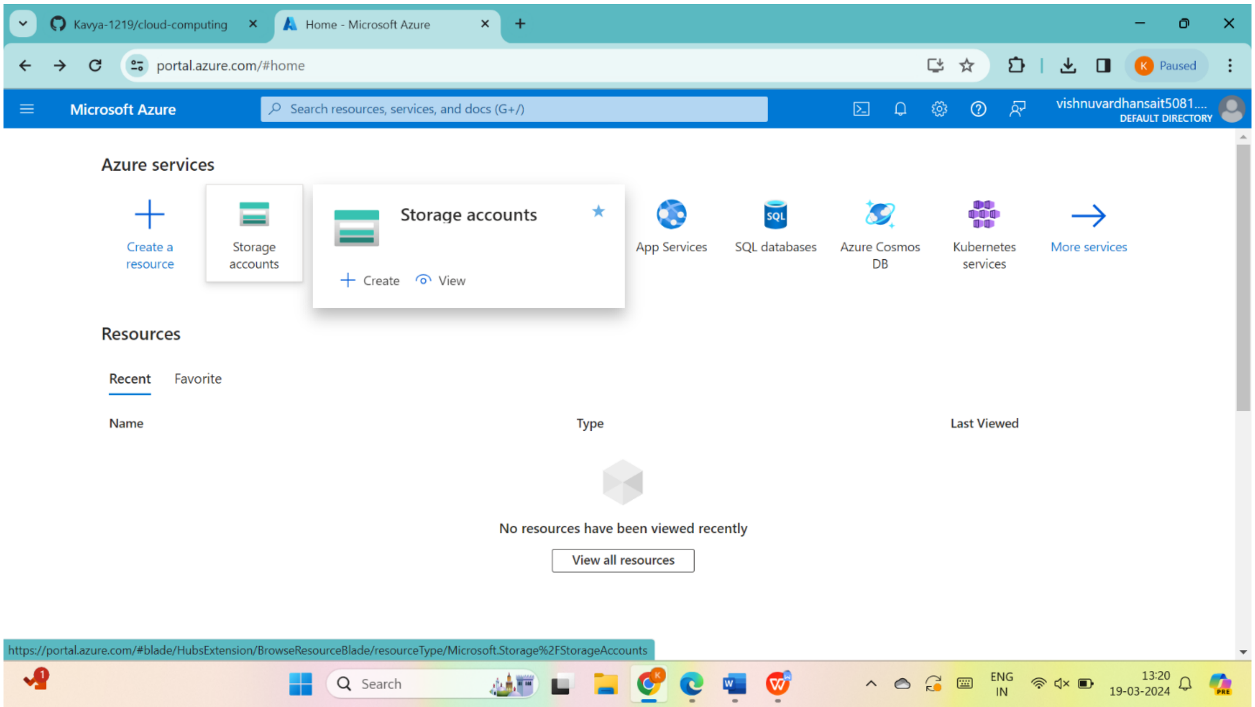
EXPERIMENT:22:

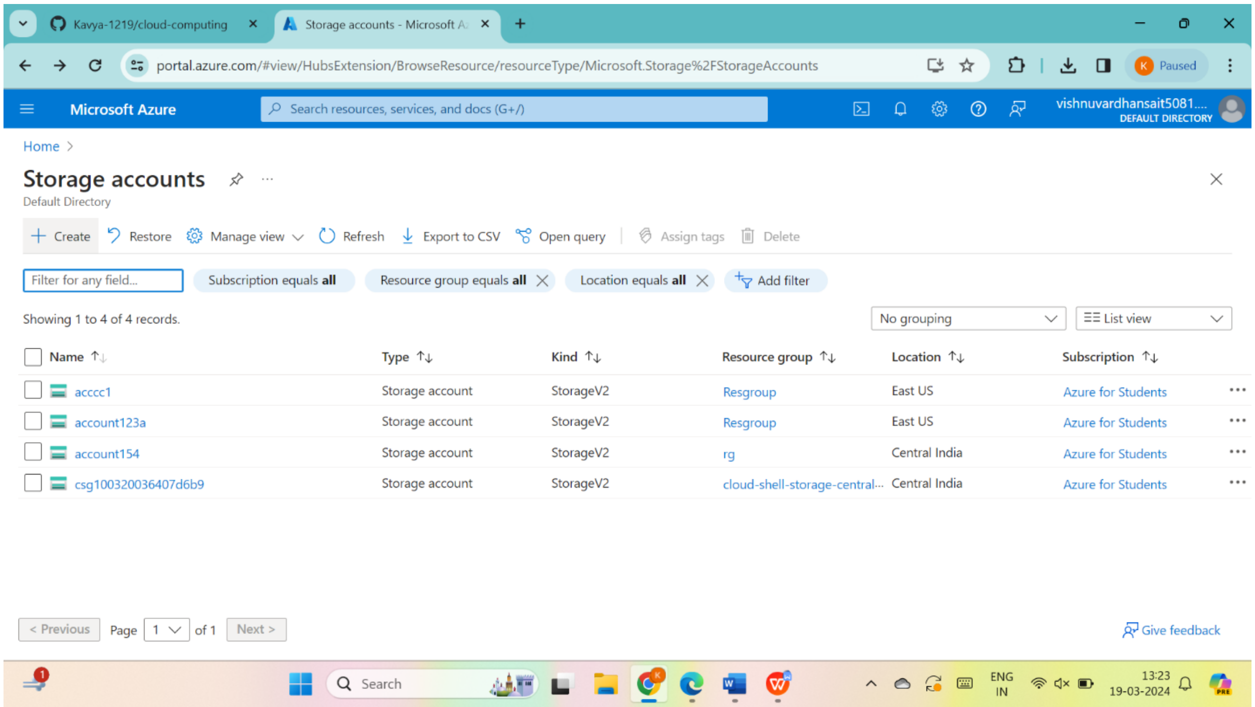
Aim: To Create a Storage service using any Public Cloud Service Provider (Azure/GCP/AWS) and check the public accessibility of the stored file to demonstrate Storage as a Service.

Implementation:

STEP:1:: open azure and create account Go to resource groups



THEN GO THE CREATE THEN



Storage accounts

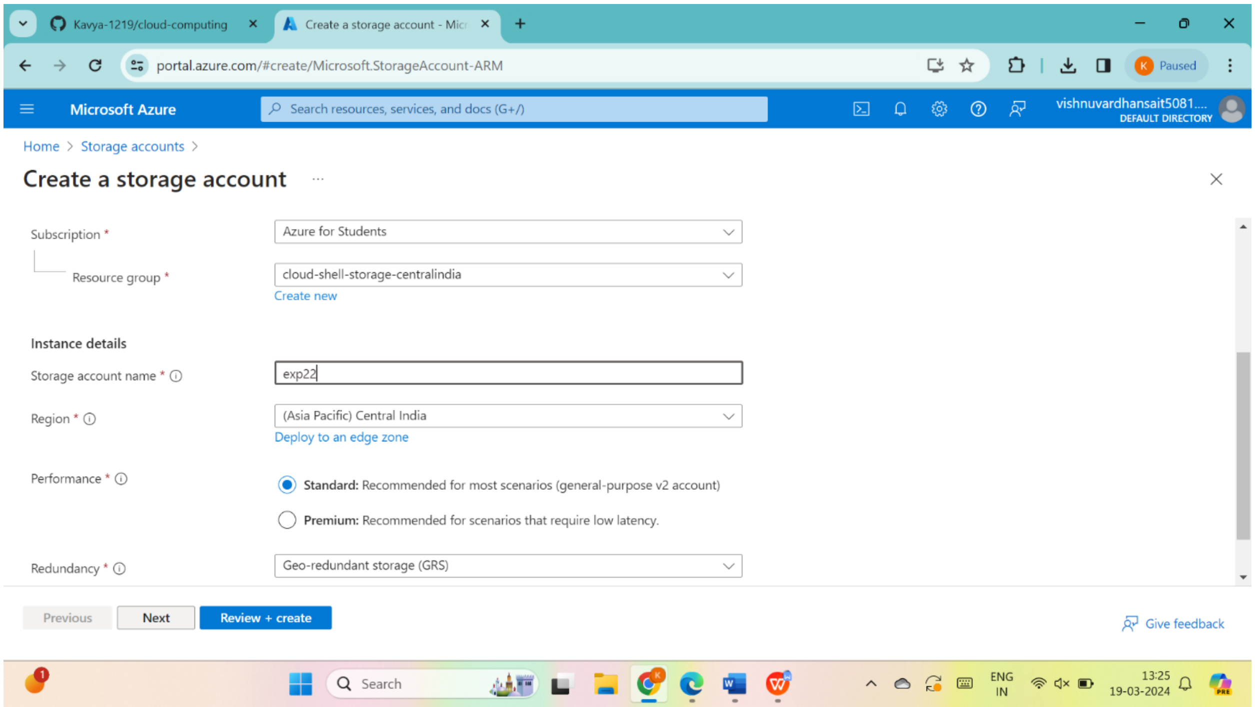
Default Directory

Subscription equals **all** | Resource group equals **all** | Location equals **all**

Showing 1 to 4 of 4 records.

Name	Type	Kind	Resource group	Location	Subscription
acccc1	Storage account	StorageV2	Resgroup	East US	Azure for Students
account123a	Storage account	StorageV2	Resgroup	East US	Azure for Students
account154	Storage account	StorageV2	rg	Central India	Azure for Students
csg100320036407d6b9	Storage account	StorageV2	cloud-shell-storage-central...	Central India	Azure for Students

Assign name to storage account and give next


Kavya-1219/cloud-computing
Create a storage account - Micr
portal.azure.com/#create/Microsoft.StorageAccount-ARM
Paused
Microsoft Azure
Search resources, services, and docs (G+/)
vishnuvardhansait5081....
DEFAULT DIRECTORY
Home > Storage accounts >

Create a storage account ···

Subscription * Azure for Students

Resource group * cloud-shell-storage-centralindia

Create new

Instance details

Storage account name * ⓘ exp22

Region * ⓘ (Asia Pacific) Central India

Deploy to an edge zone

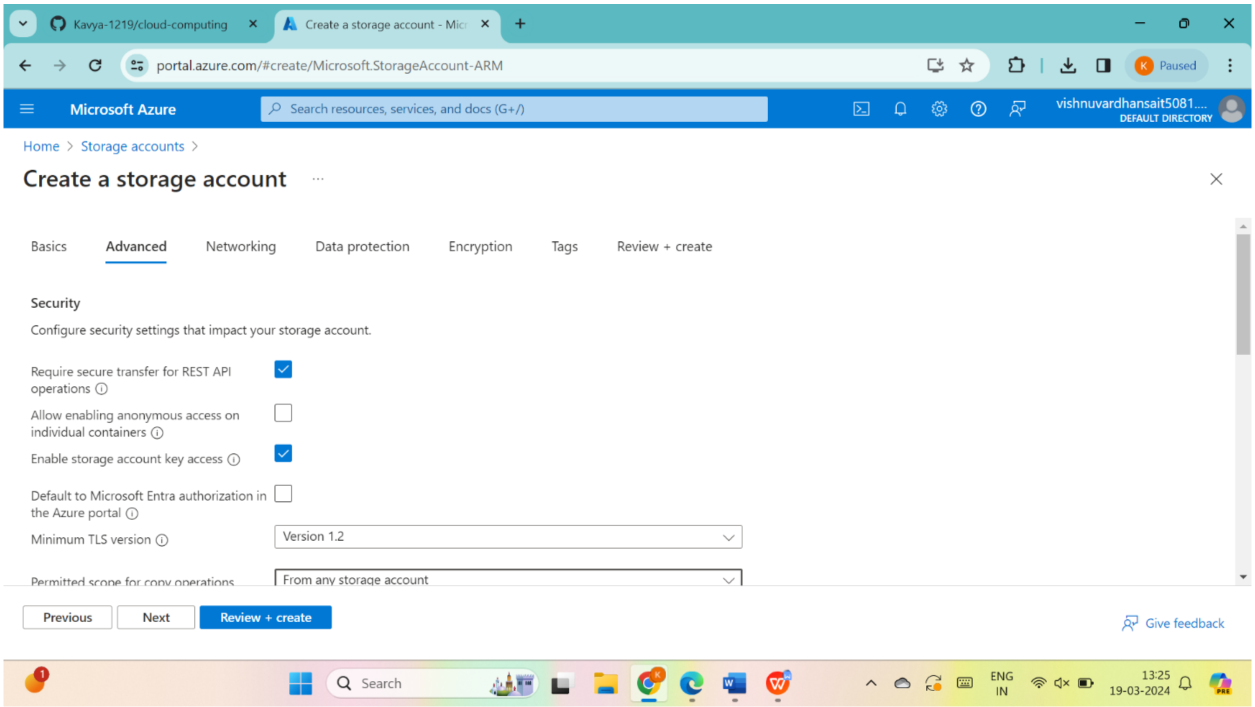
Performance * ⓘ

● **Standard:** Recommended for most scenarios (general-purpose v2 account)

○ **Premium:** Recommended for scenarios that require low latency.

Redundancy * ⓘ Geo-redundant storage (GRS)

give next for advanced


Kavya-1219/cloud-computing
Create a storage account - Micr
portal.azure.com/#create/Microsoft.StorageAccount-ARM
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vishnuvardhansait5081....
DEFAULT DIRECTORY
Home > Storage accounts >

Create a storage account ···

Basics
Advanced
Networking
Data protection
Encryption
Tags
Review + create

Security

Configure security settings that impact your storage account.

Require secure transfer for REST API operations ⓘ ☑

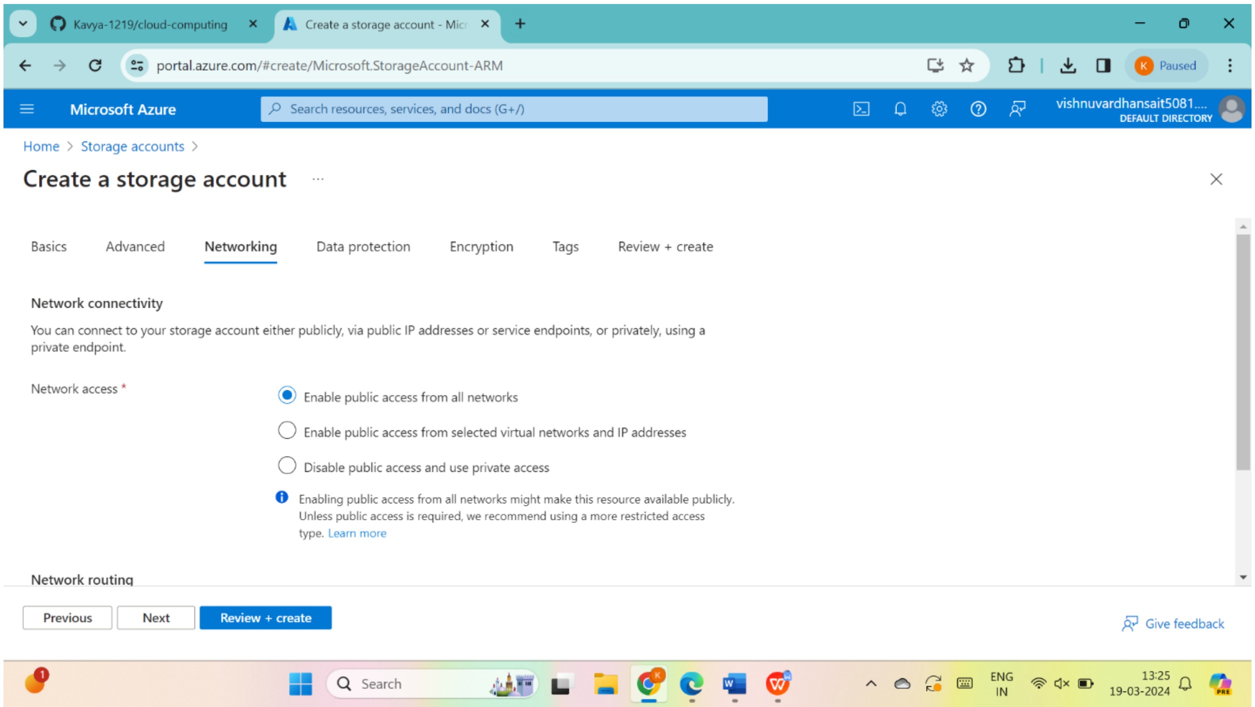
Allow enabling anonymous access on individual containers ⓘ □

Enable storage account key access ⓘ ☑

Default to Microsoft Entra authorization in the Azure portal ⓘ □

Minimum TLS version ⓘ Version 1.2

Permitted scope for copy operations From any storage account give next for networking


Kavya-1219/cloud-computing
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Give feedback
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ENG
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13:25
19-03-2024

Create a storage account

Network connectivity

You can connect to your storage account either publicly, via public IP addresses or service endpoints, or privately, using a private endpoint.

Network access *

● Enable public access from all networks

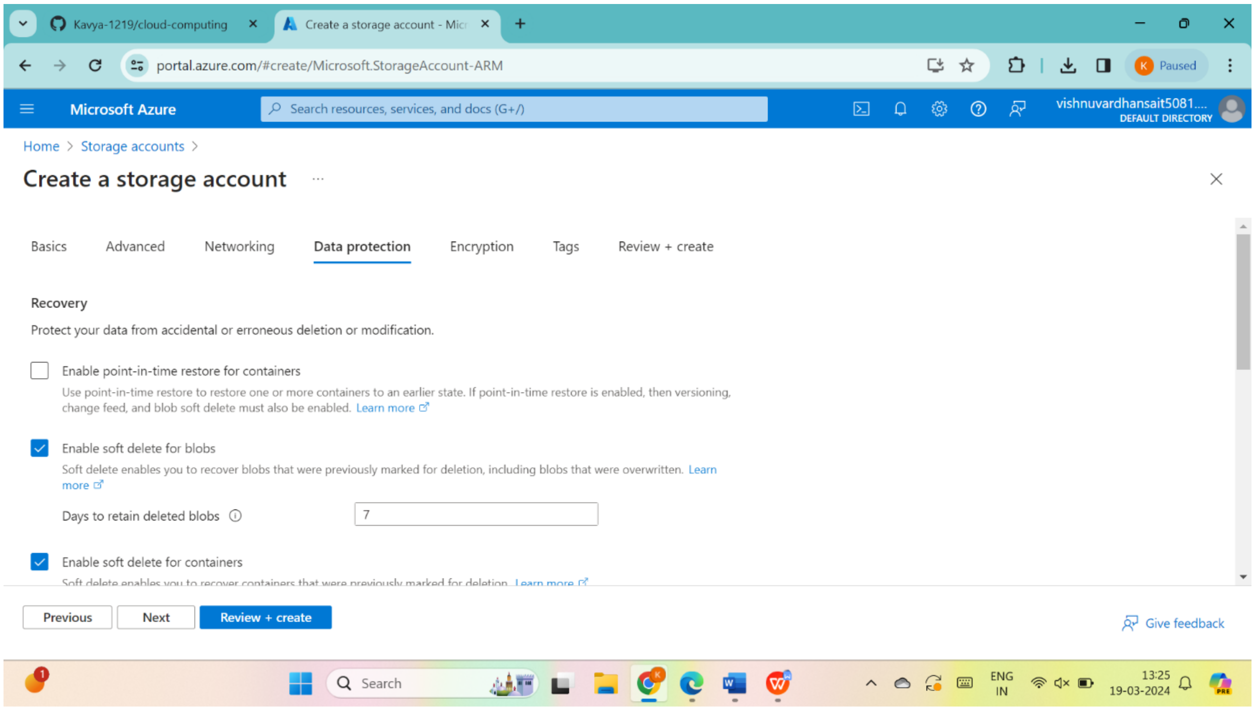
○ Enable public access from selected virtual networks and IP addresses

○ Disable public access and use private access

Enabling public access from all networks might make this resource available publicly. Unless public access is required, we recommend using a more restricted access type. Learn more

Network routing

give next for data protection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Create a storage account

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

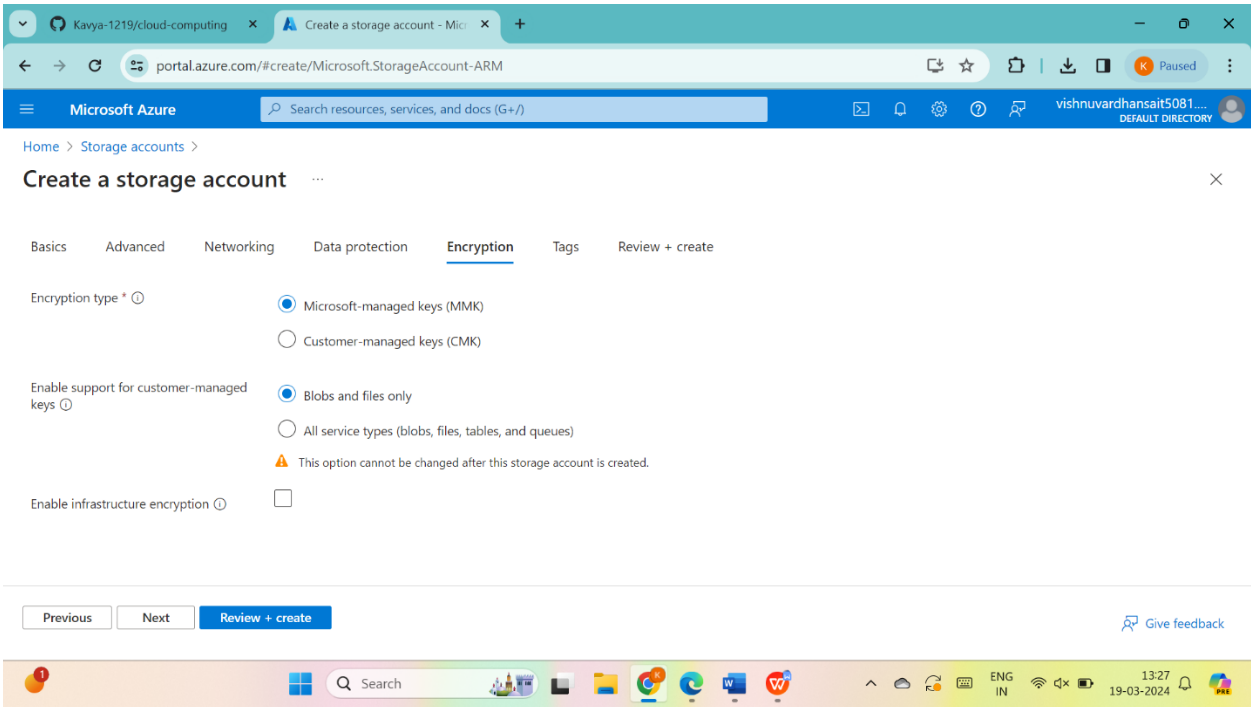
☑ Enable soft delete for blobs

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: 7

☑ Enable soft delete for containers

Soft delete enables you to recover containers that were previously marked for deletion. Learn more give next for encryption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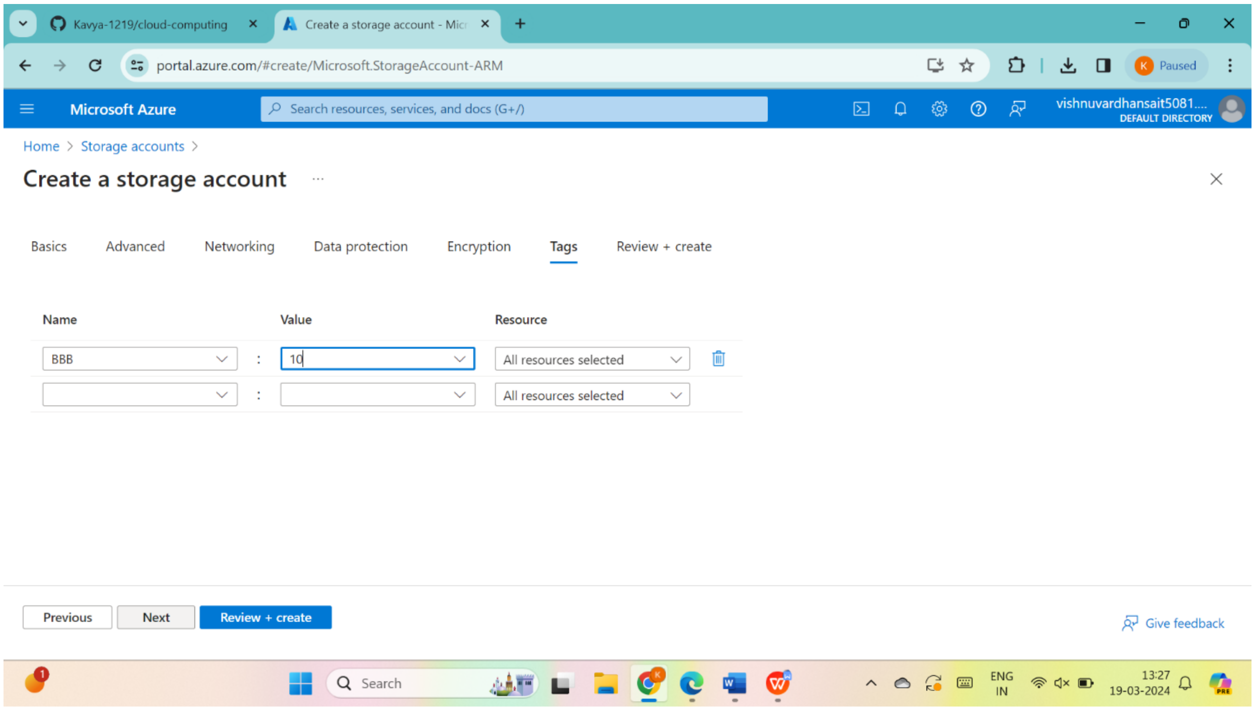
Create a storage account

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)
⚠ This option cannot be changed after this storage account is created.

Enable infrastructure encryption ⓘ □

give next for tags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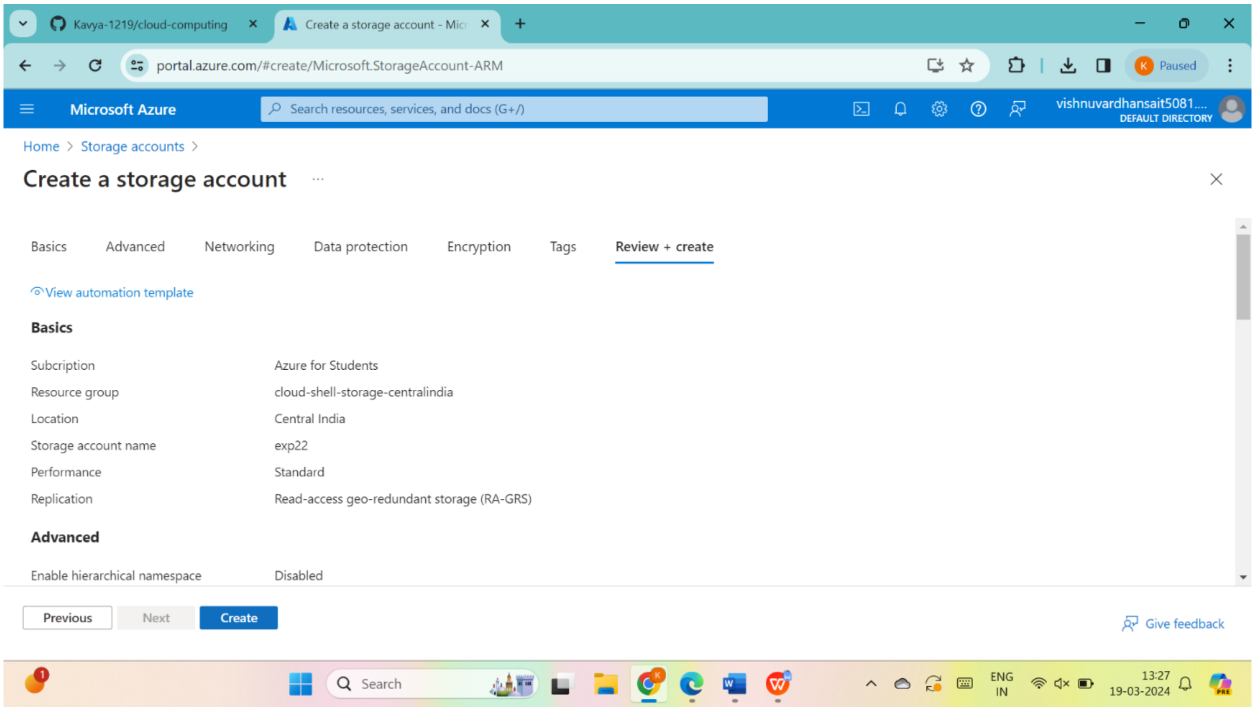
Create a storage account

Name		Value	Resource
BBB	:	10	All resources selected
	:		All resources selected

give next for review + create and go to create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Microsoft Azure
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vishnuvardhansait5081....
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View automation template
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Give feedback
Search
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19-03-2024

Create a storage account

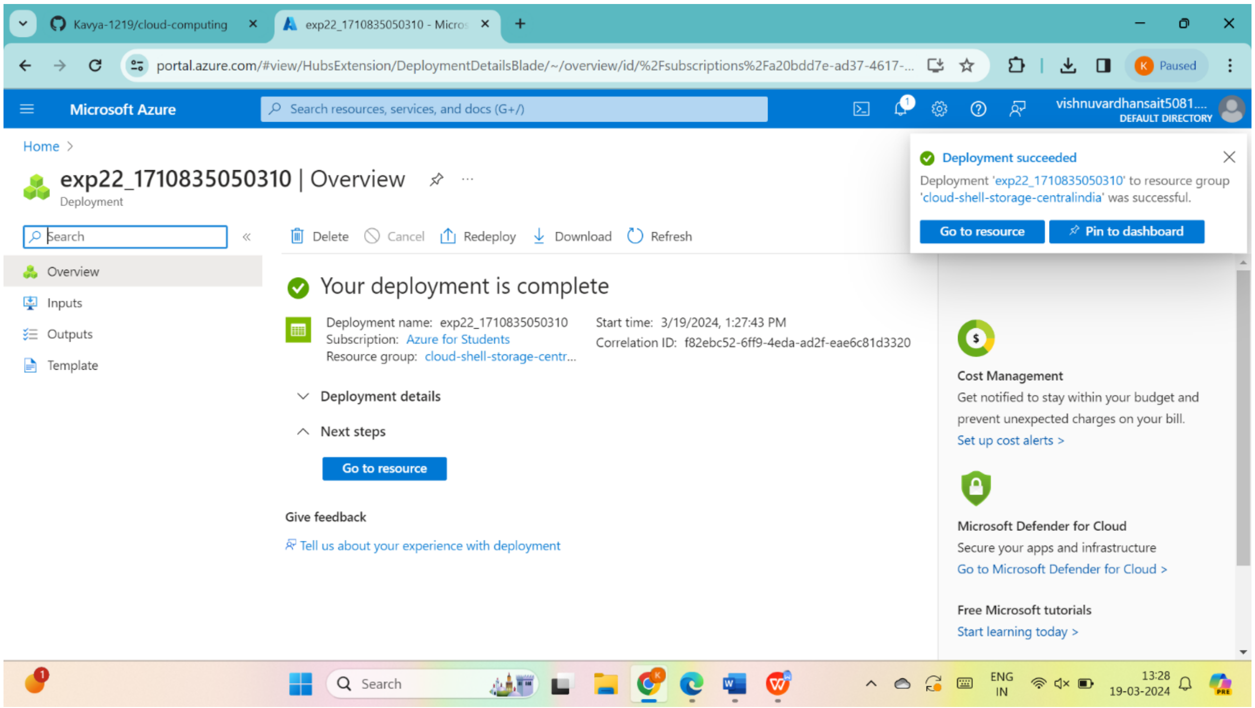
Basics

Subcription	Azure for Students
Resource group	cloud-shell-storage-centralindia
Location	Central India
Storage account name	exp22
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled

Now the deployment is completed


Kavya-1219/cloud-computing
exp22_1710835050310 - Micro
portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2Fa20bdd7e-ad37-4617-...
Paused
Microsoft Azure
Search resources, services, and docs (G+/)
vishnuvardhansait5081....
DEFAULT DIRECTORY
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Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Go to resource
Pin to dashboard
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19-03-2024

exp22_1710835050310 | Overview

Deployment

Deployment succeeded

Deployment 'exp22_1710835050310' to resource group 'cloud-shell-storage-centralindia' was successful.

Your deployment is complete

Deployment name: exp22_1710835050310
Subscription: Azure for Students
Resource group: cloud-shell-storage-centr...

Start time: 3/19/2024, 1:27:43 PM
Correlation ID: f82ebc52-6ff9-4eda-ad2f-eae6c81d3320

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

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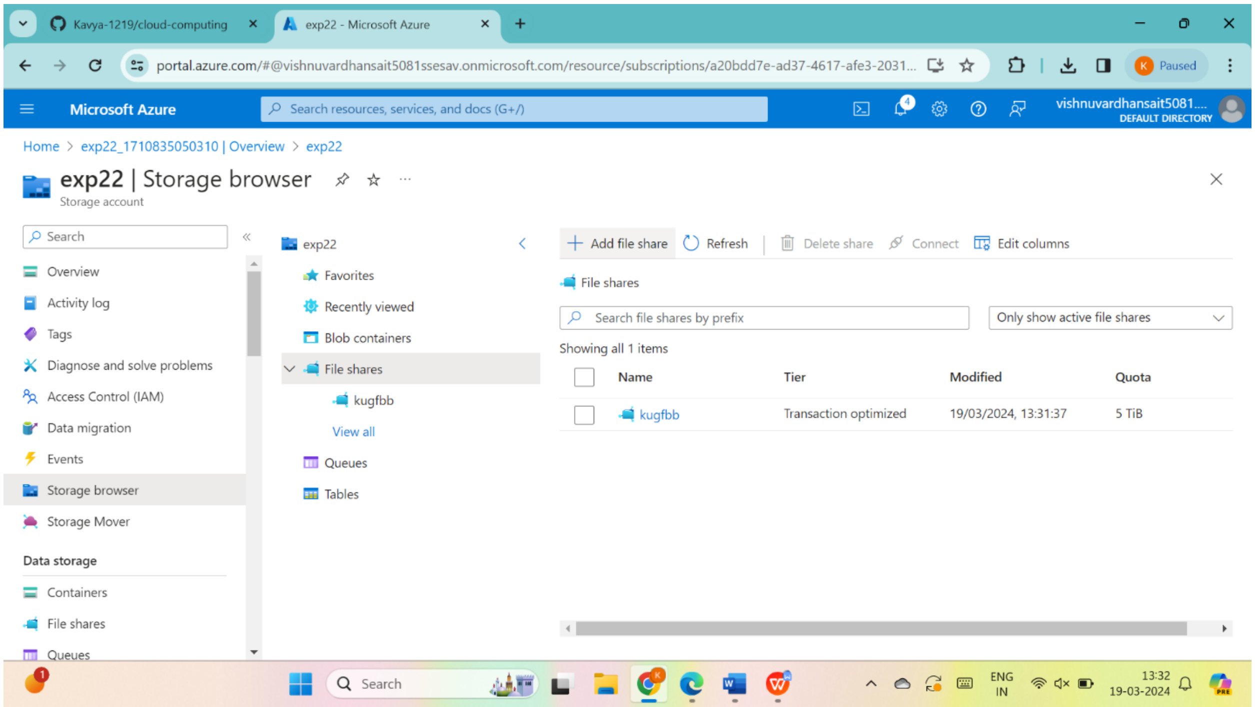
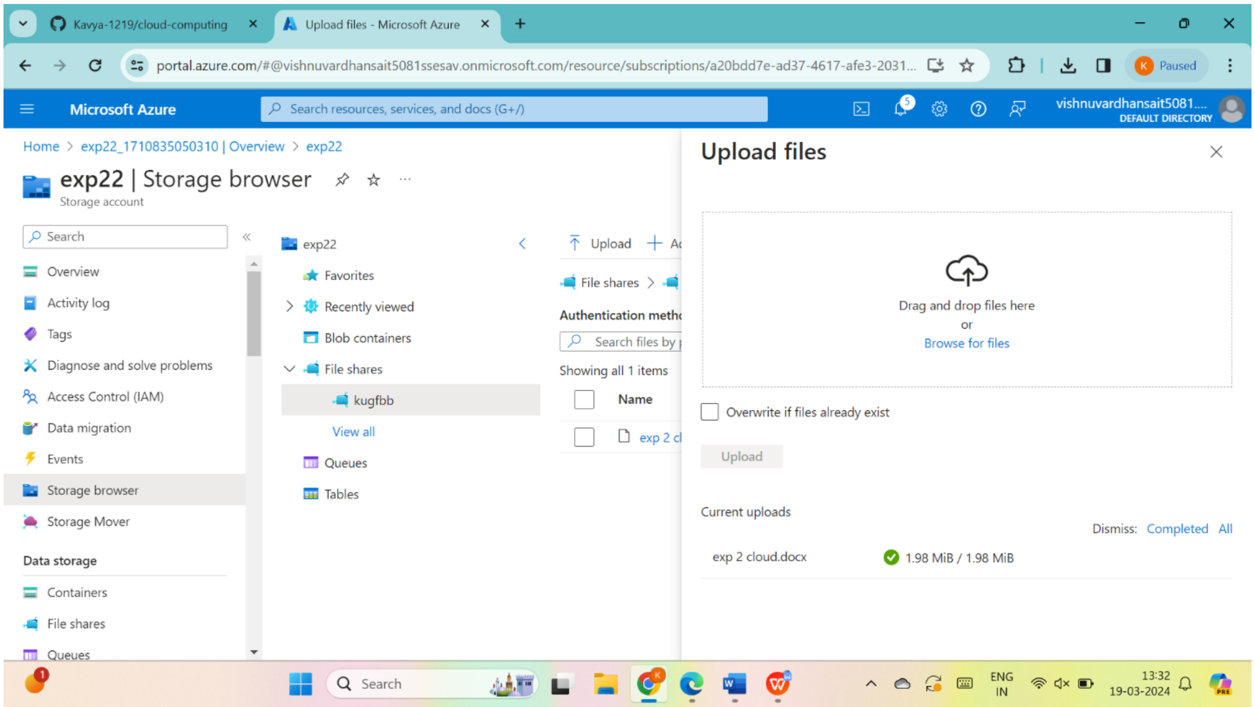
Go to storage browser >file shares and add file



Showing all 1 items

□	Name	Tier	Modified	Quota
□	kugfbb	Transaction optimized	19/03/2024, 13:31:37	5 TiB

Upload any file into it



Upload files

Drag and drop files here
or
Browse for files

□ Overwrite if files already exist

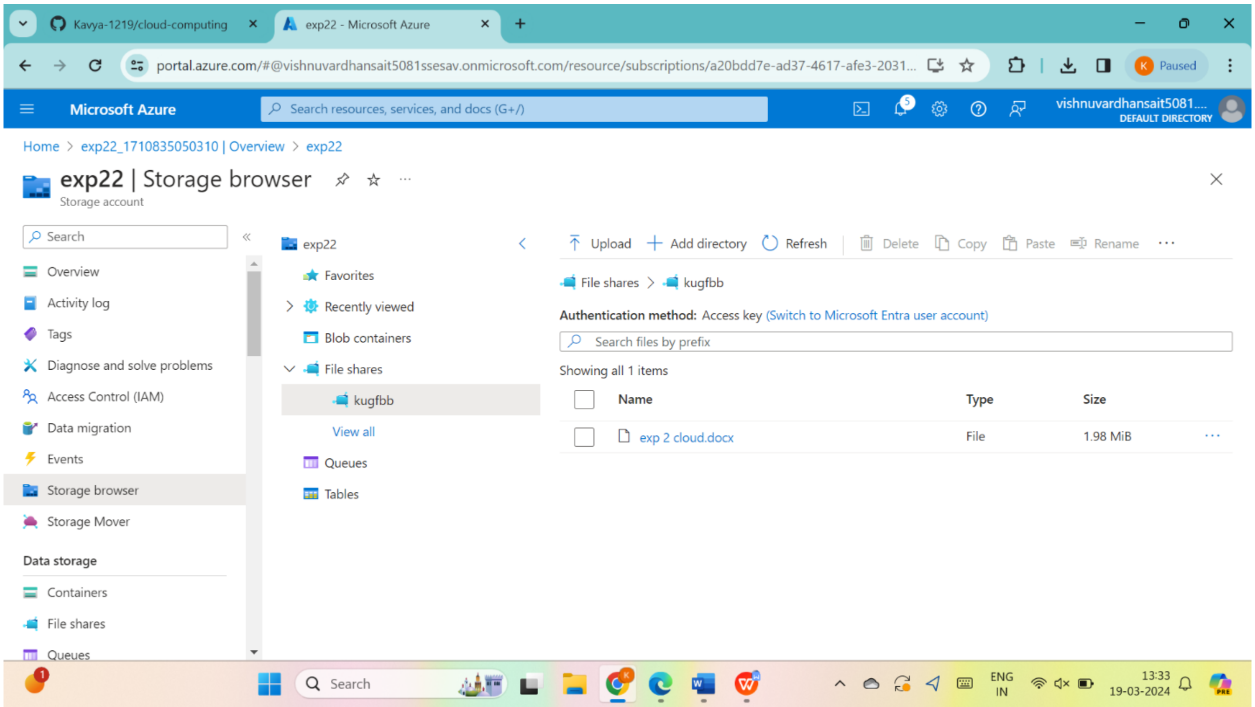
Upload

Current uploads

Dismiss: Completed All

exp 2 cloud.docx ✓ 1.98 MiB / 1.98 MiB

RESULT : THUS ,THE PROGRAM HAS BEEN EXCEUTED SUCCESSFULLY.



portal.azure.com/#@vishnuvardhansait5081ssesav.onmicrosoft.com/resource/subscriptions/a20bdd7e-ad37-4617-afe3-2031...

Home > exp22_1710835050310 | Overview > exp22

exp22 | Storage browser
Storage account

File shares > kugfbb

Authentication method: Access key (Switch to Microsoft Entra user account)

Showing all 1 items

	Name	Type	Size
□	exp 2 cloud.docx	File	1.98 MiB