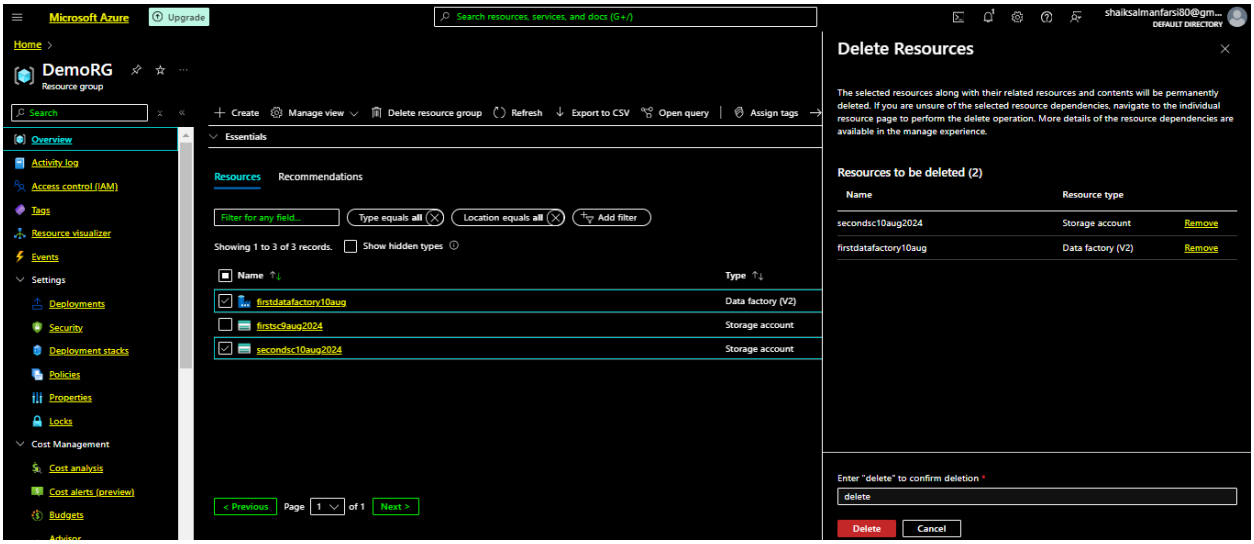
Copy Blob SAS URL



Command: azcopy copy “Source Blob SAS URL” “Destination Blob SAS URL” –recursive and its transfers 2 files

```
PS /home/salman> azcopy copy "https://firstsc9aug2024.blob.core.windows.net/firstblob?sp=racwdli&st=2024-08-10T15:53:05Z&se=2024-08-10T23:53:05Z&spr=https&sv=2022-11-02&sr=c&sig=8wJL87e2u60X8
k7Ieip%2F9Mf0YWMpJhxXucB5a77mJM%3D" "https://secondsc10aug2024.blob.core.windows.net/secondblob?sp=racwdli&st=2024-08-10T15:56:26Z&se=2024-08-10T23:56:26Z&spr=https&sv=2022-11-02&sr=c&sig=RSO
8NzRAovIbmOqtU4SJ49LIAl3aT9AmDIlpo6bZA4%3D" --recursive
INFO: azcopy 10.24.0: A newer version 10.26.0 is available to download

INFO: Scanning...
INFO: Failed to create one or more destination container(s). Your transfers may still succeed if the container already exists.
INFO: Any empty folders will not be processed, because source and/or destination doesn't have full folder support

Job 8df0c759-b73c-914a-692c-1ad3df06b7d8 has started
Log file is located at: /home/salman/.azcopy/8df0c759-b73c-914a-692c-1ad3df06b7d8.log

100.0 %, 2 Done, 0 Failed, 0 Pending, 0 Skipped, 2 Total, 2-sec Throughput (Mb/s): 0.9031


Job 8df0c759-b73c-914a-692c-1ad3df06b7d8 summary
Elapsed Time (Minutes): 0.0334
Number of File Transfers: 2
Number of Folder Property Transfers: 0
Number of Symlink Transfers: 0
Total Number of Transfers: 2
Number of File Transfers Completed: 2
Number of Folder Transfers Completed: 0
Number of File Transfers Failed: 0
Number of Folder Transfers Failed: 0
Number of File Transfers Skipped: 0
Number of Folder Transfers Skipped: 0
Total Number of Bytes Transferred: 226085
Final Job Status: Completed

PS /home/salman>
```

Here I can see its transfers 2 files and its replace translate.txt also with time 9:38:32 seconds, Assignment Task Successfully Completed



I am Deleting Datafactory and 2nd storage account