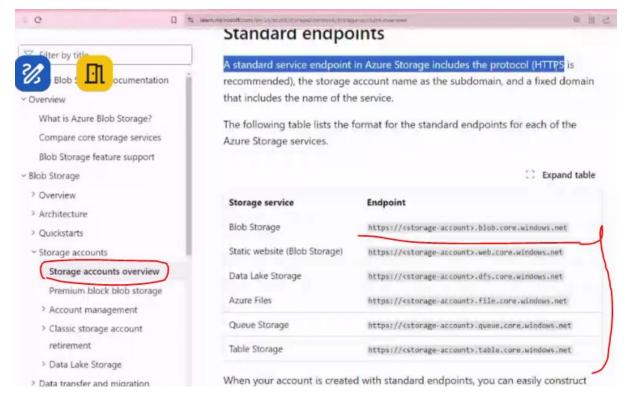
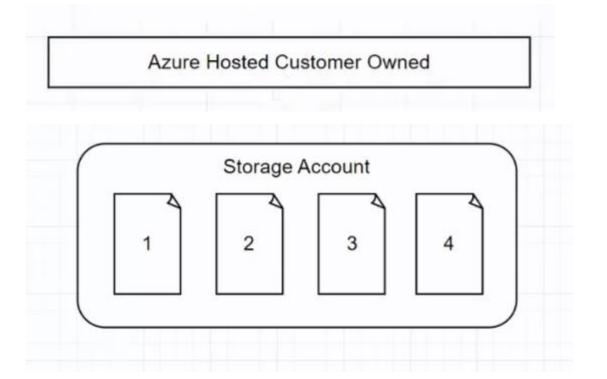
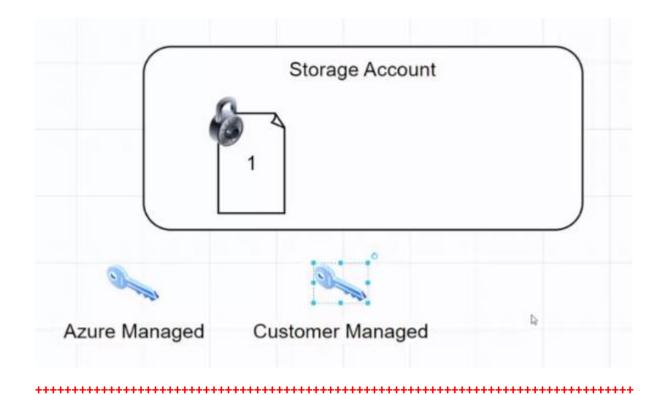


3) Urls for different storages



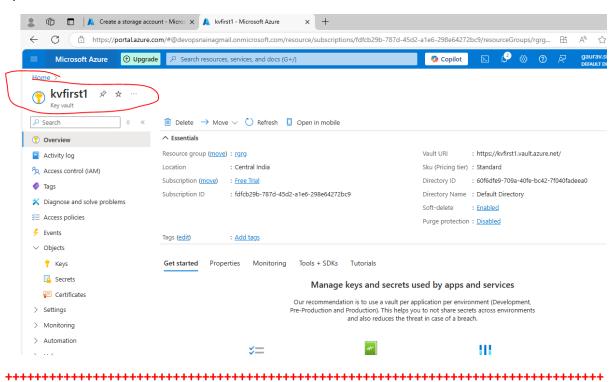
4)



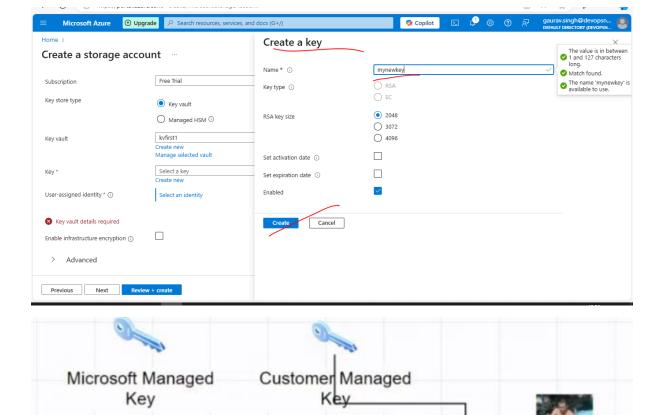


AGENDA – Creating keyvault

1)



AGENDA – Creating Storage account

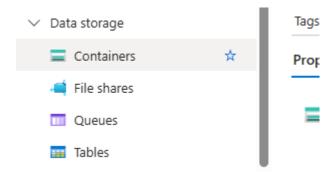


There are two types of encrpytions keys in azure - One is MMK and CMK.*
CMK is more secure. For using CMK, A new key is created and stored in key vault and the storage account is given access to the key stored in the key vault using managed identities.

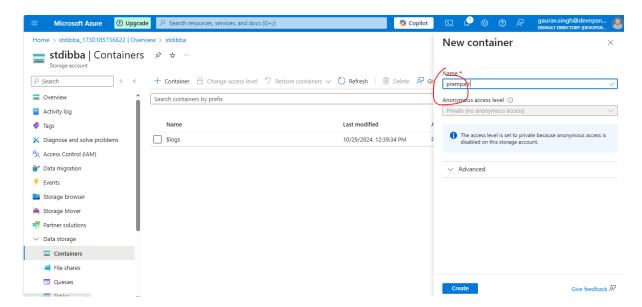
Key Rotation

Using CMK we can do disk encryption also.

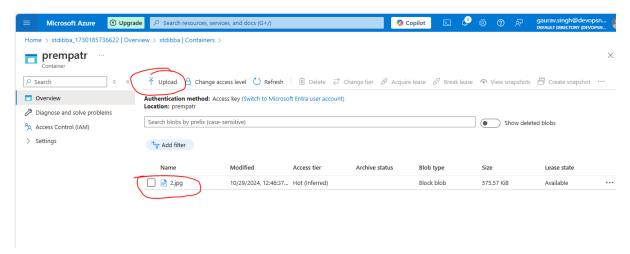
2) So now we can see all four services



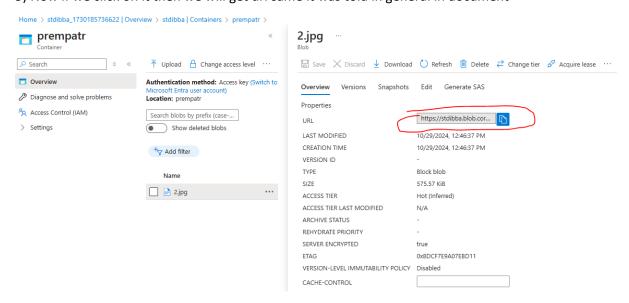
3) Now create a container



4) Now uploading a file in container from local



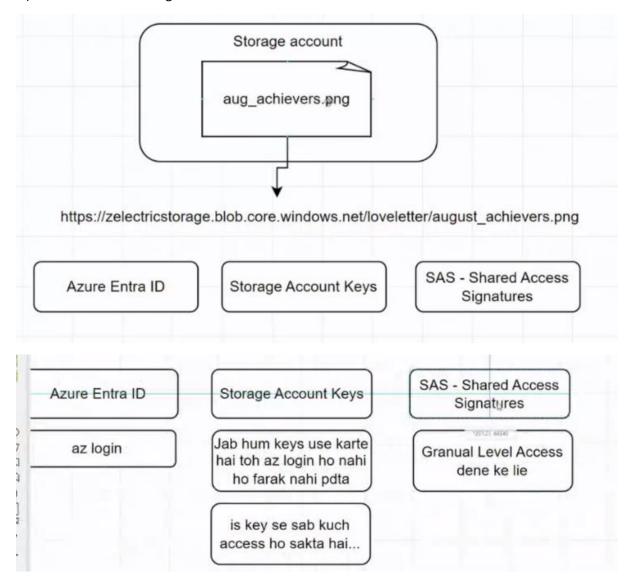
5) Now if we click on it then we will get url same it was told in general in document



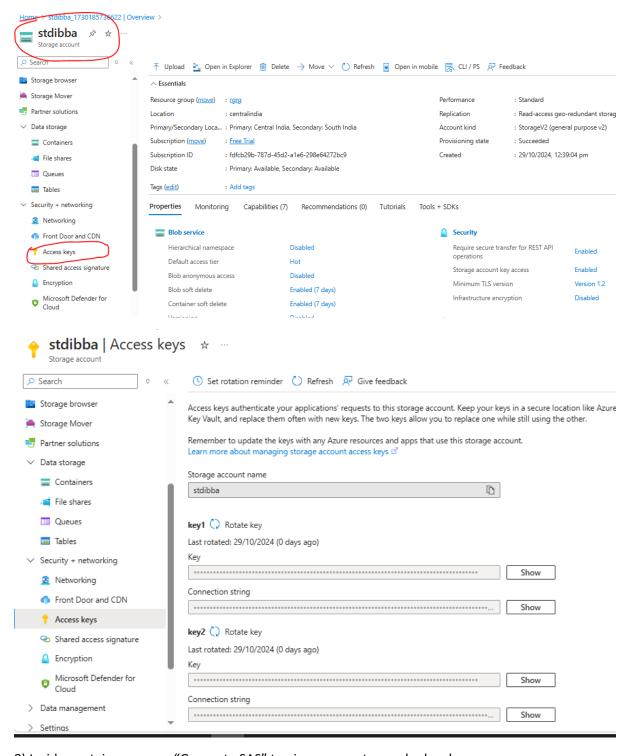
https://stdibba.blob.core.windows.net/prempatr/2.jpg



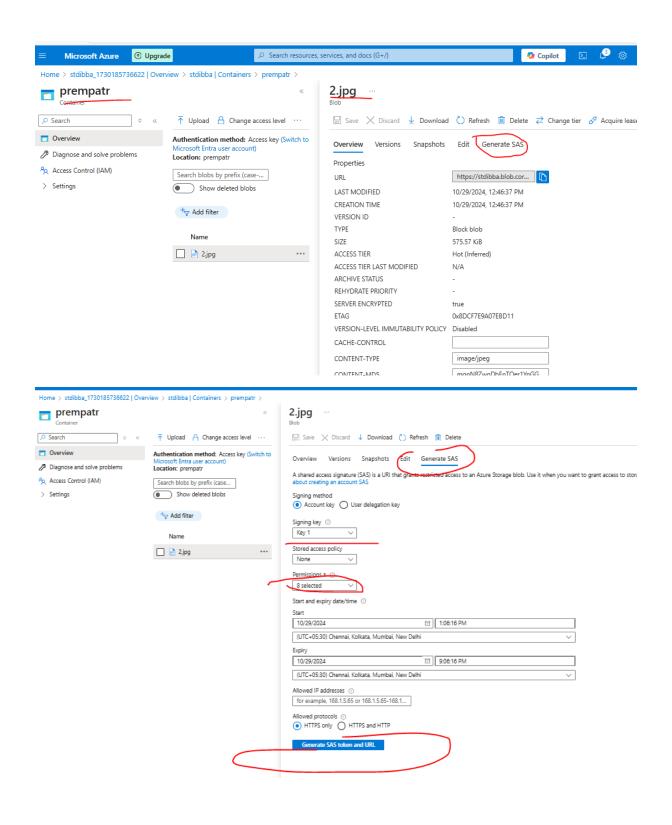
- 6) So we are unable to access that image using url because we don't have the permission to access it publicly. We can use below methods to access
- i) Azure Entra ID
- ii) Storage account keys
- iii) SAS Shared access signatures

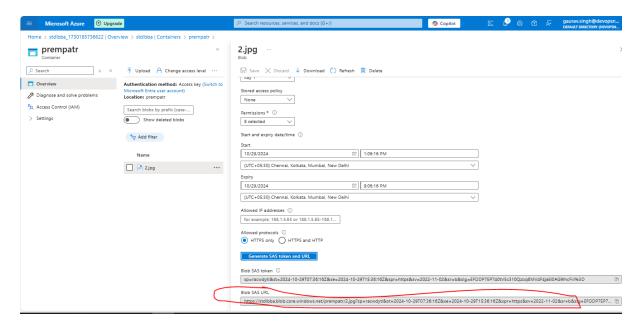


7) So we have access keys in storage account to access its data

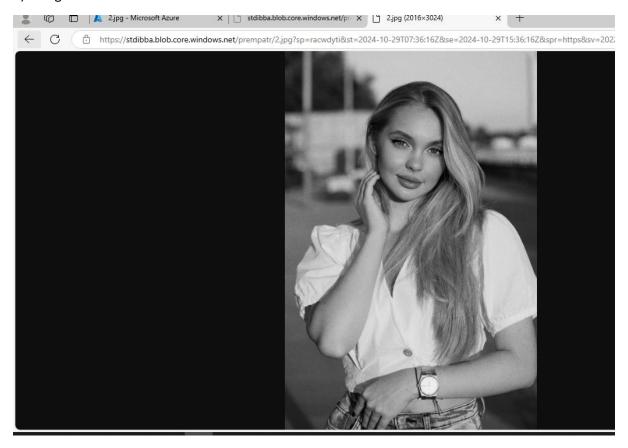


8) Inside container we can "Generate SAS" to give access at granular level



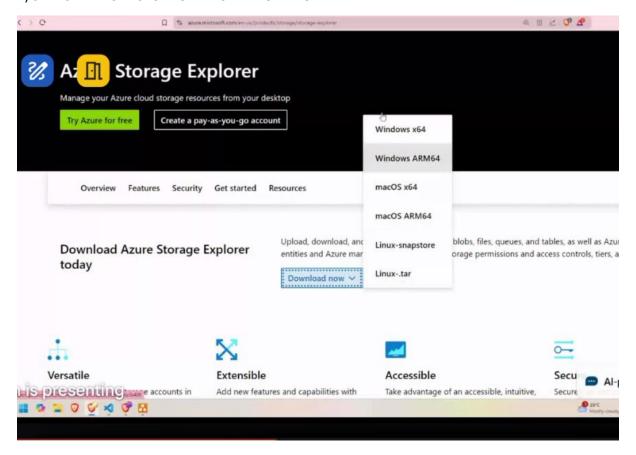


9) Using above url we can access now the data in container

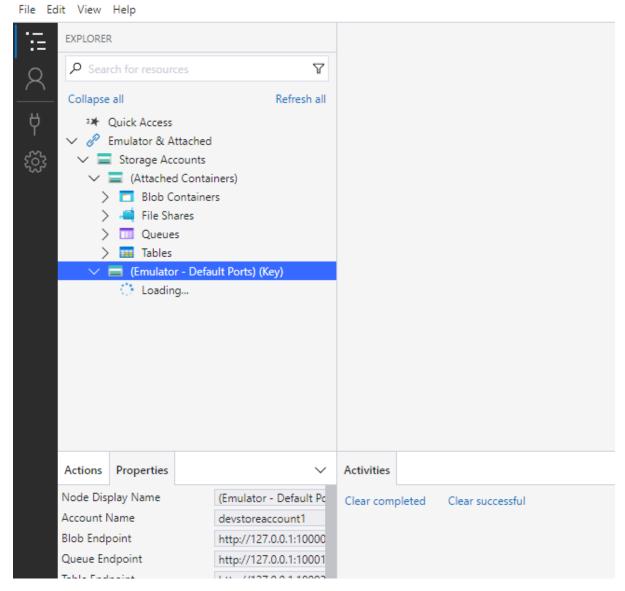


10) So as per interview if we have to provide access to any user for 2 hours then we can use Generate SAS method in container.

2) SEARCH - AZURE STORAGE EXLORER DOWNLOAD



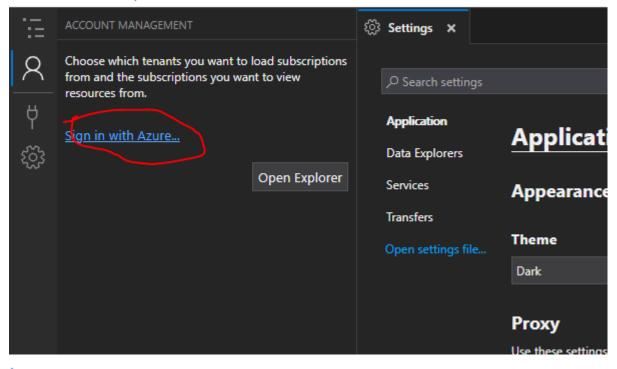


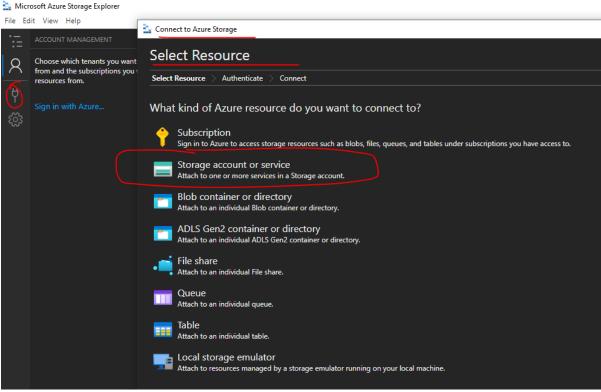


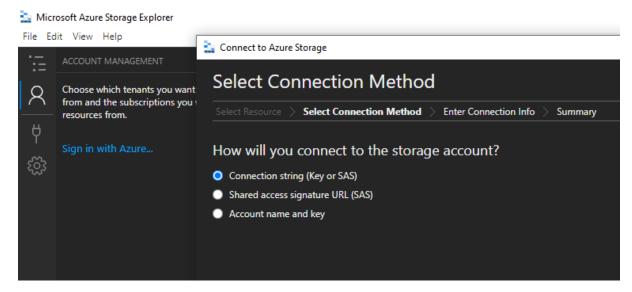
3) We can use different methods using explorer software to connect to storage account



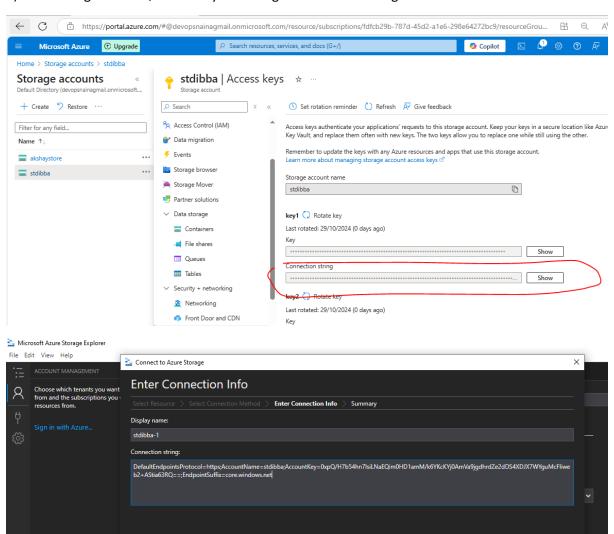
File Edit View Help

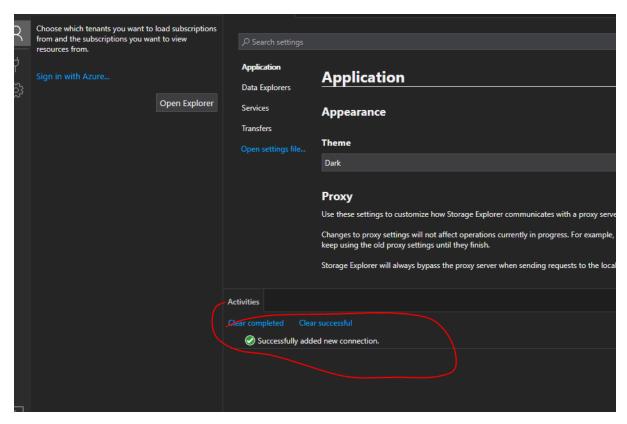




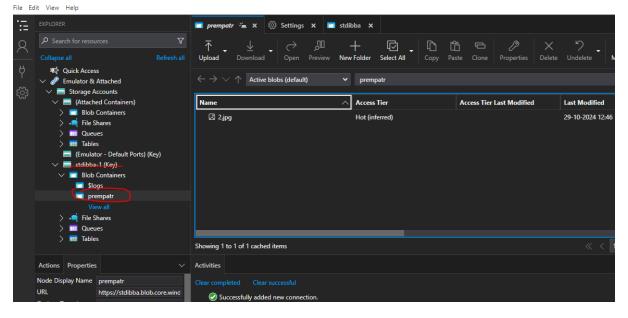


4) So in storage account, access keys we will get connection string

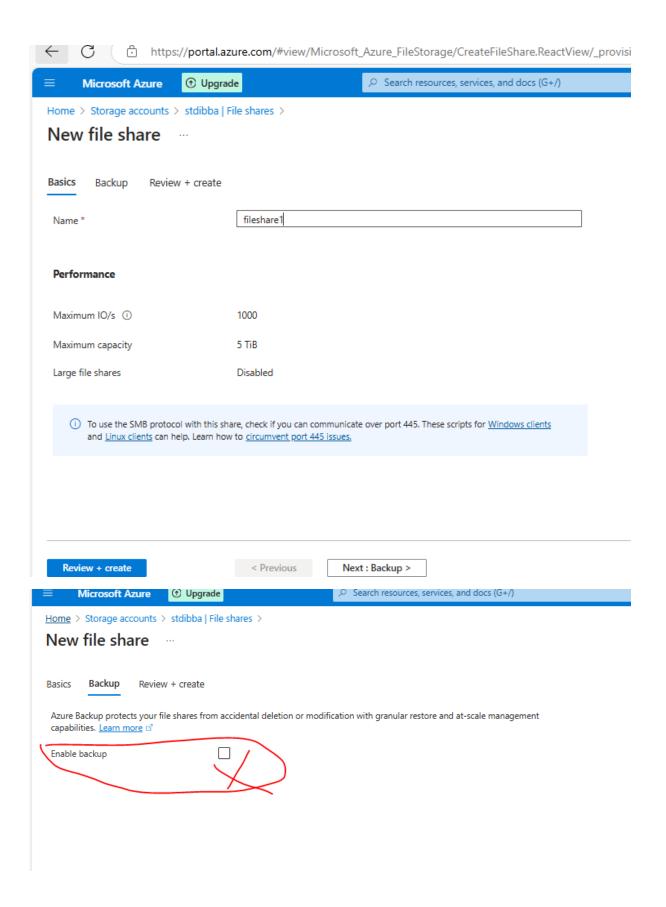


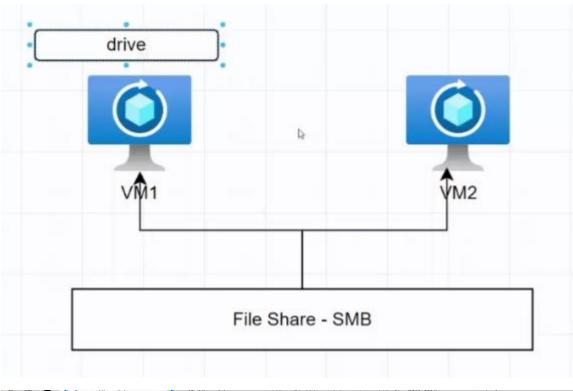


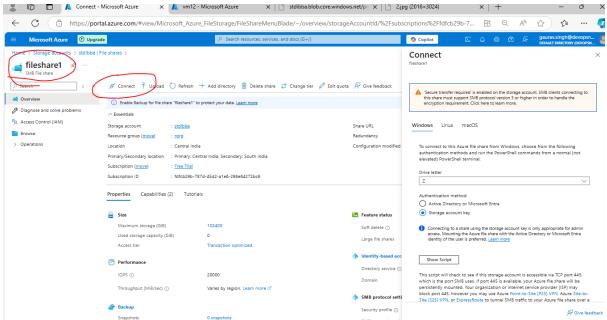
Microsoft Azure Storage Explorer

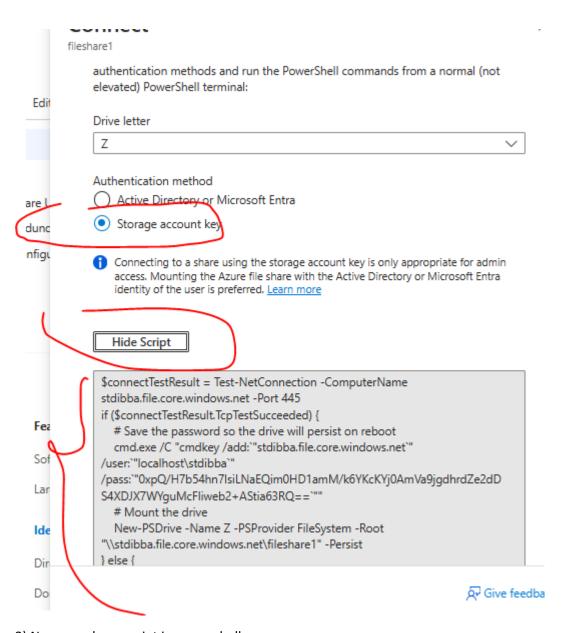


AGENDA – FILE SHARE

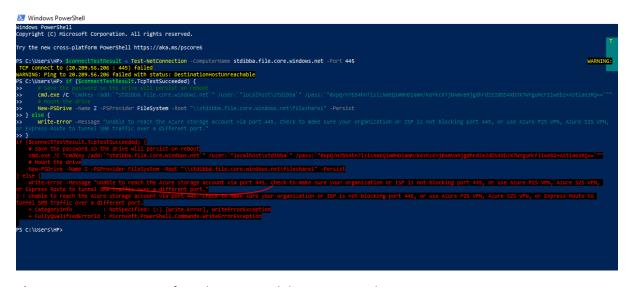




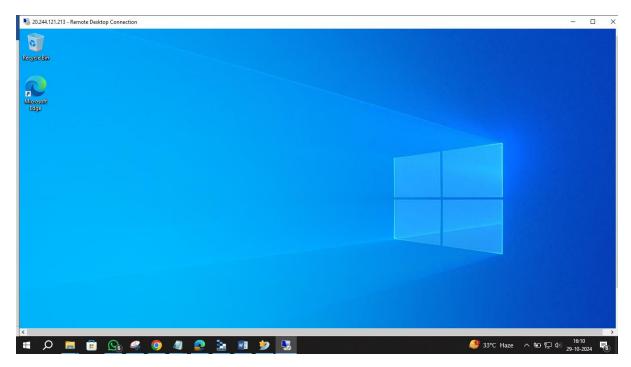




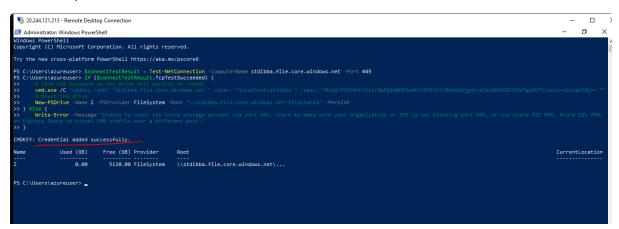
2) Now run above script in powershell



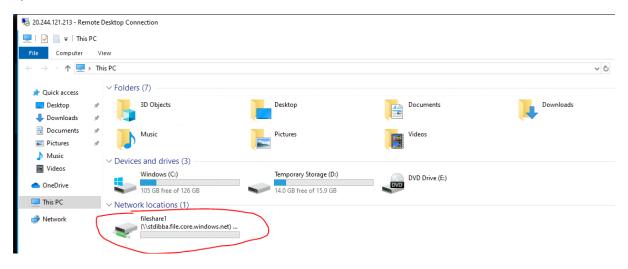
3) Now create a new vm of windows vm and do into it. Do rdp



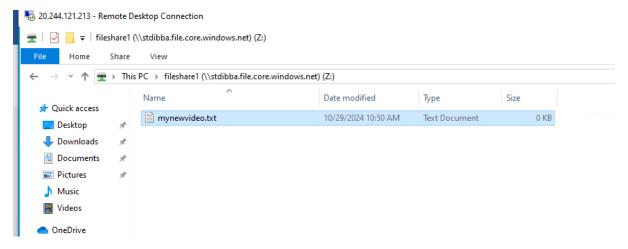
4) Copy and paste the file share script in powershell of vm by which credentials will be added successfully.



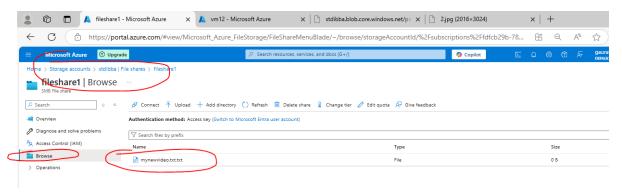
5) Now now a new file share disk is created



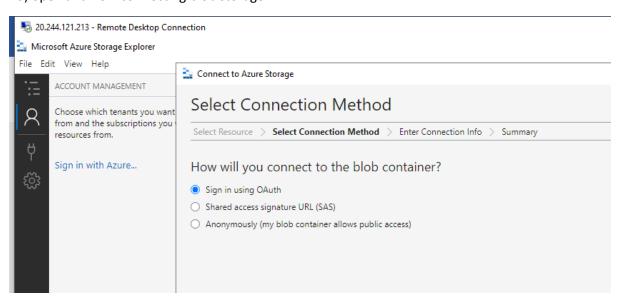
6) Go inside it and make a new file "mynewvideo.txt"



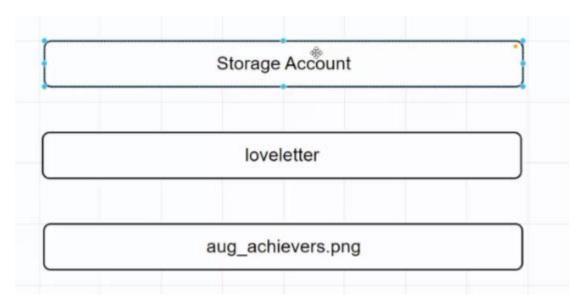
7) Now we can see on portal in "browse" of file share



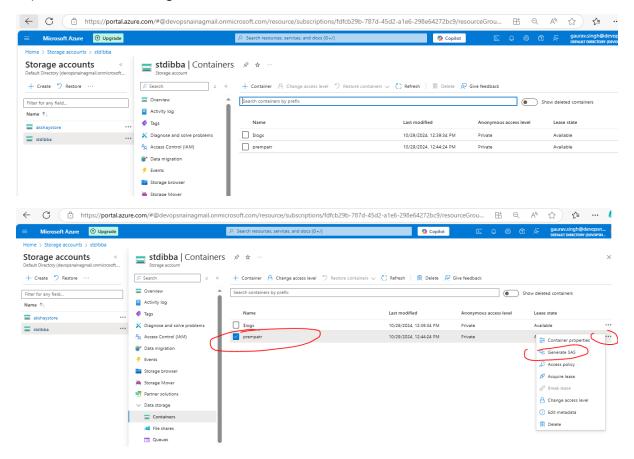
- 8) Now we can connect multiple computers using connect button so that many users can use a common place or location
- 9) In vm install azure storage explorer
- 10) open and now connecting blob storage

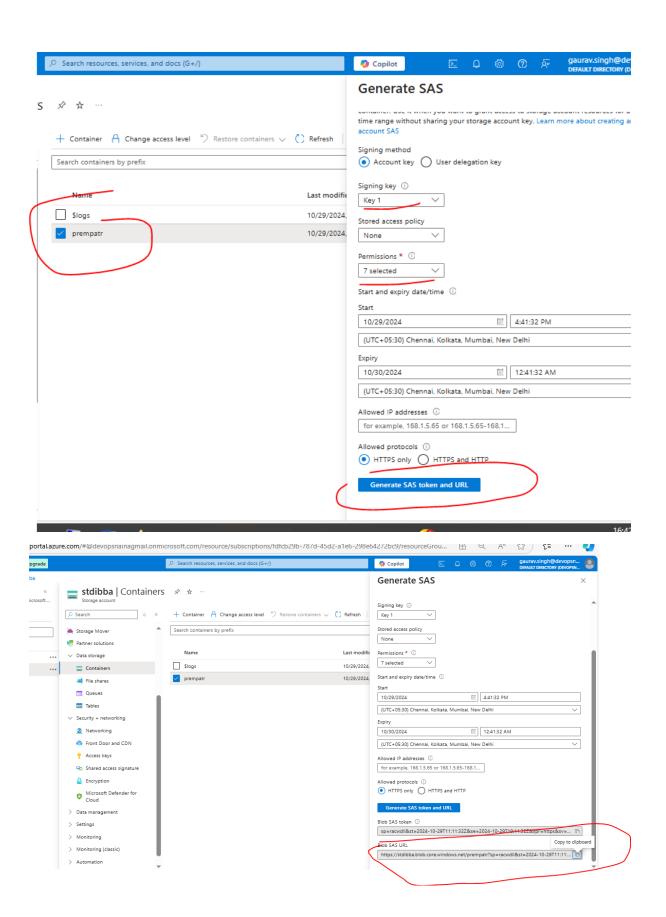


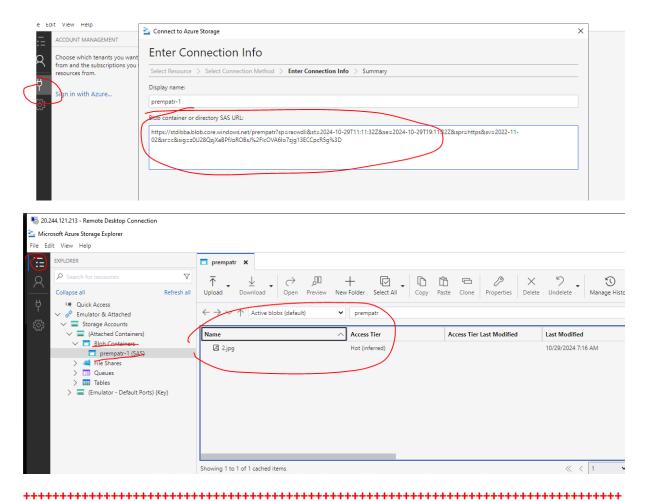
11) We get SAS access at 3 levels



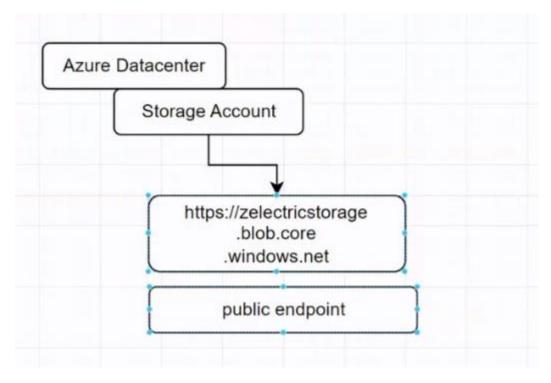
12) So now we are making sas for blob level



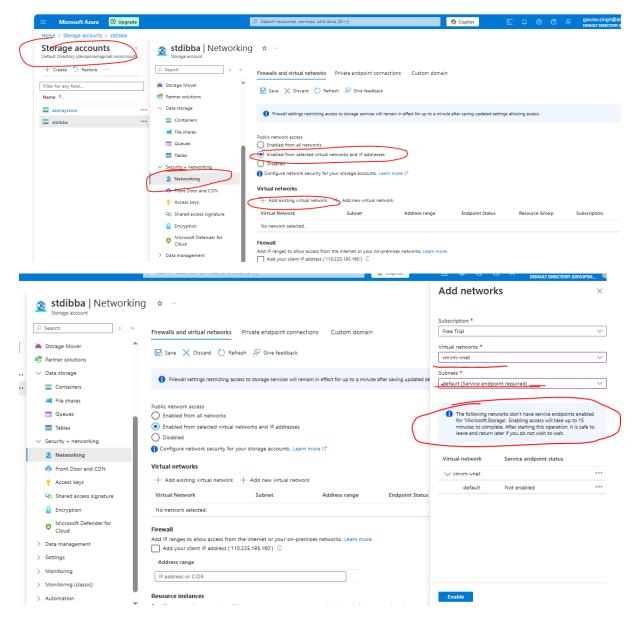




PAIN - Data can get loss as it uses public end point so use private end point



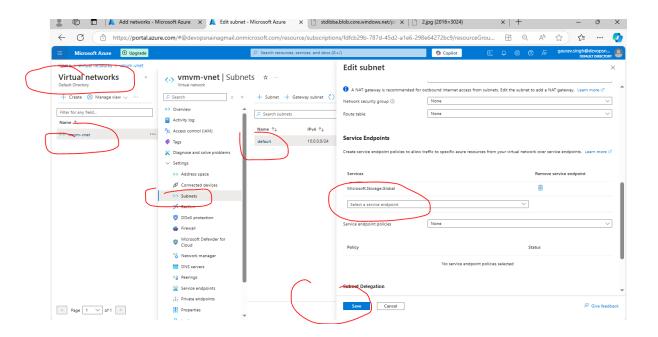
1) So now go to networking section and enable firewall so that only selected users can access



2) So as per above error doing service endpoint enabled. Go to vnet, subnet, default and add service end point



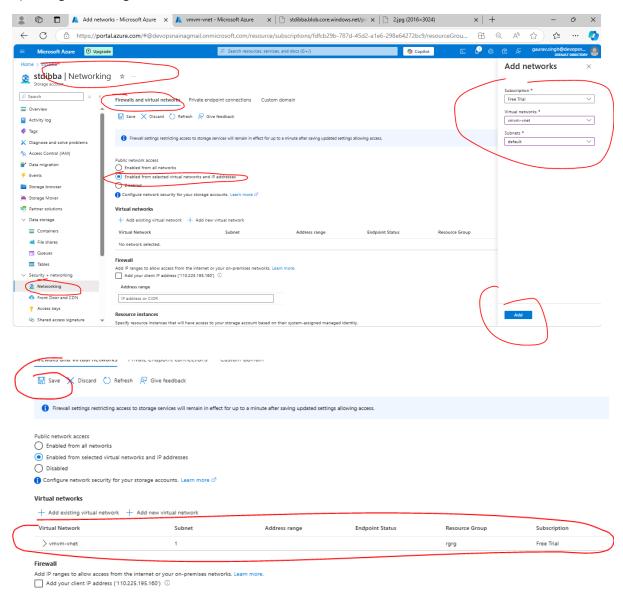
- 3) Do as below and for
- i) same same region take normal one service end point
- ii) for different regions take Microsoft one service end point



3) Now basically we have enabled a service end point inside our subnet

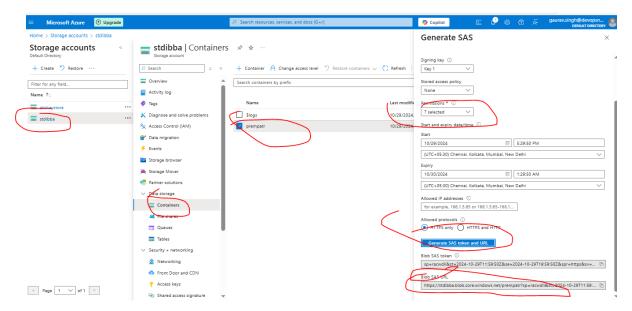


4) Now go to storage account

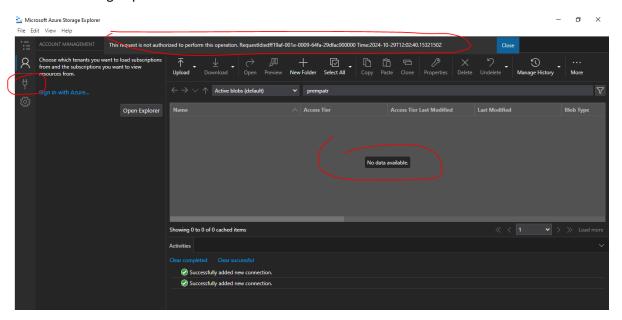


5) So now we have made our storage account little bit safe as now we will be able to access storage account through a specific subnet only

6) So now lets try to connect blob storage from our local computer

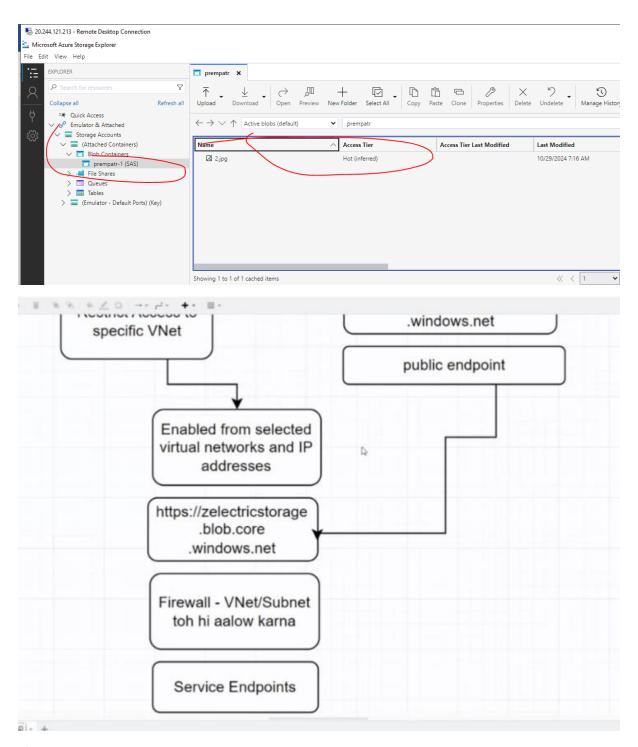


Select blob storage option



So it not showing anything

7) Now go to vm rdp and try to connect into it so we got that it is able to connect & access



8) But still problem is



Assignment for the Week

- 1. Azure Storage Account Encryption Methods
- 2. Azure Storage Account Authentication Methods
- 3. Azure Storage Account File Share Connect to VM
- Try to restrict connection to Storage Account using Service
 Endpoints