IT4090
Cloud Computing
4th Year, 2nd Semester

Azure Lab 2

Attach a new disk

Submitted to

Sri Lanka Institute of Information Technology

IT21510380

In partial fulfillment of the requirements for the

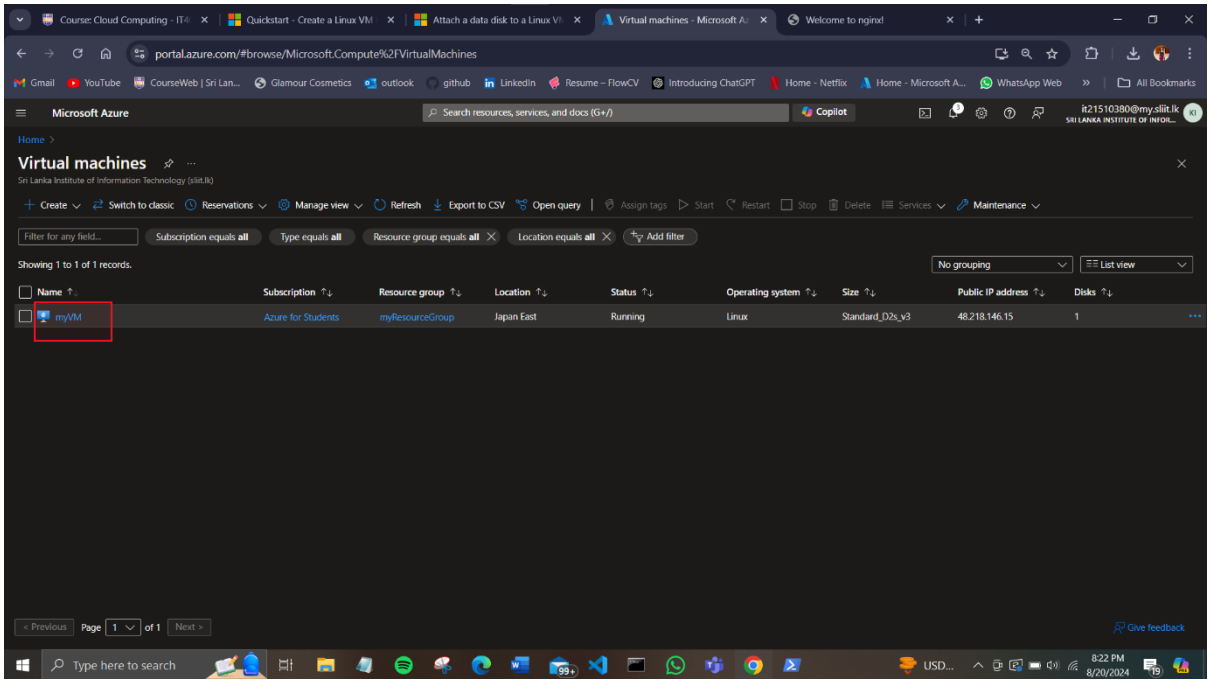
Bachelor of Science Special Honors Degree in Information Technology

August 2024

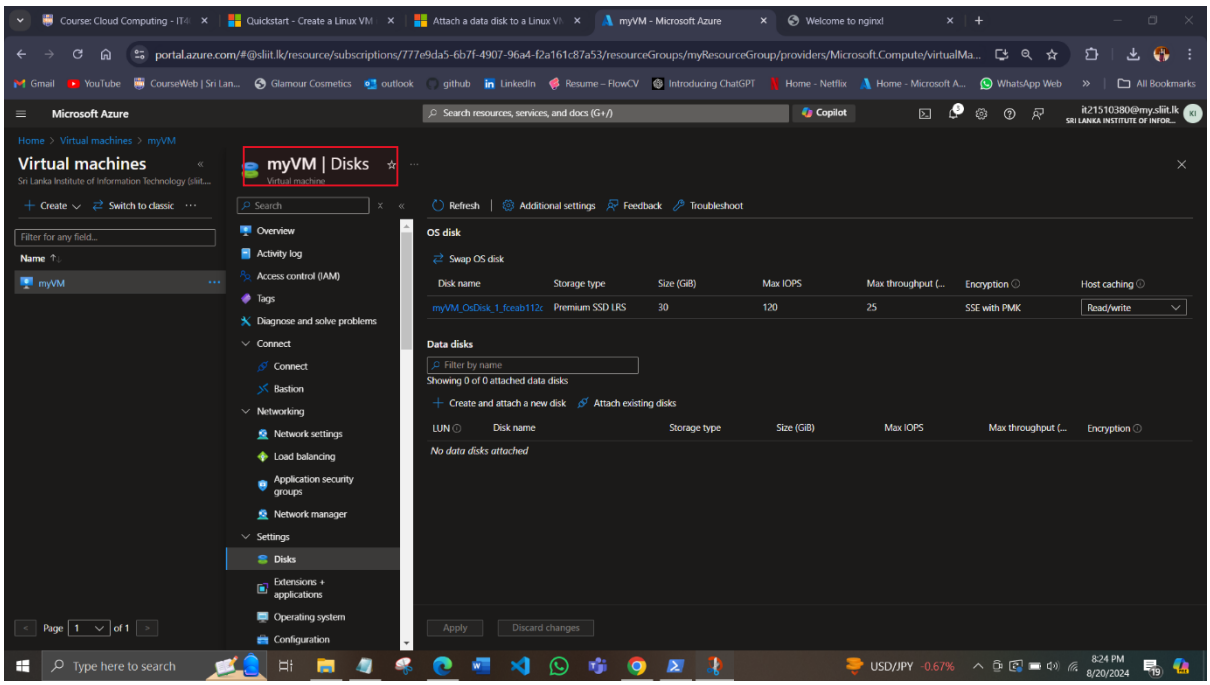
Find the virtual machine

Follow these steps:

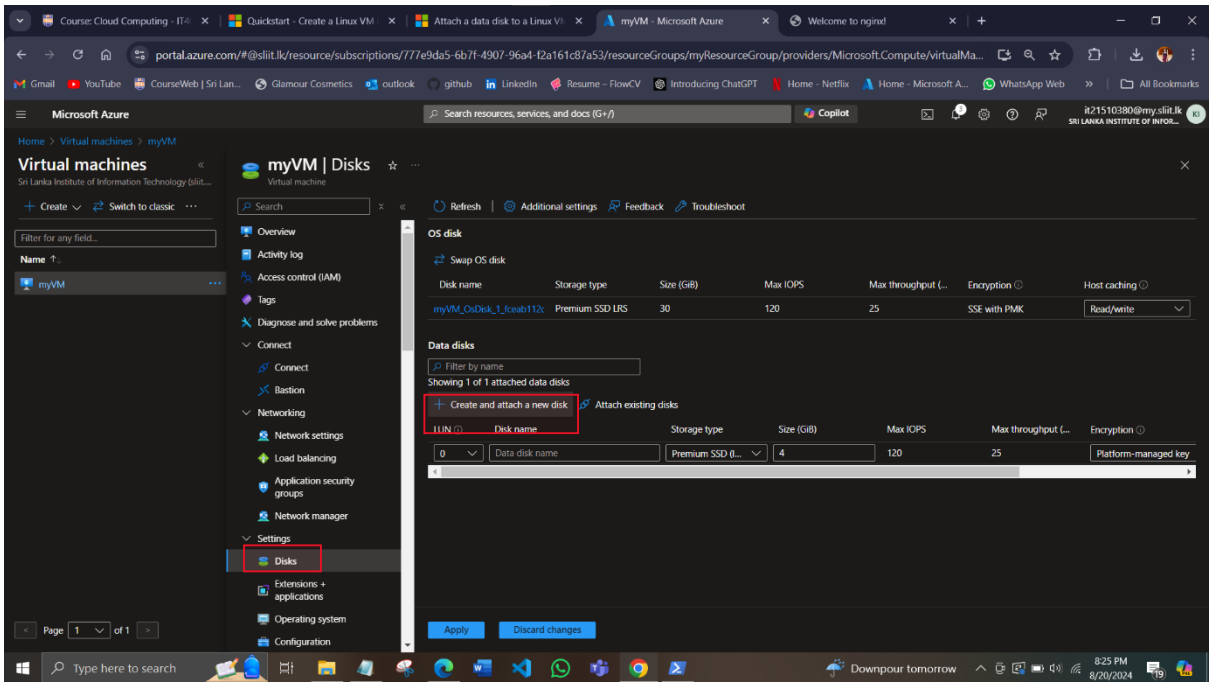
1. Go to the **Azure portal** to find the VM. Search for and select **Virtual machines**.



2. Select the VM you'd like to attach the disk to from the list.



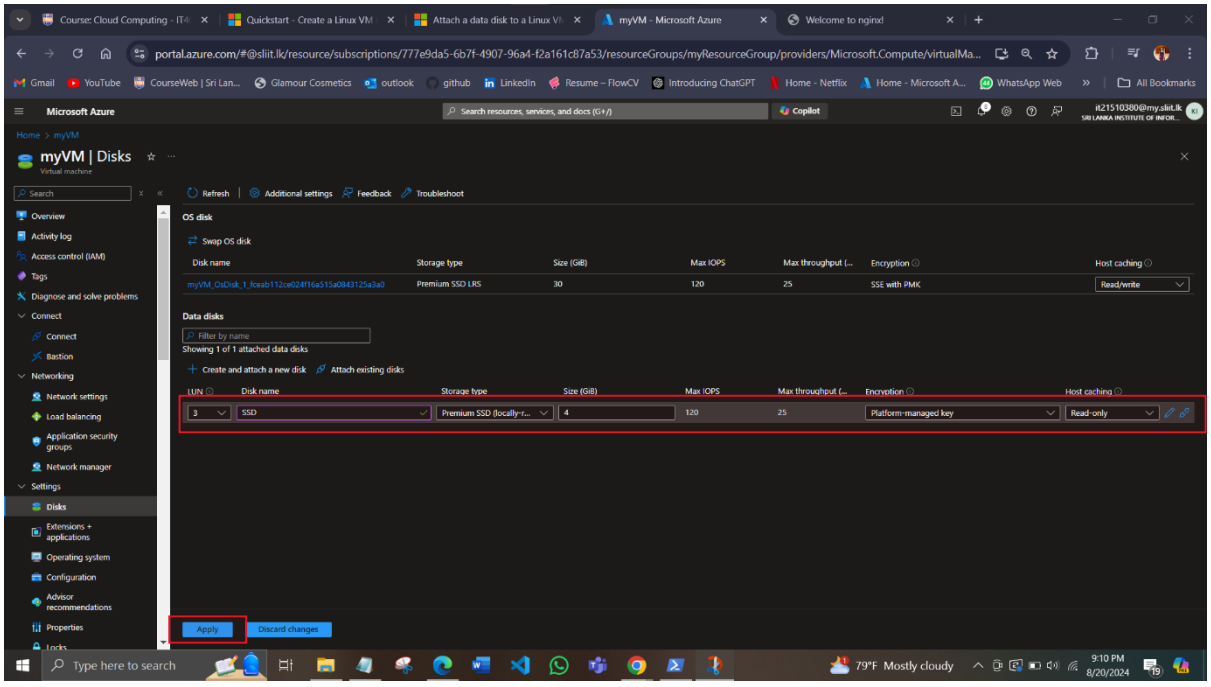
3. In the **Virtual Machines** page, under **Settings**, select **Disks**,

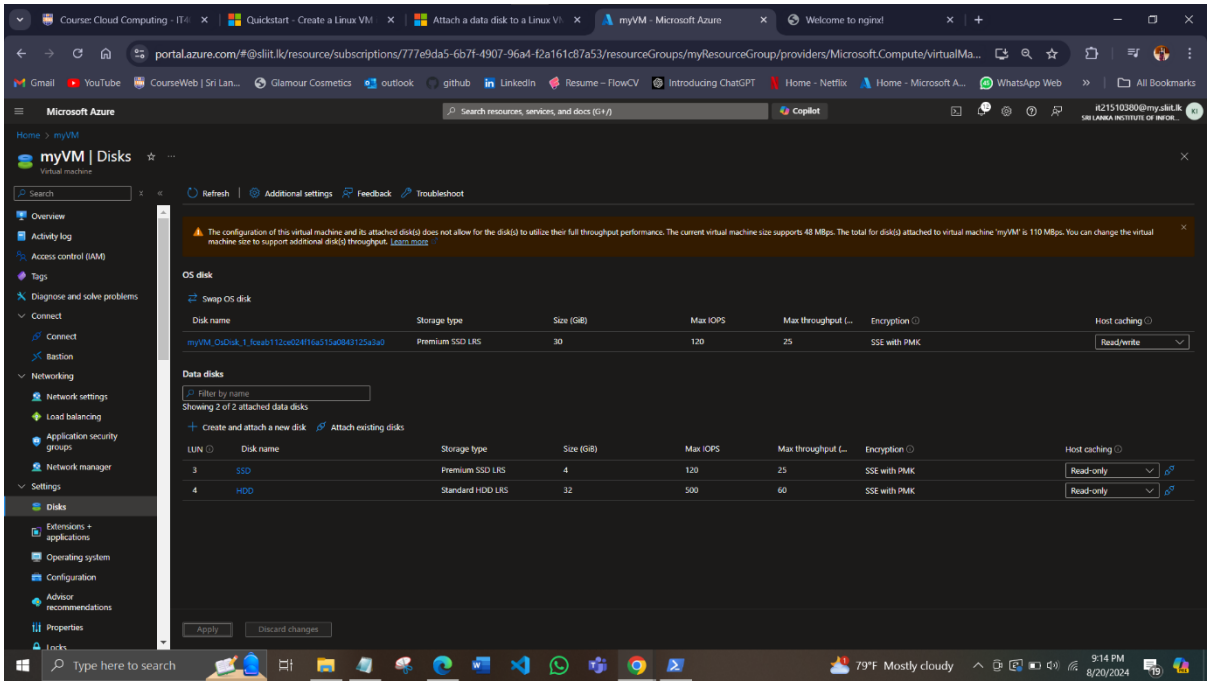


Attach a new disk

Follow these steps:

1. On the **Disks** pane, under **Data disks**, select **Create and attach a new disk,** Enter a name for your managed disk. Review the default settings, and update the **Storage type, Size (GiB), Encryption, and Host caching as necessary.**

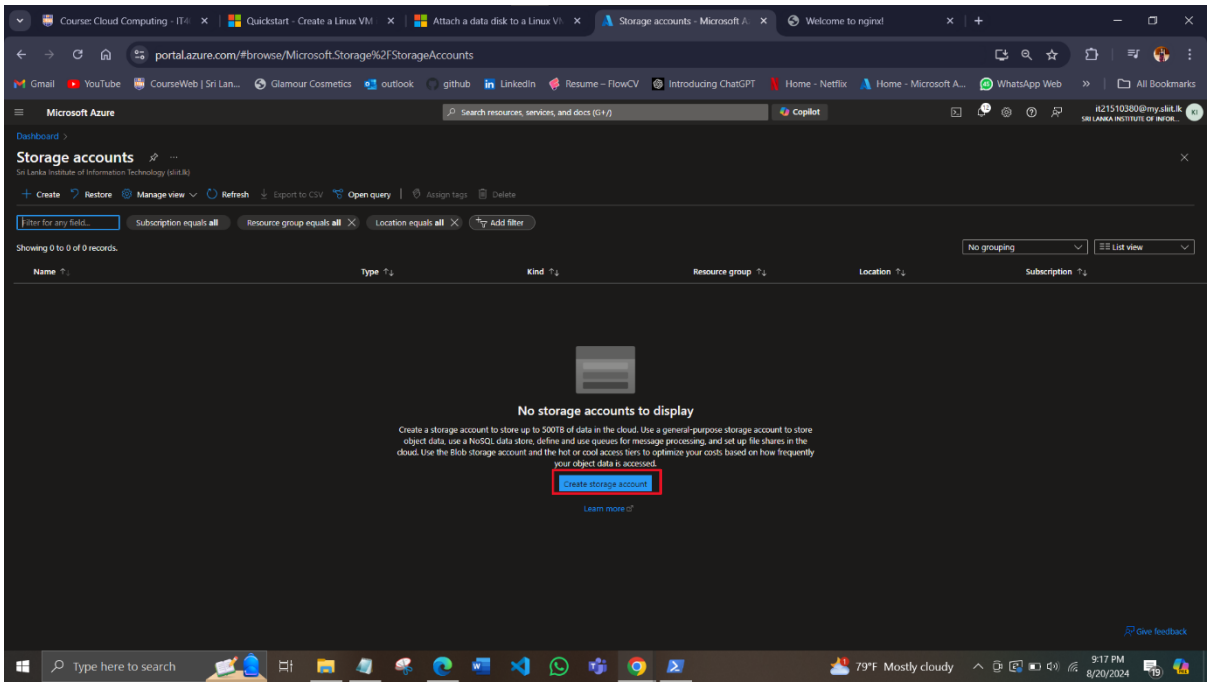




Create a storage account

Follow these steps:

1. Under **Azure services**, select **Storage accounts**. Select **+ Create** to create a storage account.

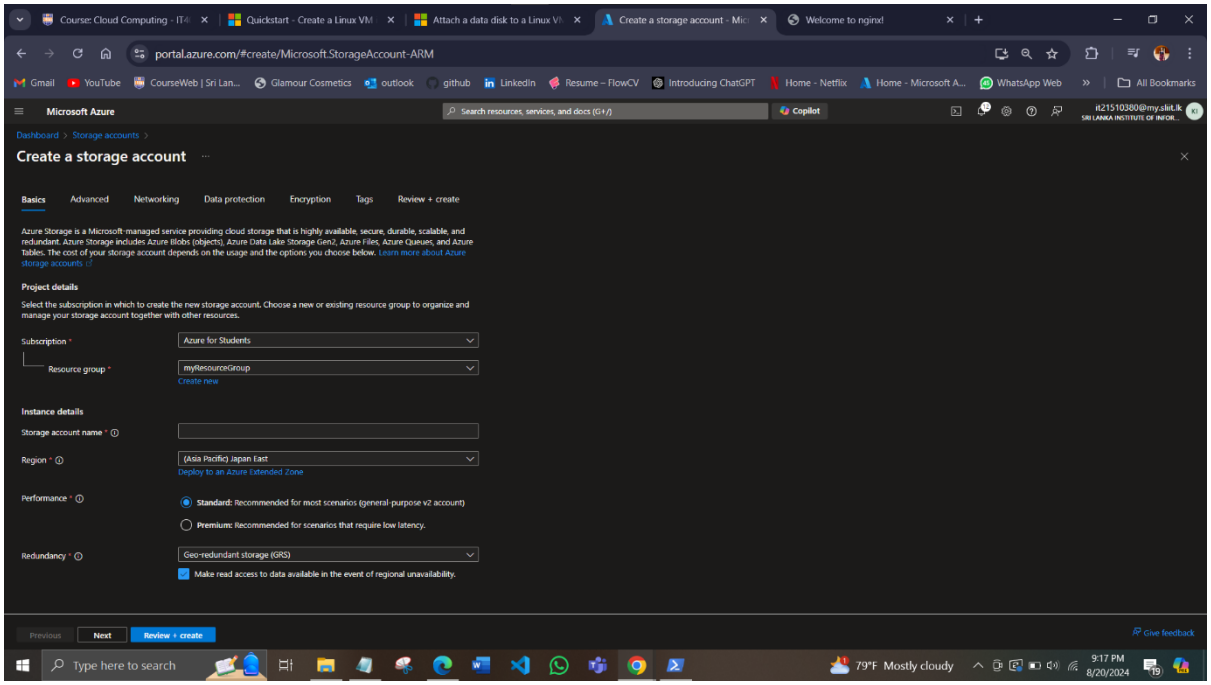


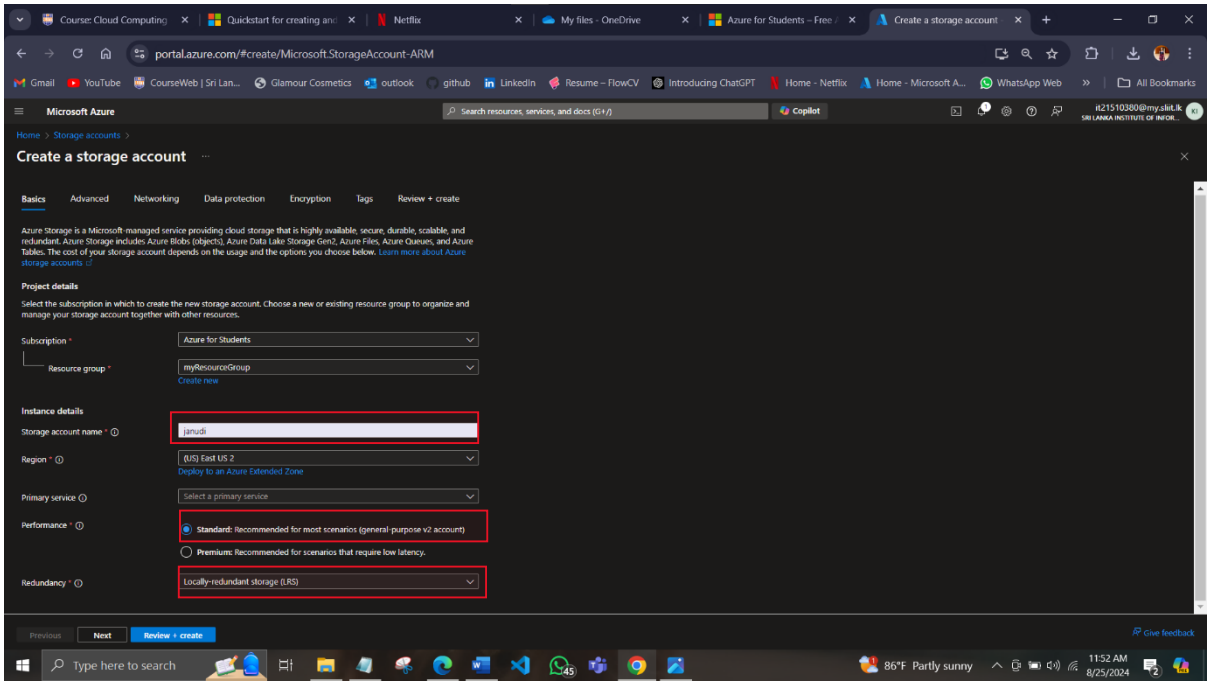
2. Under **Instance details**, provide a name for the storage account.

3. In **Region**, select the region you want to create your storage account in.

4. In **Performance**, keep the default value of **Standard**.

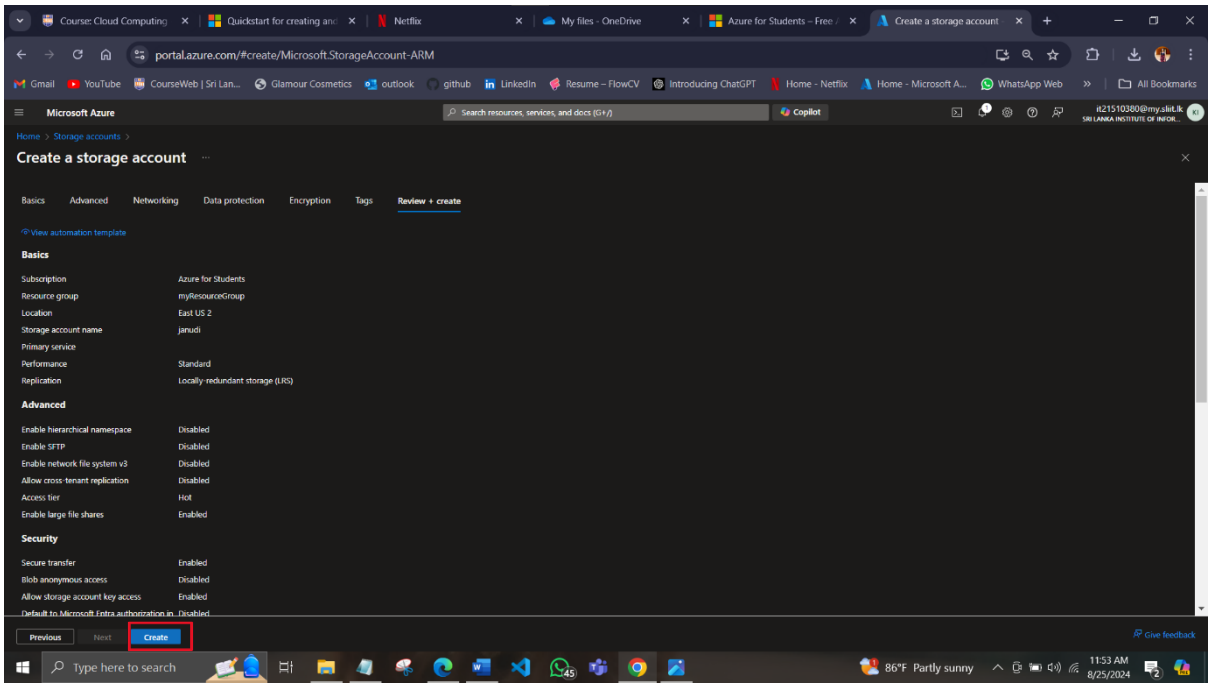
5. In **Redundancy**, select **Locally redundant storage (LRS)**.

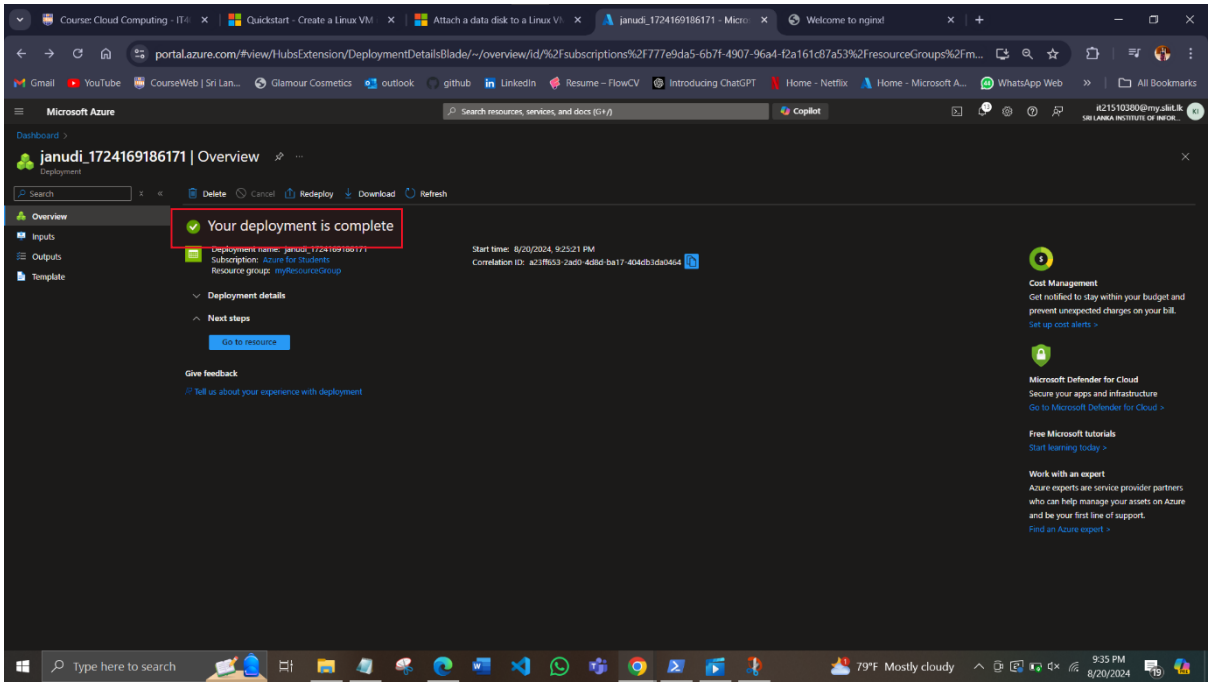




6. Select **Review** to review your settings. Azure will run a final validation.

7. When validation is complete, select **Create**. You should see a notification that deployment is in progress.

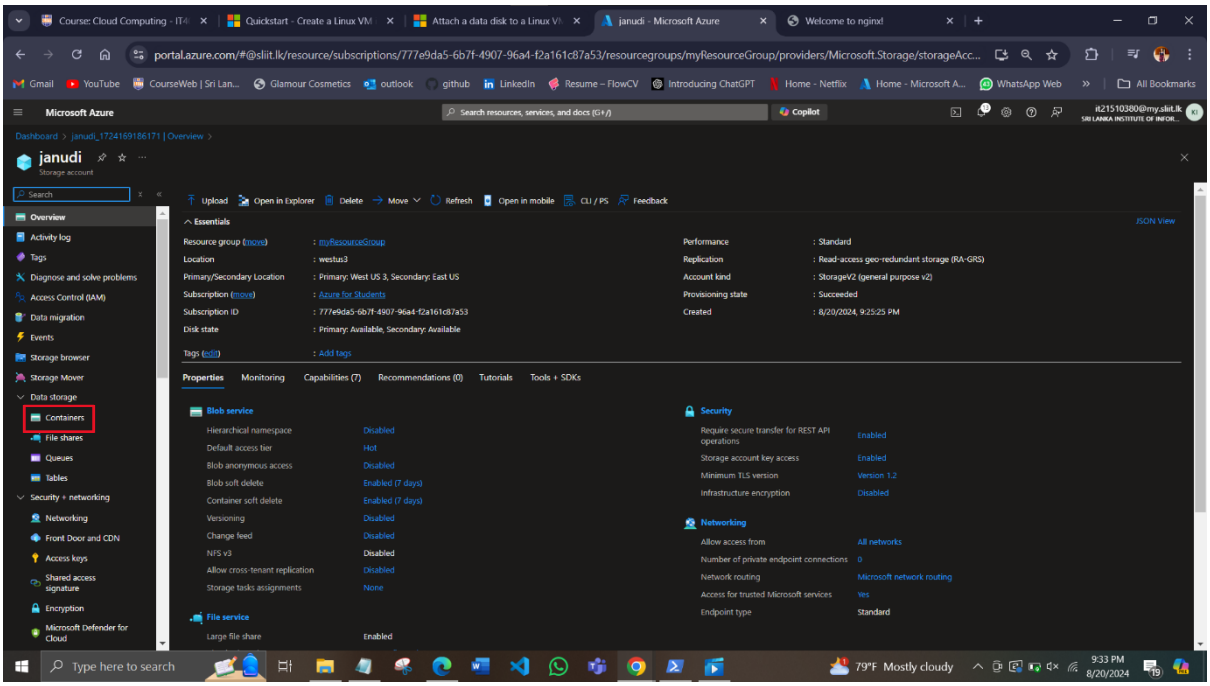




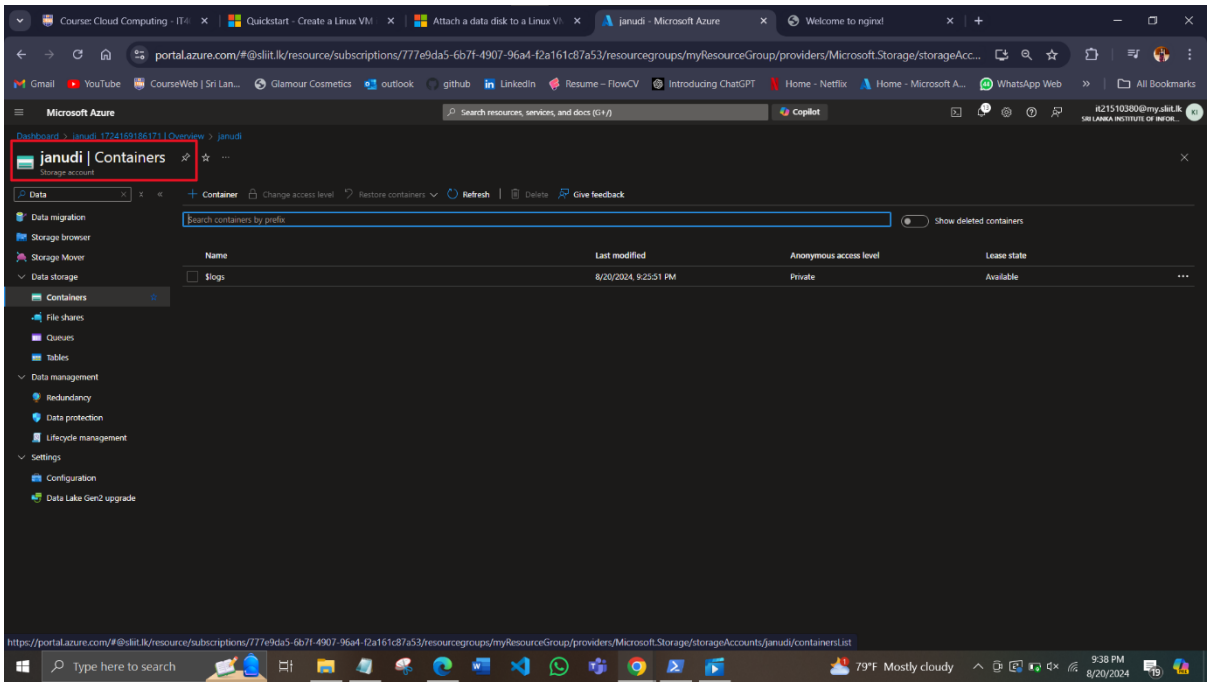
Create a container

Follow these steps:

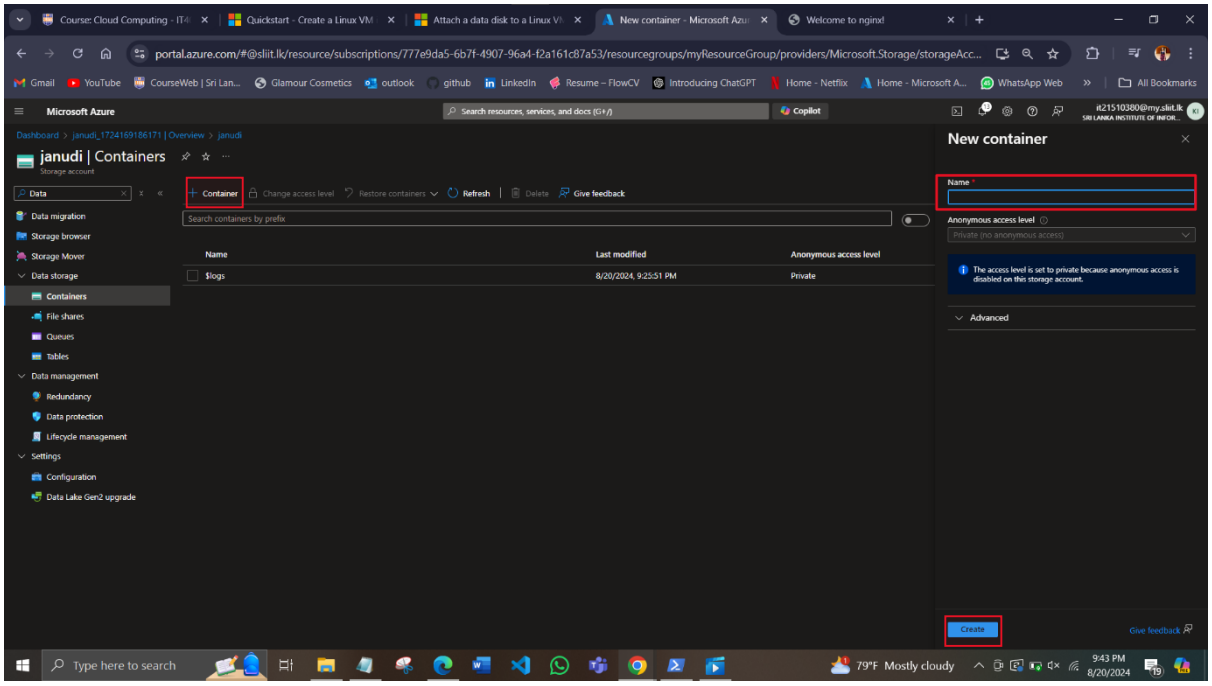
1. Navigate to your new storage account in the Azure portal.



2. In the left menu for the storage account, scroll to the **Data storage** section, then select **Containers**.



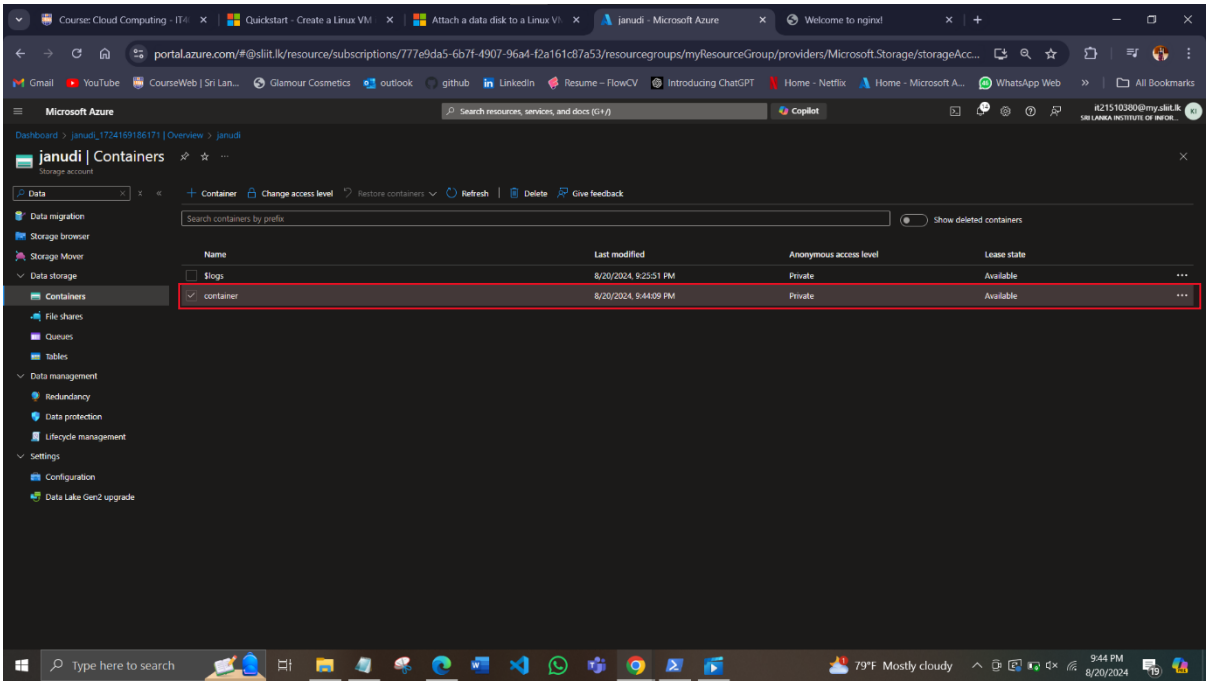
3. Select the + **Container** button.



4. Type a name for your new container.

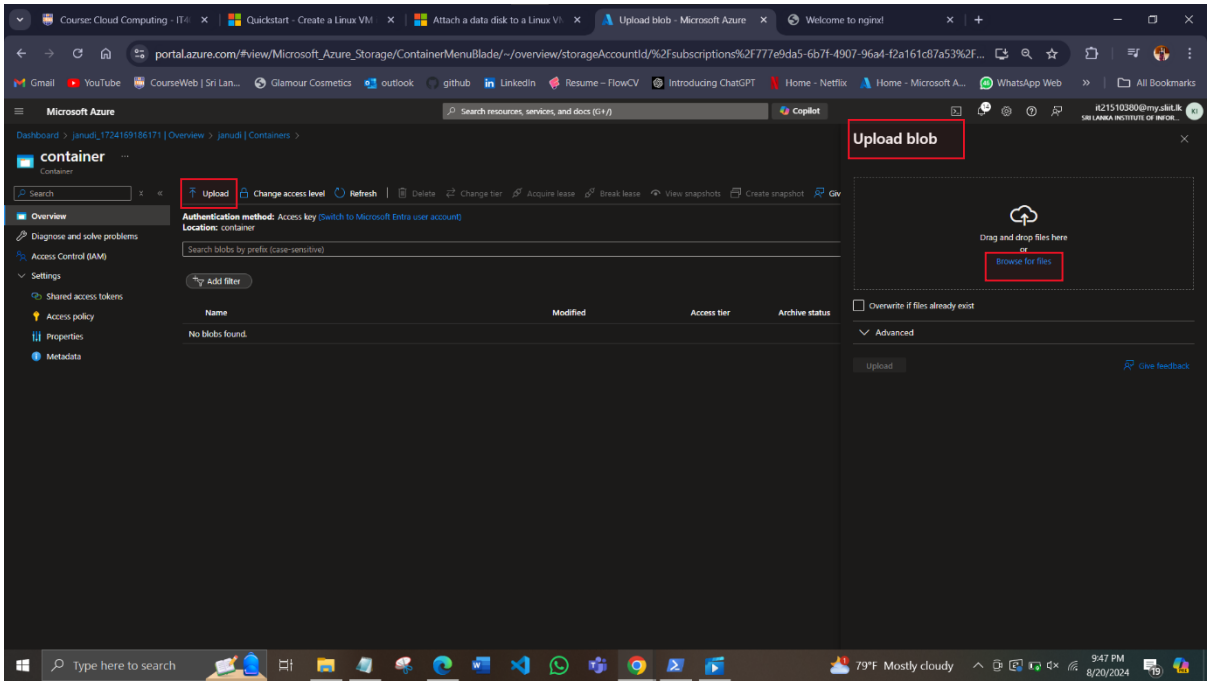
5. Set the level of anonymous access to the container. The default level is **Private (no anonymous access)**.

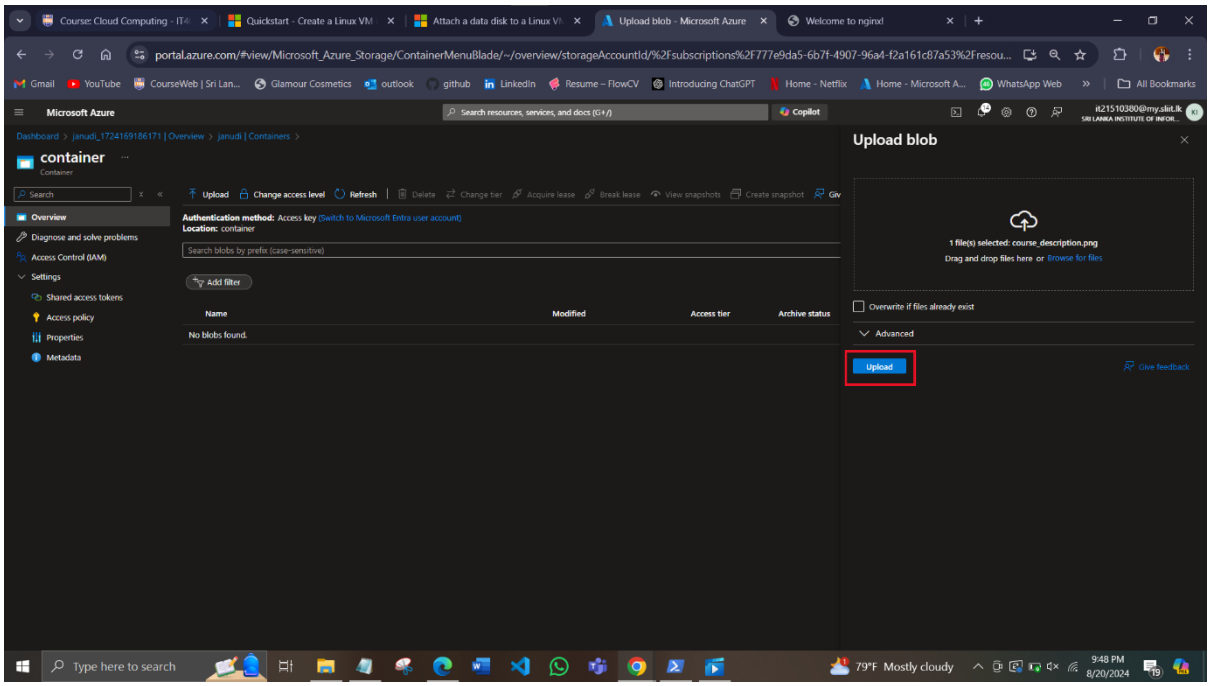
6. Select **Create** to create the container

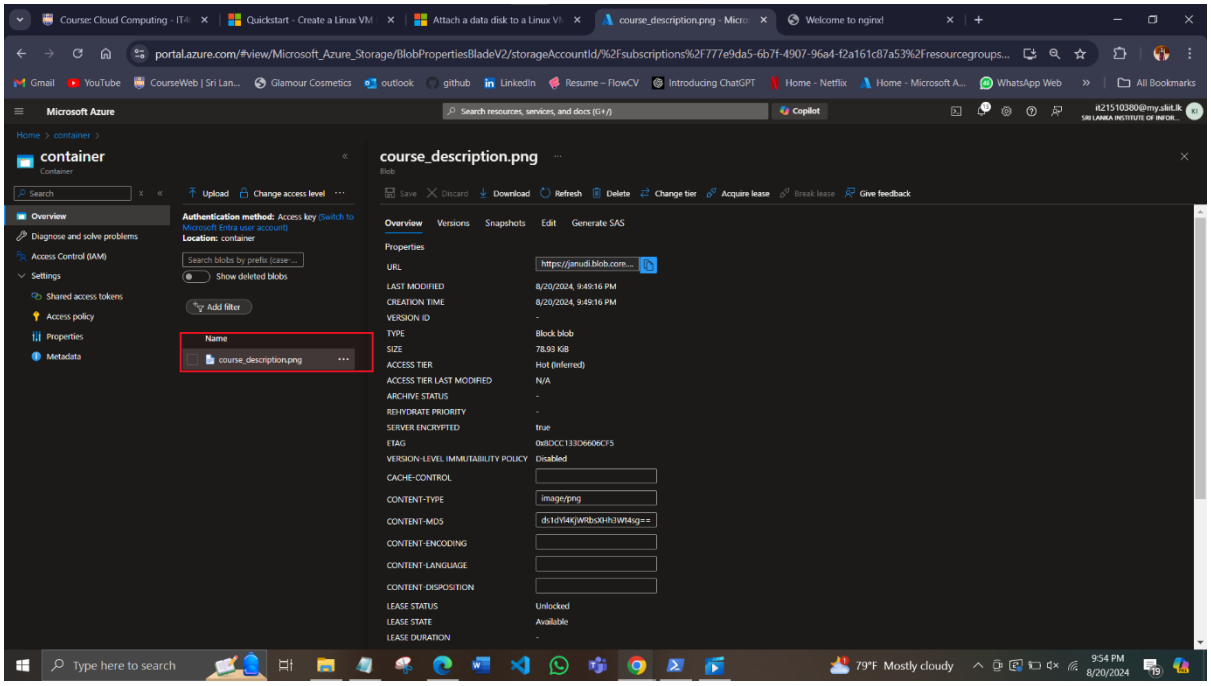


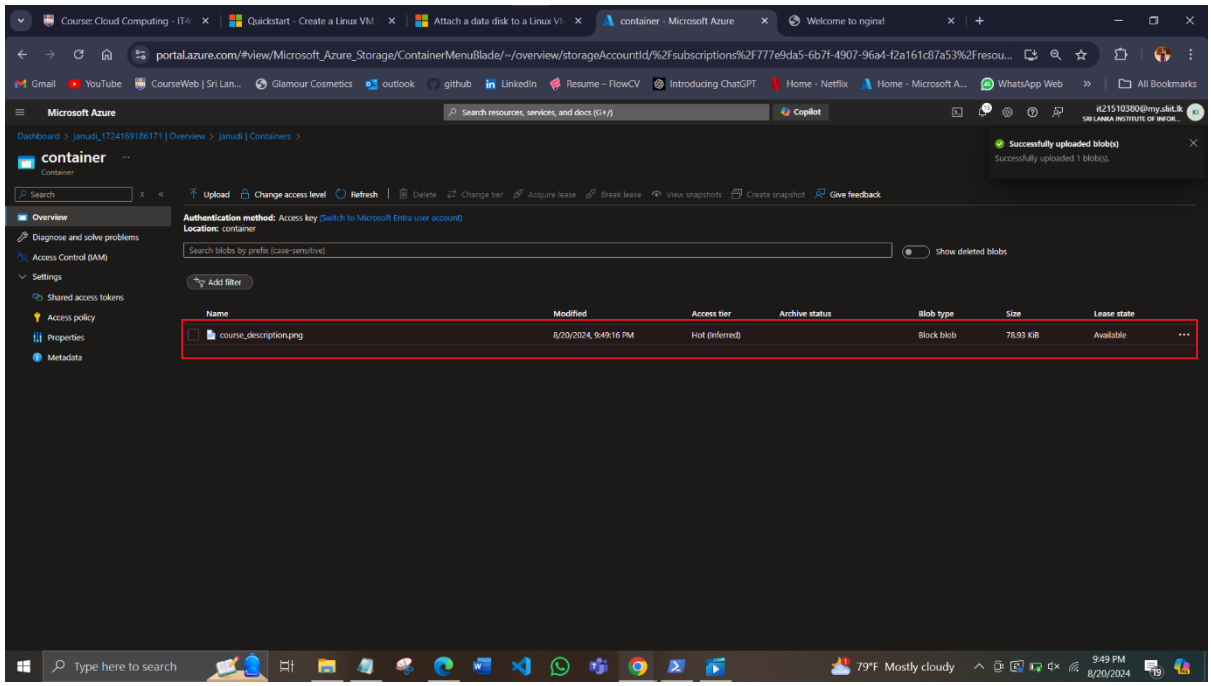
Upload a block blob

1. Select the **Upload** button to open the upload blade and browse your local file system to find a file to upload as a block blob.






Course: Cloud Computing - IT4
Quickstart - Create a Linux VM
Attach a data disk to a Linux VM
course_description.png - Micro
Welcome to nginx!
portal.azure.com/#view/Microsoft_Azure_Storage/BlobPropertiesBladeV2/storageAccountId/%2Fsubscriptions%2F777e9da5-6b7f-4907-96a4-f2a161c87a53%2Fresourcegroups...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > container >
container
Container
course_description.png
Blob
Upload
Change access level
Save
Discard
Download
Refresh
Delete
Change tier
Acquire lease
Break lease
Give feedback
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: container
Search blobs by prefix (case-...
Show deleted blobs
Add filter
Name
course_description.png
Overview
Versions
Snapshots
Edit
Generate SAS
Properties
URL
https://januidi.blob.core...
LAST MODIFIED
8/20/2024, 9:49:16 PM
CREATION TIME
8/20/2024, 9:49:16 PM
VERSION ID
TYPE
Block blob
SIZE
78.93 KiB
ACCESS TIER
Hot (Inferred)
ACCESS TIER LAST MODIFIED
N/A
ARCHIVE STATUS
REHYDRATE PRIORITY
SERVER ENCRYPTED
true
ETAG
0x8DCC133D6606CF5
VERSION-LEVEL IMMUTABILITY POLICY
Disabled
CACHE-CONTROL
CONTENT-TYPE
image/png
CONTENT-MD5
ds1dYl4KjWRbs0Hh3Wt4sg==
CONTENT-ENCODING
CONTENT-LANGUAGE
CONTENT-DISPOSITION
LEASE STATUS
Unlocked
LEASE STATE
Available
LEASE DURATION
Type here to search
79°F Mostly cloudy
9:54 PM
8/20/2024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Attach a data disk to a Linux VM
container - Microsoft Azure
Welcome to nginx!
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F777e9da5-6b7f-4907-96a4-f2a161c87a53%2Fresou...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Dashboard > januidi_1724169186171 | Overview > januidi | Containers >
container
Container
Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
View snapshots
Create snapshot
Give feedback
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Authentication method: Access key (Switch to Microsoft Entra user account)
Location: container
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter
Name
Modified
Access tier
Archive status
Blob type
Size
Lease state
course_description.png
8/20/2024, 9:49:16 PM
Hot (Inferred)
Block blob
78.93 KiB
Available
Type here to search
79°F Mostly cloudy
9:49 PM
8/20/2024

Clean up resources