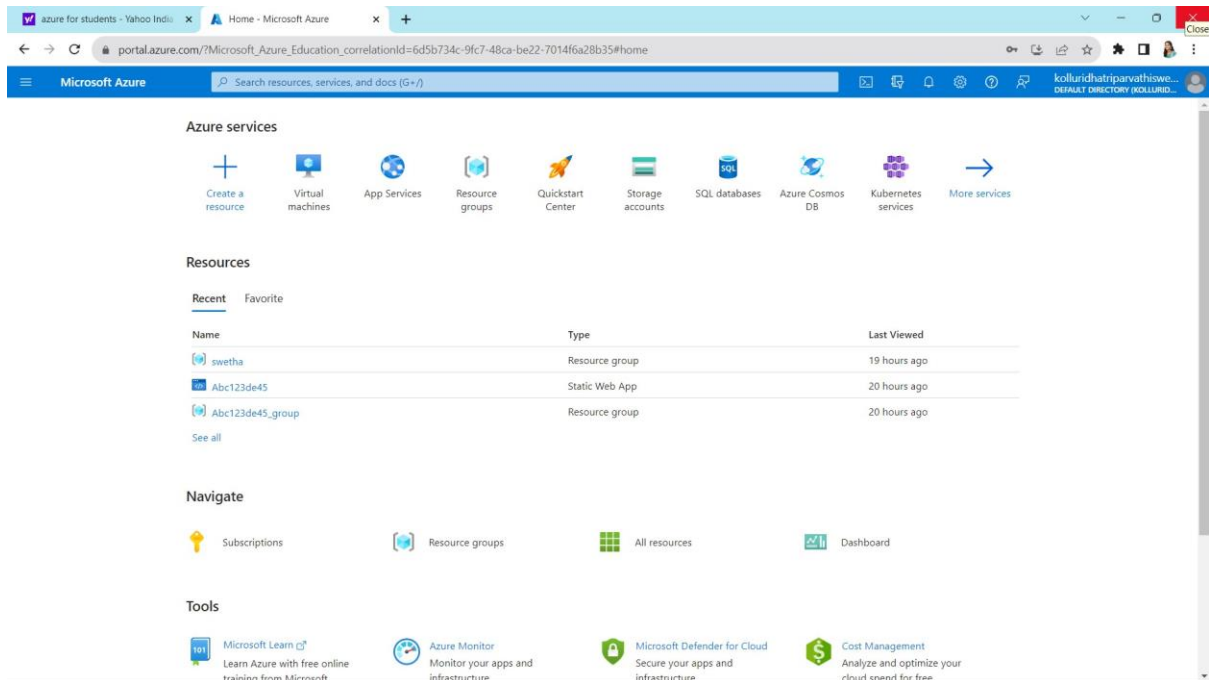


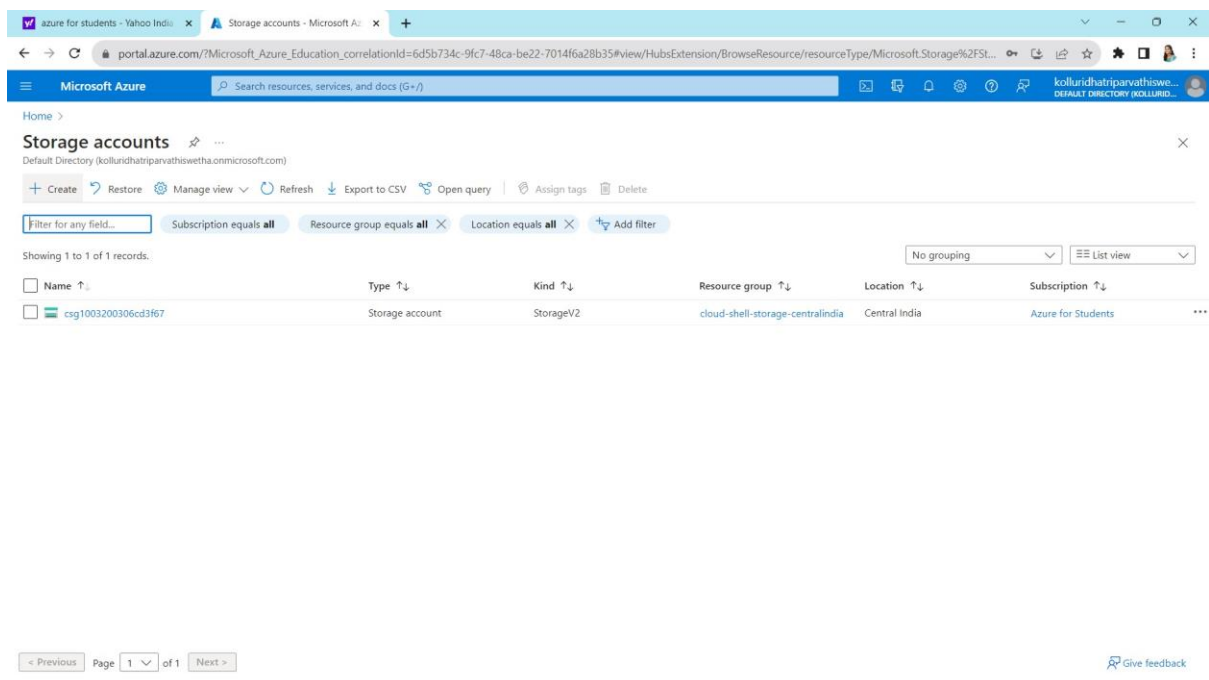
## EXPERIMENT 16

Demonstrate Storage as a Service (SaaS) create and configure a new VM Image in any Public Cloud Service Provider

Click on storage accounts



Click on create



## Fill up the required details

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The 'Basics' tab is selected, and the following details are filled in:

- Subscription:** Azure for Students
- Resource group:** Abc123de45\_group (with a 'Create new' link below it)
- Storage account name:** vm1
- Region:** (Asia Pacific) South India (with a 'Deploy to an edge zone' link below it)
- Performance:** Standard (Recommended for most scenarios (general-purpose v2 account))
- Redundancy:** Geo-redundant storage (GRS) (with a checked box for 'Make read access to data available in the event of regional unavailability')

At the bottom, there is a 'Review' button, a '< Previous' button, and a 'Next : Advanced >' button. A 'Give feedback' link is also present in the bottom right corner.

## Click on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, with the 'Advanced' tab selected. A message at the top states: 'Certain options have been disabled by default due to the combination of storage account performance, redundancy, and region.'

**Security**

Configure security settings that impact your storage account.

- Require secure transfer for REST API operations:** ☒
- Allow enabling anonymous access on individual containers:** ☐
- Enable storage account key access:** ☒
- Default to Azure Active Directory authorization in the Azure portal:** ☐
- Minimum TLS version:** Version 1.2
- Permitted scope for copy operations (preview):** From any storage account

At the bottom, there is a 'Review' button, a '< Previous' button, and a 'Next : Networking >' button. A 'Give feedback' link is also present in the bottom right corner.

Click on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The 'Networking' tab is selected. The page includes a 'Network access' section with three radio button options: 'Enable public access from all networks' (selected), 'Enable public access from selected virtual networks and IP addresses', and 'Disable public access and use private access'. Below this is a 'Network routing' section with two radio button options: 'Microsoft network routing' (selected) and 'Internet routing'. At the bottom, there is a 'Review' button, a '< Previous' button, and a 'Next : Data protection >' button. A 'Give feedback' link is also present.

Click on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, with the 'Data protection' tab selected. The 'Recovery' section is visible, containing three checkboxes: 'Enable point-in-time restore for containers' (unchecked), 'Enable soft delete for blobs' (checked), and 'Enable soft delete for containers' (checked). Each checked option has a 'Days to retain deleted' input field set to '7'. There are also links to 'Learn more' for each option. At the bottom, there is a 'Review' button, a '< Previous' button, and a 'Next : Encryption >' button. A 'Give feedback' link is also present.

## Click on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The 'Encryption' tab is selected. The page includes the following elements:

- Navigation:** Home > Storage accounts > Create a storage account.
- Tabs:** Basics, Advanced, Networking, Data protection, **Encryption**, Tags, Review.
- Encryption type:** ☒ Microsoft-managed keys (MMK), ☐ Customer-managed keys (CMK).
- Enable support for customer-managed keys:** ☒ Blobs and files only, ☐ All service types (blobs, files, tables, and queues). A warning icon indicates: 'This option cannot be changed after this storage account is created.'
- Enable infrastructure encryption:** ☐.
- Buttons:** Review, < Previous, Next : Tags >.
- Footer:** Give feedback.

## Give some names and values

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The 'Tags' tab is selected. The page includes the following elements:

- Navigation:** Home > Storage accounts > Create a storage account.
- Tabs:** Basics, Advanced, Networking, Data protection, Encryption, **Tags**, Review.
- Tags section:** Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#). Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.
- Tags table:**

Name	Value	Resource
cloud	123	All resources selected
computing	456	All resources selected
		All resources selected

- Buttons:** Review, < Previous, Next : Review >.
- Footer:** Give feedback.

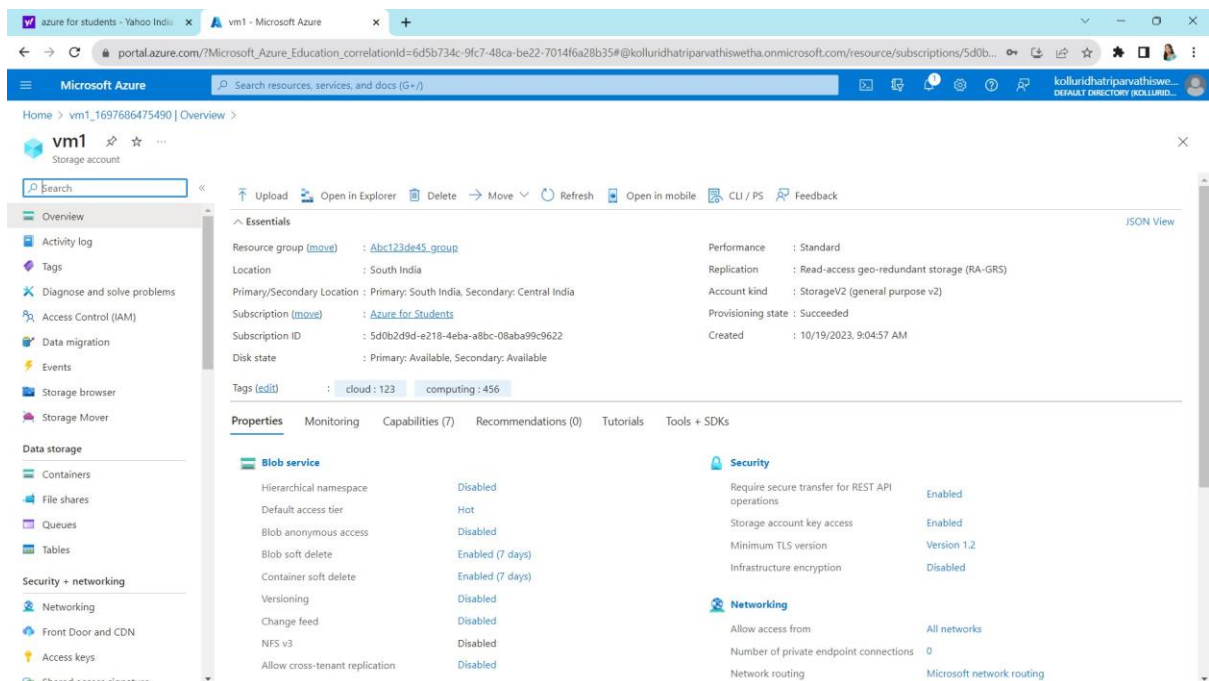
## Click on create

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal. The page is divided into 'Basics' and 'Advanced' sections. The 'Basics' section includes fields for Subscription (Azure for Students), Resource Group (Abc123de45\_group), Location (southindia), Storage account name (vm1), Deployment model (Resource manager), Performance (Standard), and Replication (Read-access geo-redundant storage (RA-GRS)). The 'Advanced' section includes options for Enable hierarchical namespace (Disabled), Enable network file system v3 (Disabled), Allow cross-tenant replication (Disabled), Access tier (Hot), Enable SFTP (Disabled), and Large file shares (Disabled). At the bottom, there is a 'Create' button, a '< Previous' button, a 'Next >' button, and a 'Download a template for automation' link. A 'Give feedback' link is also present in the bottom right corner.

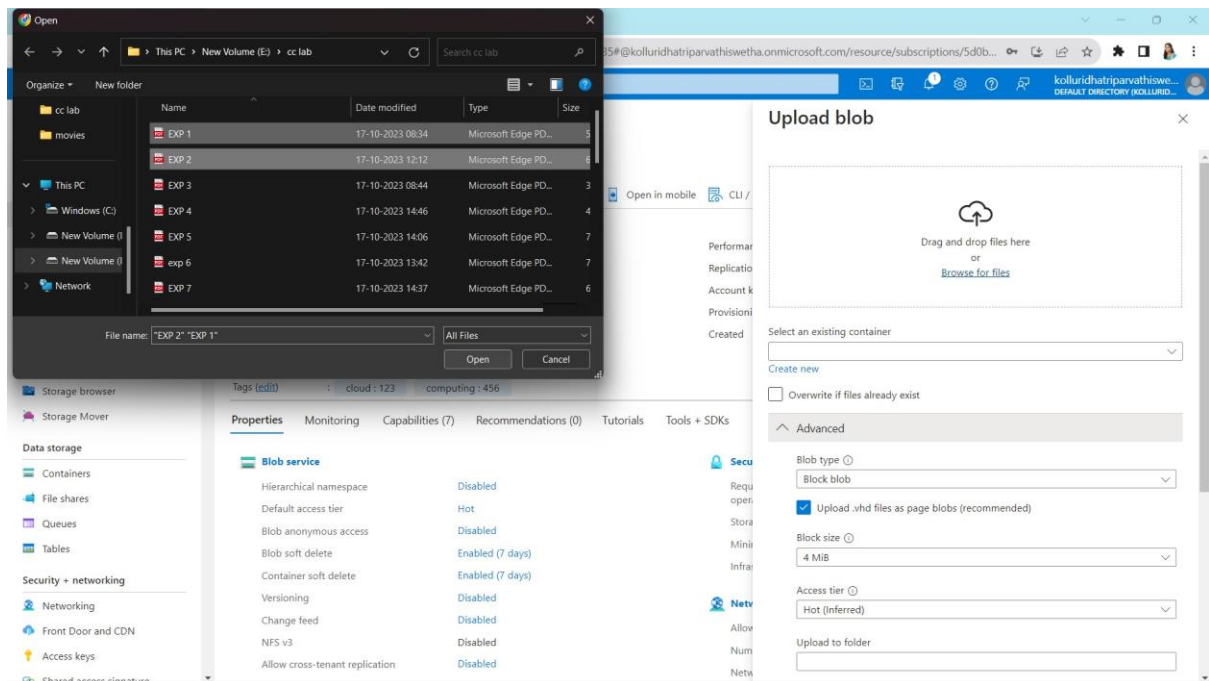
## Click on go to resource

The screenshot shows the 'Overview' page for a deployment in the Microsoft Azure portal. The page displays the deployment name 'vm1\_1697686475490' and its status 'Your deployment is complete'. It also shows the start time (19/10/2023, 9:04:47 am) and the correlation ID (0e22fa06-6baf-4ef3-88fd-09b630fb7b4a). The 'Next steps' section includes a 'Go to resource' button. The 'Give feedback' section includes a link to 'Tell us about your experience with deployment'. On the right side, there is a 'Deployment succeeded' notification and a sidebar with links to 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

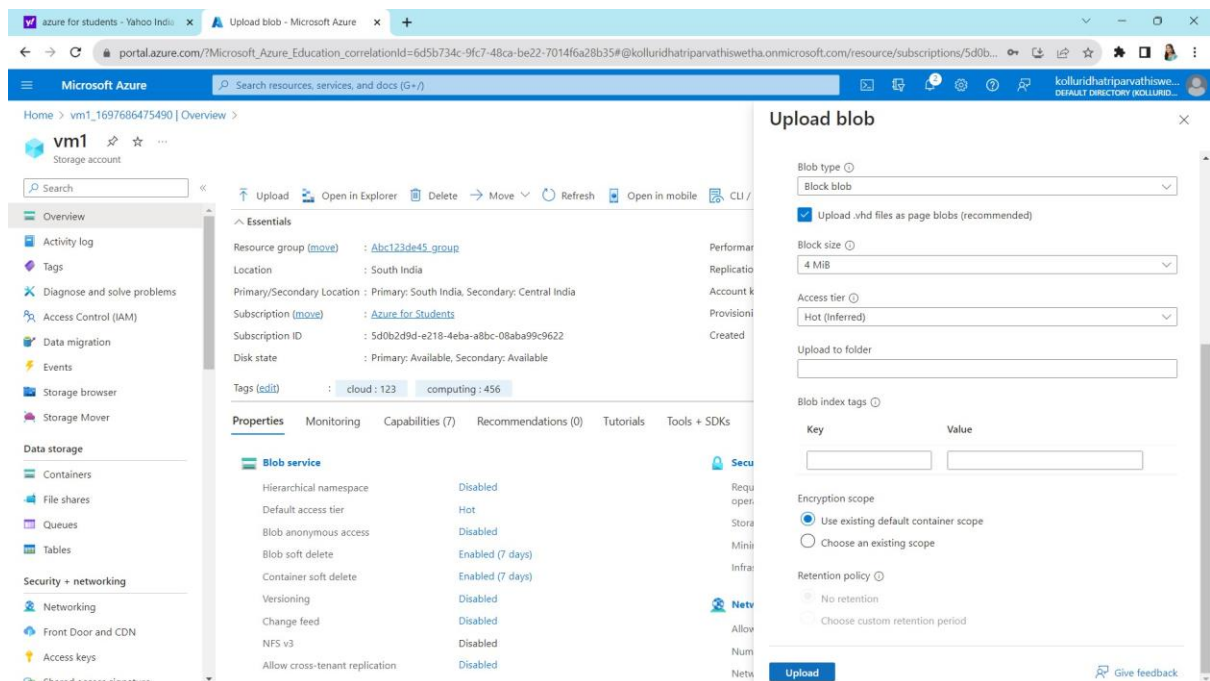
Click on upload which is on left side top



Select files from your system and upload it

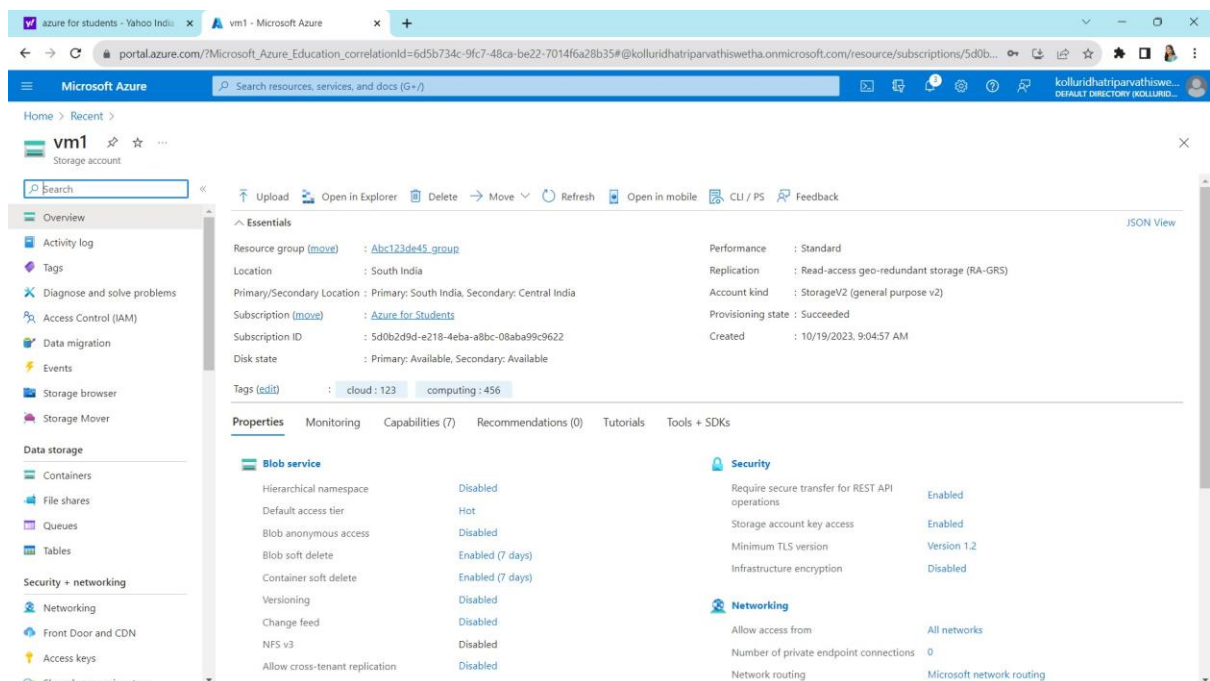


Give a name to that storage and click on upload



Go to home and choose your file and open it

Click on storage browser





## Select blob containers

vm1 | Storage browser

Storage account

Search

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Privacy settings

Feedback

Storage account metrics

The data provided is regularly updated about 2-4 times a day and published hourly. If your account has extremely large objects, it may be over a day between updates.

**Blob containers**

Number of containers	-
Number of blobs	-
Total data stored	-

**File shares**

Number of file shares	-
Number of files	-
Total data stored	-

**Tables**

Number of tables	-
Number of entities	-
Total data stored	-

**Queues**

Number of queues	-
Number of messages	-
Total data stored	-

Recently viewed

Resources will be shown here as they are viewed.

Other ways to manage data

The Azure Storage Explorer desktop client provides faster performance for your storage tasks. [Learn more](#)

## Select your file and open it

vm1 | Storage browser

Storage account

Search

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Shared access signature

vm1

Favorites

Recently viewed

Blob containers

Search containers by prefix

Only show active containers

Showing all 2 items

Name	Last modified	Anonymous access level	Lease state
\$logs	10/19/2023, 9:05:30 AM	Private	Available
storage	10/19/2023, 9:07:26 AM	Private	Available



The files which are stored before will opened here

vm1 | Storage browser

Search

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Shared access signature

vm1

Favorites

Recently viewed

Blob containers

storage

View all

File shares

Queues

Tables

+ Add Directory

Upload

Change access level

Refresh

Delete

Copy

Paste

Rename

Acquire lease

Blob containers > storage

Authentication method: Access key (Switch to Azure AD User Account)

Add filter

Search blobs by prefix (case-sensitive)

Only show active blobs

Showing all 2 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type	Size	Lease state	
<input type="checkbox"/>	EXP 1.pdf	10/19/2023, 9:07:59 AM	Hot (Inferred)	Block blob	540.9 KiB	Available	...
<input type="checkbox"/>	EXP 2.pdf	10/19/2023, 9:07:59 AM	Hot (Inferred)	Block blob	646.59 KiB	Available	...