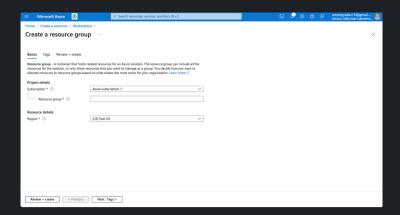
Azure Data Lake Storage Setup

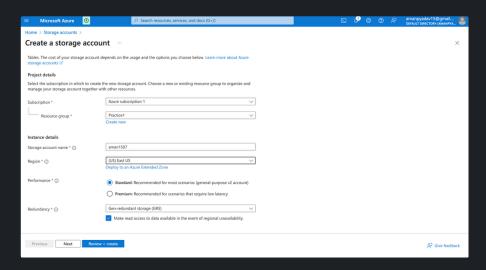
Step 1:

• Creating a resource group (This will help to manage your resources)

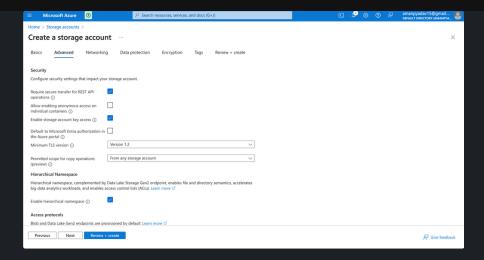


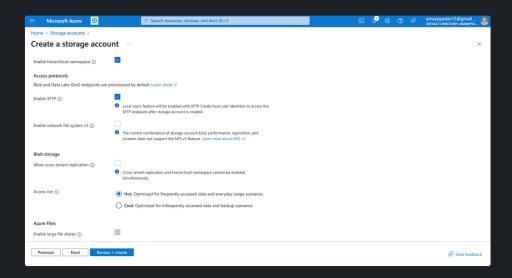
Step 2:

• Create a Storage Account with the following appropriate options selected. (Make sure to use only lowercase and numbers to write the Storage account Name)

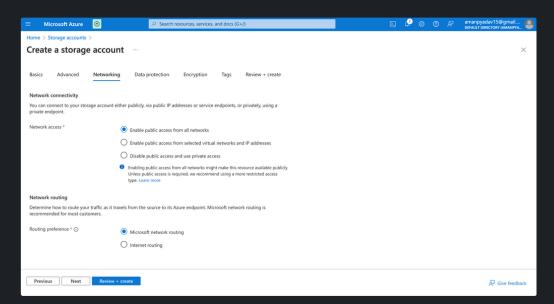


• Once you click on next, the advanced section will be shown, **make sure to enable Hierarchial namespacing** to enable Data Lake Storage Gen2 Features.



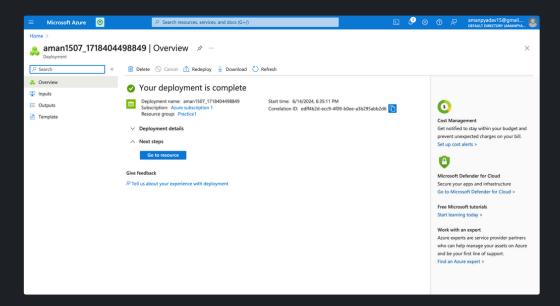


• In networking section we are just going with the predefined settings.



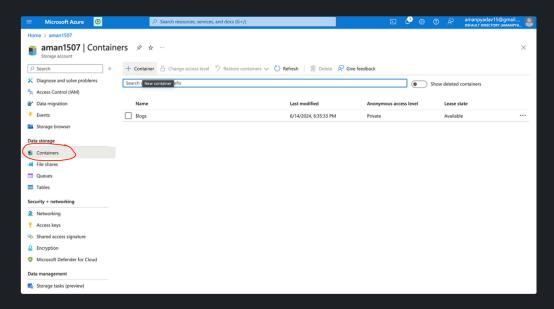
• Will do the same thing for the Data protection, Encryption and Tags section keeping the preset options.

• Once you click on **Review + create** → **create** it will start deploying your storage account and once it's deployed you will get an confirmation something like this.

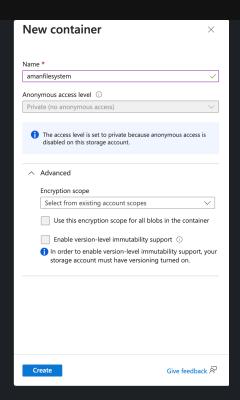


Step 3:

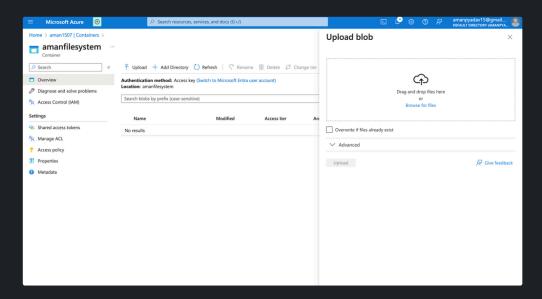
• Once the deployment is completed navigate to the storage account which you just created, navigate to the Data Storage Section under there select containers.



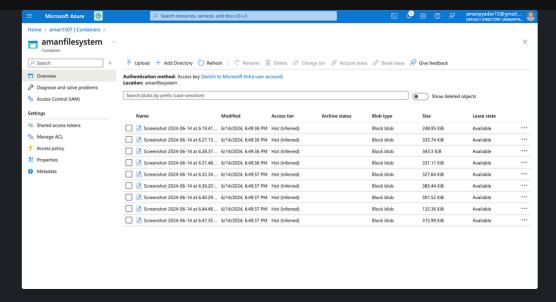
• Select "+Container" to create a new file system. write the name of your new container and click create.



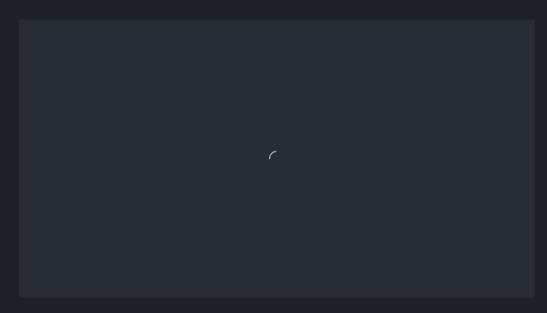
• Once that done navigate to the container which you just created and select **upload**. Upload your appropriate data files over here from your local machine.



• Once the upload has been complete you will see it in your file system.



- You can do similar step in the Azure Storage Explorer (needs to be downloaded locally on your machine).
- You can also add a directory by clicking on "+ Add Directory" next to upload to structure the data. In the below image I've created a sample directory in the name sampledir.



• We can change the tier of the data (assuming one data selected at a time) .

• Tier options available are as follow:

	Hot	Cool	Cold	Archive
	Low and consistent Latency data	Frequently Accessed Data	Less Frequently accessed Data	Rarely Accessed Data
Retrieve time	Immediate	Immediate	Immediate	Long time "hours"
Use Case	Interactive Transaction telemetry	Cloud native application data storage	Repository for Server Backups	Archiving Data
Price	Very High	High	Cheap	Very Cheap
Minimum recommended data retention period	N/A	30 days	90 days	180 days

• We can also configure ACL to manage permission for users and applications which you can find under the **setting** section as **Manage ACL**.

