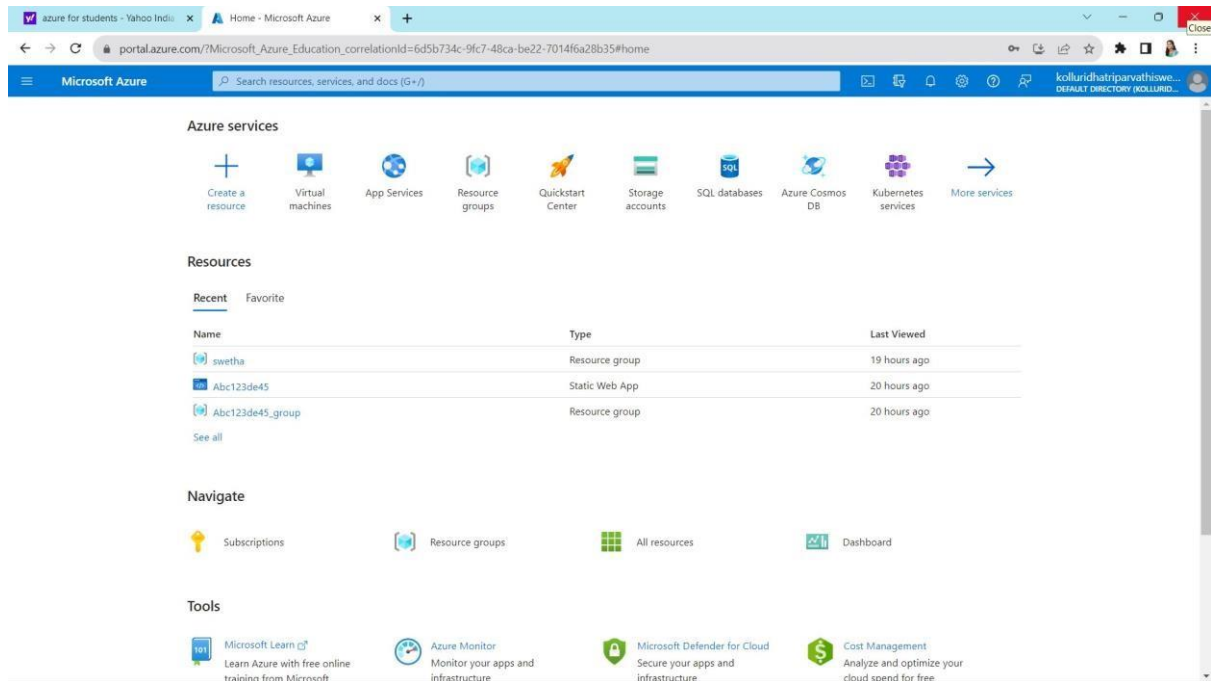


EXPERIMENT 16

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

Microsoft Azure portal showing the 'Storage accounts' page. The page displays a table with one record:

Name	Type	Kind	Resource group	Location	Subscription
csg1003200306cd3f67	Storage account	StorageV2	cloud-shell-storage-centralindia	Central India	Azure for Students

Navigation links: < Previous, Page 1 of 1, Next >

Fill up the required details

Microsoft Azure portal showing the 'Create a storage account' page. The page includes tabs for Basics, Advanced, Networking, Data protection, Encryption, Tags, and Review.

Basics

Subscription: Azure for Students

Resource group: Abc123de45_group

Instance details

Storage account name: vm1

Region: (Asia Pacific) South India

Performance: ☒ Standard: Recommended for most scenarios (general-purpose v2 account)

Redundancy: ☒ Make read access to data available in the event of regional unavailability.

Navigation links: Review, < Previous, Next : Advanced >

Click on next

Click

The screenshot shows the 'Create a storage account' wizard in the Azure portal. The 'Advanced' tab is selected, displaying security configuration options. A message at the top states: 'Certain options have been disabled by default due to the combination of storage account performance, redundancy, and region.' The settings include:

- 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

Navigation buttons at the bottom include 'Review', '< Previous', and 'Next: Networking >'. A 'Give feedback' link is also present.

on next

The screenshot shows the 'Networking' tab of the 'Create a storage account' wizard. It provides information on connecting to the storage account and offers two main configuration sections:

- Network access:** Options include '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'. A warning icon indicates that enabling public access from all networks might make the resource available publicly.
- Network routing:** Options include 'Microsoft network routing' (selected) and 'Internet routing'.

Navigation buttons at the bottom include 'Review', '< Previous', and 'Next: Data protection >'. A 'Give feedback' link is also present.

Click on next

azure for students - Yahoo India xCreate a storage account - Mic x

portal.azure.com/?Microsoft_Azure_Education_correlationId=6d5b734c-9fc7-48ca-be22-7014f6a28b35#create/Microsoft.StorageAccount-ARM

Microsoft AzureSearch resources, services, and docs (G+)

kolluridhatiparvathiswe...
DEFAULT DIRECTORY (KOLLURID...

Home > Storage accounts >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview

Recovery

Protect your data from accidental or erroneous deletion or modification.

☐

Enable point-in-time restore for containers
Use point-in-time restore to restore one or more containers to an earlier state. If point-in-time restore is enabled, then versioning, change feed, and blob soft delete must also be enabled. [Learn more](#)

☒

Enable soft delete for blobs
Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. [Learn more](#)
Days to retain deleted blobs

☒

Enable soft delete for containers
Soft delete enables you to recover containers that were previously marked for deletion. [Learn more](#)
Days to retain deleted containers ☒

Review

< PreviousNext : Encryption >

Give feedback

Click
on next

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Encryption' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > Storage accounts >'. The main title is 'Create a storage account'. The 'Encryption' tab is selected, showing options for 'Encryption type' (Microsoft-managed keys (MMK) is selected), 'Enable support for customer-managed keys' (blobs and files only is selected), and 'Enable infrastructure encryption' (unchecked). At the bottom, there are navigation buttons: 'Review', '< Previous', and 'Next : Tags >'. A 'Give feedback' link is also present.

Give some names and values

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Tags' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > Storage accounts >'. The main title is 'Create a storage account'. The 'Tags' tab is selected, showing a description of tags and a table to define them. The table has three columns: 'Name', 'Value', and 'Resource'. There are three rows of input fields. The first row has 'cloud' in the Name column, '123' in the Value column, and 'All resources selected' in the Resource column. The second row has 'computing' in the Name column, '456' in the Value column, and 'All resources selected' in the Resource column. The third row has empty fields. At the bottom, there are navigation buttons: 'Review', '< Previous', and 'Next : Review >'. A 'Give feedback' link is also present.

Click

on create

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal, specifically the 'Review' tab. The page is titled 'Create a storage account' and includes a breadcrumb trail: 'Home > Storage accounts >'. The 'Review' tab is selected, showing a summary of the configuration. The 'Basics' section includes: 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: 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 link to 'Download a template for automation'. A 'Give feedback' link is also present in the bottom right corner.

Section	Property	Value
Basics	Subscription	Azure for Students
	Resource Group	Abc123de45_group
	Location	southindia
	Storage account name	vm1
	Deployment model	Resource manager
	Performance	Standard
	Replication	Read-access geo-redundant storage (RA-GRS)
Advanced	Enable hierarchical namespace	Disabled
	Enable network file system v3	Disabled
	Allow cross-tenant replication	Disabled
	Access tier	Hot
	Enable SFTP	Disabled
	Large file shares	Disabled

Click on go to resource

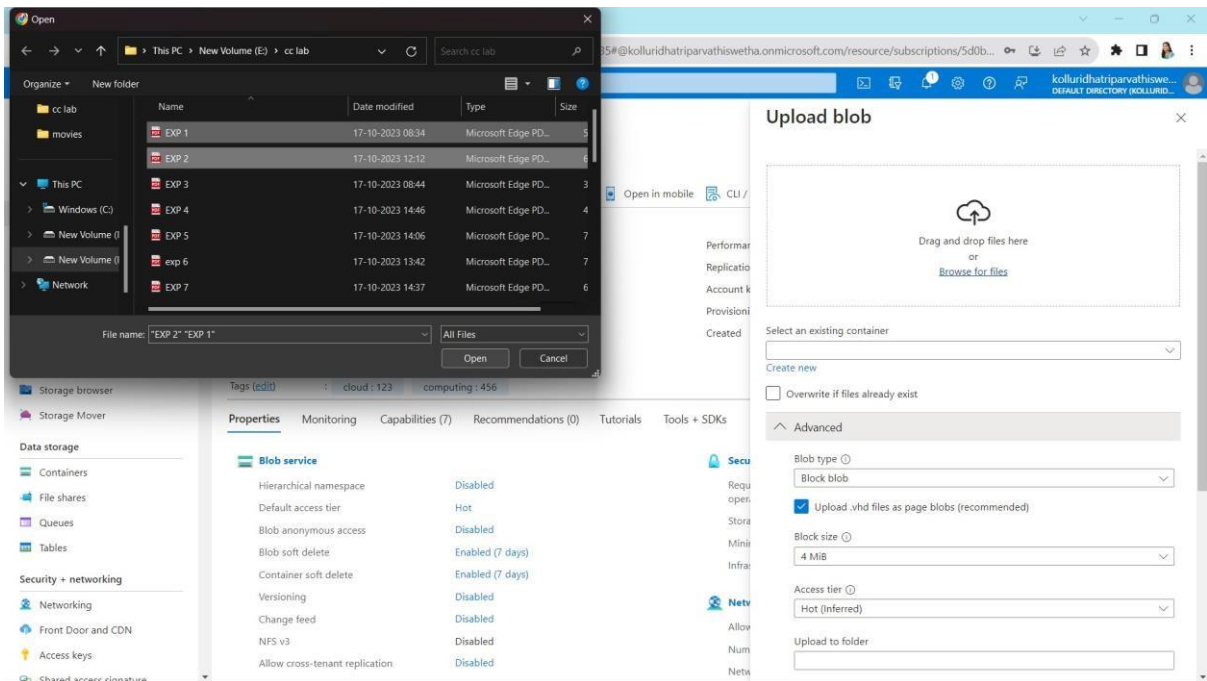
Click

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo and a search bar. Below the navigation bar, the main content area displays the 'Overview' page for a deployment named 'vm1_1697686475490'. The deployment is marked as 'Complete' with a green checkmark. Key details include: Deployment name: vm1_1697686475490, Subscription: Azure for Students, Resource group: Abc123de45_group, Start time: 19/10/2023, 9:04:47 am, and Correlation ID: 0e22fa06-6baf-4ef3-88fd-09b630fb7b4a. A 'Go to resource' button is visible. On the right side, there's a sidebar with links to 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'. A notification banner at the top right states 'Deployment succeeded'.

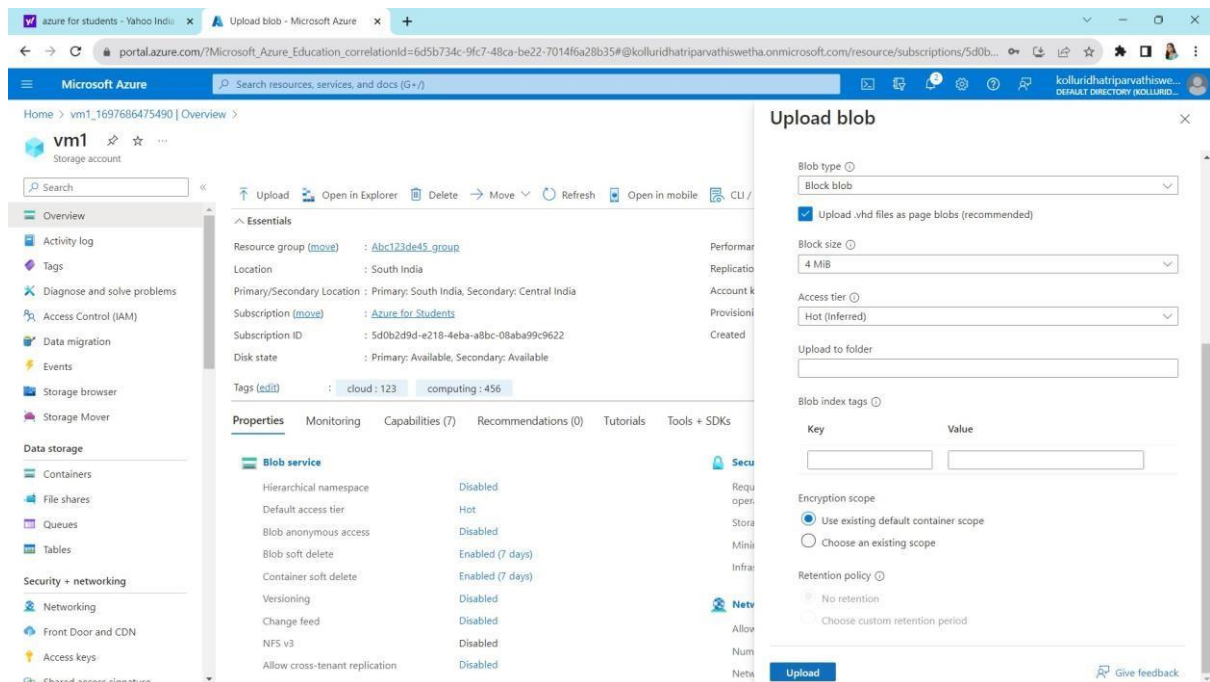
on upload which is on left side top

The screenshot shows the Microsoft Azure portal interface for a storage account named 'vm1'. The 'Essentials' section is active, displaying key information about the storage account. Key details include: Resource group: Abc123de45_group, Location: South India, Primary/Secondary Location: Primary: South India, Secondary: Central India, Subscription: Azure for Students, Subscription ID: 5d0b2d9d-e218-4eba-a8bc-08aba99c9622, Disk state: Primary: Available, Secondary: Available, and Tags: cloud: 123, computing: 456. The 'Properties' tab is selected, showing details about the Blob service, Security, and Networking. The Blob service section includes settings like Hierarchical namespace (Disabled), Default access tier (Hot), Blob anonymous access (Disabled), Blob soft delete (Enabled (7 days)), Container soft delete (Enabled (7 days)), Versioning (Disabled), Change feed (Disabled), NFS v3 (Disabled), and Allow cross-tenant replication (Disabled). The Security section includes settings like Require secure transfer for REST API operations (Enabled), Storage account key access (Enabled), Minimum TLS version (Version 1.2), and Infrastructure encryption (Disabled). The Networking section includes settings like Allow access from (All networks), Number of private endpoint connections (0), and Network routing (Microsoft network routing).

Click
Select files from your system and upload it

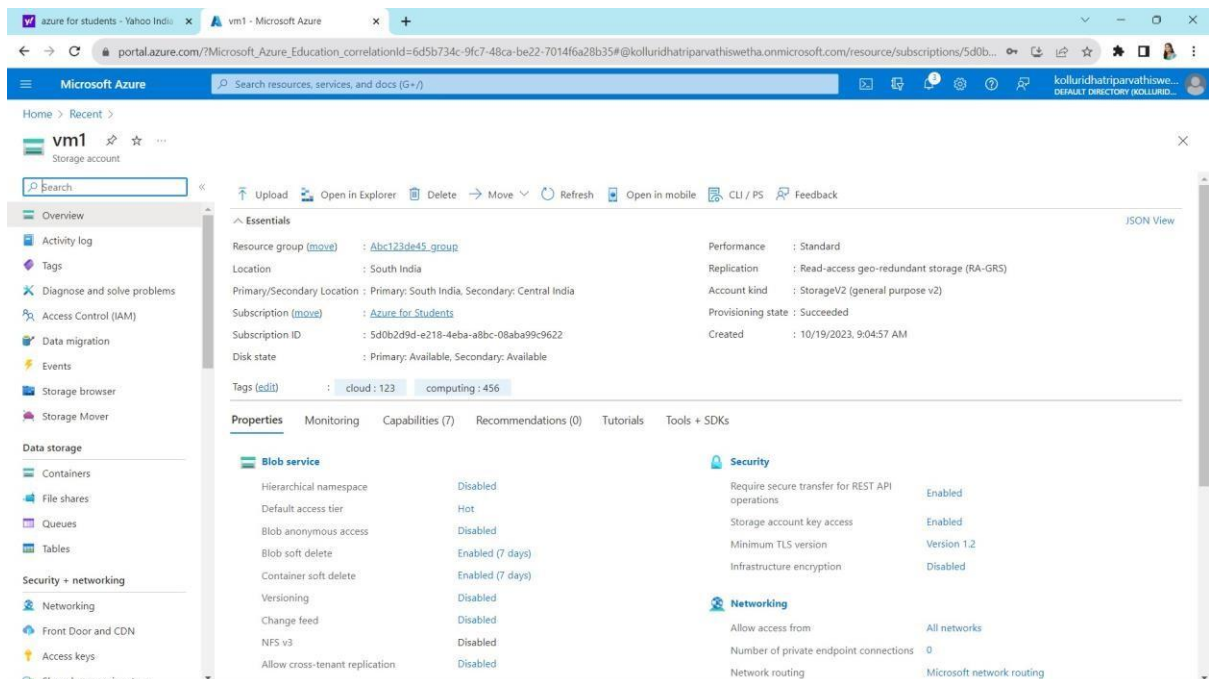


Give a name to that storage and click on upload



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](#)

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

Actions: Add container, Upload, Refresh, Delete, Change access level, Restore containers, Edit columns

Blob containers

Search containers by prefix

Only show active containers

Showing all 2 items

<input type="checkbox"/>	Name	Last modified	Anonymous access level	Lease state	
<input type="checkbox"/>	slogs	10/19/2023, 9:05:30 AM	Private	Available	...
<input type="checkbox"/>	storage	10/19/2023, 9:07:26 AM	Private	Available	...

vm1 - Microsoft Azure

portal.azure.com/?Microsoft_Azure_Education_correlationId=6d5b734c-9fc7-48ca-be22-7014f6a28b35#@kolluridhatiparvathiswetha.onmicrosoft.com/resource/subscriptions/5d0b...

Microsoft Azure

Home > Recent > vm1

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
 - storage
- File shares
- Queues
- Tables

View all

Actions: 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	...