Assignment 1

Tasks To Be Performed:

1. Create 2 resource groups rg-1 and rg-2
2. Add storage account to rg-1
3. Move storage account from rg-1 to rg-2

Go on Azure portal choose service storage account and click on create .

Showing 1 to 3 of 3 records.   No grouping

	Name ↑↓	Subscription ↑↓	Location ↑↓
☐	cloud-shell-storage-centralindia	Siddhartha Free Trial	Central India
☐	rg-1	Siddhartha Free Trial	East US
☐	rg-2	Siddhartha Free Trial	East US

☰   **Microsoft Azure**   ⬆ Upgrade   🔍 Search resources, services, and docs (G+/)

Name of storage account is specific.

Home > Storage accounts >

Create a storage account   ...

Instance details

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts

Storage account name ⓘ *   storageaccount1723dec

Region ⓘ *   (US) East US

Deploy to an edge zone

Performance ⓘ *   ◉ **Standard:** Recommended for most scenarios (general-purpose v2 account)

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

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Redundancy ⓘ *   Geo-redundant storage (GRS)

                                    ☑ Make read access to data available in the event of regional unavailability.

Subscription *   Siddhartha Free Trial

Resource group *   rg-1
Create new

[Review]   < Previous   Next : Advanced >

Go inside resource group - choose the storage account click on three dots and choose move .

Move to another resource group

→ Move 〉

🗑 Delete

⬇ Export template

📱 Open in mobile

⊞ Move to another resource group

🔑 Move to another subscription

📍 Move to another region

＋ Add filter

Move resources
rg-1

① Source + target   ② Resources to move   ③ Review

To move a resource, select a source and a destination. The source and destination resource groups will both be locked during the move. Learn more ⧉

Source

Subscription   Siddhartha Free Trial

Resource group   rg-1

Target

Subscription   Siddhartha Free Trial

Resource group *   rg-2   ⌄ *

Create new

Previous   **Next**

Move resources
rg-1

① Source + target   ② Resources to move   ③ Review

Selection summary

Source subscription   Siddhartha Free Trial

Source resource group   rg-1

Target subscription   Siddhartha Free Trial

Target resource group   rg-2

Number of resources to move   1

☑ I understand that tools and scripts associated with moved resources will not work until I update them to use new resource IDs

Previous   **Move**

Once the storage account is move from one RG TO another then it is disappear from first one .

rg-2 📌 ☆ ⋯
Resource group

🔍 Search ❮❮

+ Create ⚙ Manage view ∨ 🗑 Delete resource group ↻ Refresh ↓ Export to CSV ⦵ Open query | ⬦ Assign tags ⋯

⊞ Overview

📕 Activity log

👥 Access control (IAM)

🏷 Tags

🔀 Resource visualizer

⚡ Events

Settings

⬆ Deployments

🛡 Security

◈ Deployment stacks

📋 Policies

�III Properties

🔒 Locks

ⓘ Moving Resources

∨ Essentials   JSON View

Resources Recommendations

Filter for any field...   Type equals **all** ✕   Location equals **all** ✕   ⤢ Add filter

Showing 1 to 1 of 1 records. ☐ Show hidden types ⓘ   No grouping ∨   ☰ List view ∨

☐ **Name** ↑↓   **Type** ↑↓   **Location** ↑↓

☐ ▦ storageaccount1723dec   Storage account   East US   ⋯

Assignment 2

Tasks To Be Performed:

1. Create 3 storage accounts with "Team" tags: team1, team2 and team3 respectively
2. Create one more storage account for team2
3. List all resources for team2 using tags

Create a resource group in which we can add the storage account .

Home > Resource groups >

Create a resource group ···

Basics   Tags   Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Learn more ↗

Project details

Subscription * ⓘ

| Free Trial | ⌄ |

      Resource group * ⓘ

| Tag | ✓ | ✓ |

Resource details

Region * ⓘ

| (Asia Pacific) Central India | ⌄ |

| Review + create | | < Previous | | Next : Tags > |

Create a storage account ...

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription *

Free Trial

Resource group *

Tag

Create new

Instance details

Storage account name (i) *

sidd1

Region (i) *

(Asia Pacific) Central India

Deploy to an edge zone

Performance (i) *

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

( ) **Premium:** Recommended for scenarios that require low latency.

Redundancy (i) *

Locally-redundant storage (LRS)

Review   < Previous   Next : Advanced >

Tag this storage account as Team1 and create the other two storage account using tag Team2 and Team3.

Create a storage account ...

Basics   Advanced   Networking   Data protection   Encryption   **Tags**   Review

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.

Name			Value			Resource		
Team	⌄	:	Team1	⌄		All resources selected	⌄	🗑
	⌄	:		⌄		All resources selected	⌄	

Review ✓   < Previous   Next : Review >

Move inside the storage account click on the Tags we can see how many storage account associated with the same tag as team2

Assignment 3

Tasks To Be Performed:

1. Create a file share in Azure Storage
2. Mount this file share on Windows and Linux

Create a resource group – create storage account using RG- File share

fileshare31
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

↑ Upload   ⊞ Open in Explorer   🗑 Delete   → Move ∨   ↻ Refresh   📱 Open in mobile   🖳 CLI / PS   🗨 Feedback

∧ Essentials   JSON View

Resource group (move)	Performance
31-12-23	Standard
Location	Replication
eastus	Locally-redundant storage (LRS)
Subscription (move)	Account kind
Free Trial	StorageV2 (general purpose v2)
Subscription ID	Provisioning state
22007c0c-9a06-4ca6-9b3d-cbf0984ad5d9	Succeeded
Disk state	Created
Available	12/31/2023, 9:40:50 PM

Tags (edit)
Add tags

Properties   Monitoring   Capabilities (7)   Recommendations (0)   Tutorials   Tools + SDKs

⊞ **Blob service**   🔒 **Security**

New file share ⋯

Basics   Backup   Review + create

Name *   fileshare-windows

Tier *   Transaction optimized   ⌄

Performance

Maximum IO/s ⓘ   1000

Maximum capacity   5 TiB

Large file shares   Disabled

🧭 You can improve performance and maximum share capacity by enabling large file shares for this storage account. Learn more

ⓘ To use the SMB protocol with this share, check if you can communicate over port 445. These scripts for Windows clients and Linux clients can help. Learn how to circumvent port 445 issues.

Review + create   < Previous   Next : Backup >

New file share ⋯

Basics   **Backup**   Review + create

Azure Backup protects your file shares from accidental deletion or modification with granular restore and at-scale management capabilities. Learn more ⧉

Enable backup   ☐

Disable the backup.

Review + create   < Previous   Next : Review >

✎ Connect   ↑ Upload   ↻ Refresh   + Add directory   🗑 Delete share   ⇄ Change tier   ✐ Edit quota   👥 Give feedback

ⓘ Enable Backup for file share "fileshare-windows" to protect your data. Learn more

⌃ Essentials

Storage account   : fileshare31   Share URL   : https://fileshare31.file.core.windows.net/fileshare-windows

Resource group (move)   : 31-12-23   Redundancy   : Locally-redundant storage (LRS)

Location   : East US   Configuration modified   : 12/31/2023, 9:51:10 PM

Subscription (move)   : Free Trial

Subscription ID   : 22007c0c-9a06-4ca6-9b3d-cbf0984ad5d9

Upload some data – this can also store text data.

Browse any file and upload.
Click on connect – windows –
show script.

Upload files   ✕

┌──┐
│   │
│   ☁⬆   │
│   │
│   1 file(s) selected: azruneindows.txt   │
│   Drag and drop files here or Browse for files │
│   ‿   │
│   │
└──┘

☐ Overwrite if files already exist

Upload   ✓

| File shares > New file share >

📌 ...

🔗 Connect   ⬆ Upload   🔄 Refresh   ＋ Add directory   🗑 Delete share   ⇄ Change tier   ✎

ⓘ Enable Backup for file share "fileshare-windows" to protect your data. Learn more

⌃ **Essentials**

Storage account	: fileshare31	Share
Resource group (move)	: 31-12-23	Redu
Location	: East US	Confi
Subscription (move)	: Free Trial	
Subscription ID	: 22007c0c-9a06-4ca6-9b3d-cbf0984ad5d9	

Properties   Capabilities (2)   Tutorials

🗄 **Size**   📁 F

Maximum capacity	5 TiB	S
Used capacity	0 B	
Tier	Transaction optimized	◆ I

⏱ **Performance**   D

Maximum IO/s ⓘ	1000	D
Ingress rate ⓘ	60 MiB / s	

◆ S

Connect   ✕
fileshare-windows

⚠ 'Secure transfer required' is enabled on the storage account. SMB clients connecting to this share must support SMB protocol version 3 or higher in order to handle the encryption requirement. Click here to learn more.

Windows   Linux   macOS

To connect to this Azure file share from Windows, choose from the following authentication methods and run the PowerShell commands from a normal (not elevated) PowerShell terminal:

Drive letter
┌──┐
│ Z   ⌄   │
└──┘

Authentication method
◯ Active Directory or Microsoft Entra
◉ Storage account key

ⓘ Connecting to a share using the storage account key is only appropriate for admin access. Mounting the Azure file share with the Active Directory or Microsoft Entra identity of the user is preferred. Learn more

┌──────────────┐
│ Show Script │   ✓
└──────────────┘

This script will check to see if this storage account is accessible via TCP port 445,

---

Copy the script – launch new VM and open PowerShell run as an
administrator – paste the script and the file share is mounted – open
file explorer – your pc – new file share.

Connect   ✕
fileshare-windows

┌──────────────┐
│ Hide Script │
└──────────────┘

```
$connectTestResult = Test-NetConnection -ComputerName
fileshare31.file.core.windows.net -Port 445
if ($connectTestResult.TcpTestSucceeded) {
    # Save the password so the drive will persist on reboot
    cmd.exe /C "cmdkey /add:`fileshare31.file.core.windows.net`
/user:`localhost\fileshare31`
/pass:`Wkhq1MfcukZ7VcMKGY94WrAQWCEhAqVhjCAOkjKloc14dku1yJo8Gd
6tGZrPEdF7vw7MiuC35H0A+AStkmUEjw==`"
    # Mount the drive
    New-PSDrive -Name Z -PSProvider FileSystem -Root
"\\fileshare31.file.core.windows.net\fileshare-windows" -Persist
} else {
    Write-Error -Message "Unable to reach the Azure storage account via port
445. Check to make sure your organization or ISP is not blocking port 445, or
use Azure P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic
over a different port."
}
```
                                                            📋 ✓

This script will check to see if this storage account is accessible via TCP port 445, which is the port SMB uses. If port 445 is available, your Azure file share will be persistently mounted. Your organization or internet service provider (ISP) may block port 445, however you may use Azure Point-to-Site (P2S) VPN, Azure Site-to-Site (S2S) VPN, or ExpressRoute to tunnel SMB traffic to your Azure file share over a different port.

Note: The script will only work on Windows Server 2012 and above.

Learn how to circumvent the port 445 problem (VPN)

```
Administrator: Windows PowerShell

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\siddharth> $connectTestResult = Test-NetConnection -ComputerName sa080124.file.core.windows.net -Port 445
PS C:\Users\siddharth> if ($connectTestResult.TcpTestSucceeded) {
>>     # Save the password so the drive will persist on reboot
>>     cmd.exe /C "cmdkey /add:`"sa080124.file.core.windows.net`" /user:`"localhost\sa080124`" /pass:`"mVo2PK4i6wbOdfOtUynbOTc3roxdhdlNAEFhSU2VQo0QomFbx+doV0pRY1ETfyfSEatsKz2MTfuP+AStGrteIw==`""
>>     # Mount the drive
>>     New-PSDrive -Name Z -PSProvider FileSystem -Root "\\sa080124.file.core.windows.net\mynewfileshare" -Persist
>> } else {
>>     Write-Error -Message "Unable to reach the Azure storage account via port 445. Check to make sure your organization or ISP is not blocking port 445, or use Azure P2S VPN, Azure S2S VPN, or Express Route to
 tunnel SMB traffic over a different port."
>> }

CMDKEY: Credential added successfully.

Name           Used (GB)     Free (GB) Provider      Root                                             CurrentLocation
----           ---------     --------- --------      ----                                             ---------------
Z                   0.01       5119.99 FileSystem    \\sa080124.file.core.windows.net...


PS C:\Users\siddharth> _
```
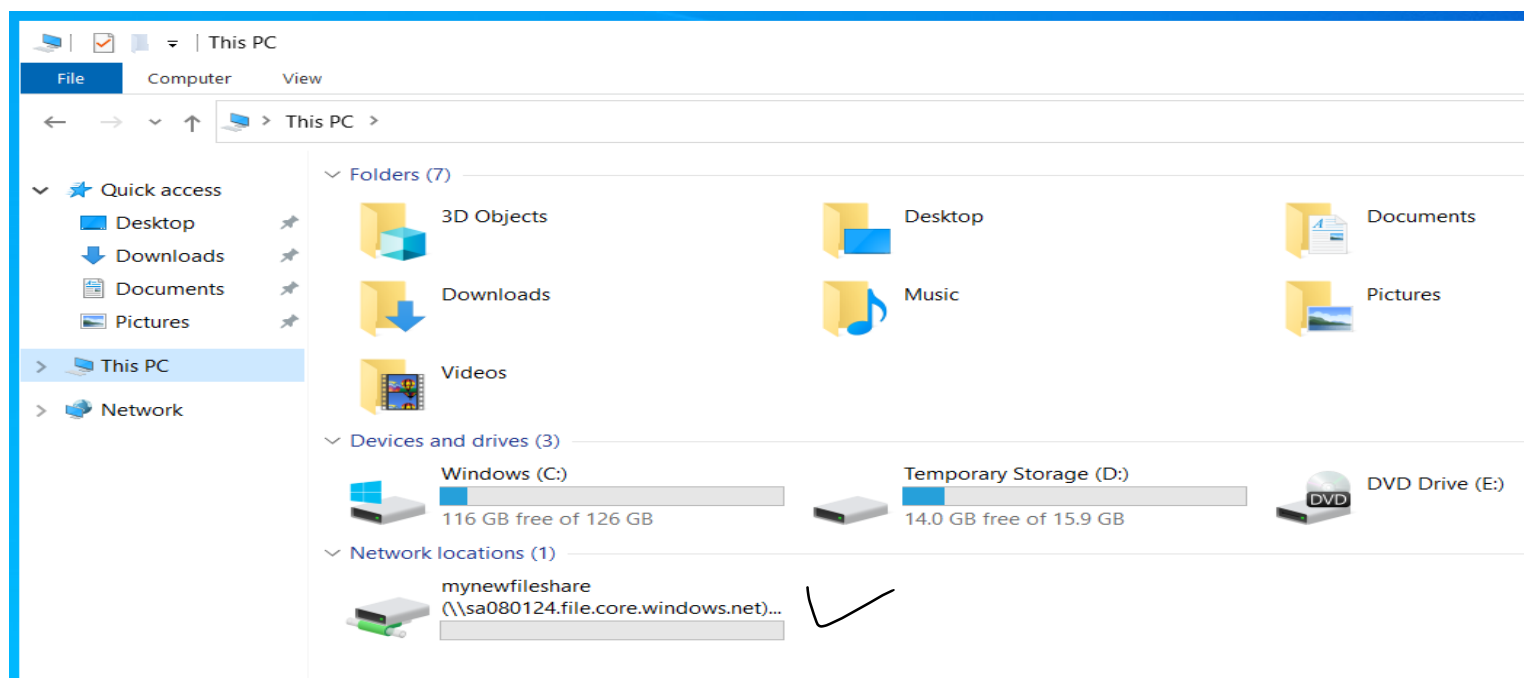


```
This PC

File    Computer    View

   ←  →  ↑    This PC >

Quick access          Folders (7)
  Desktop               3D Objects          Desktop              Documents
  Downloads
  Documents             Downloads           Music                Pictures
  Pictures
This PC                 Videos

Network
                       Devices and drives (3)
                         Windows (C:)         Temporary Storage (D:)    DVD Drive (E:)
                         116 GB free of 126 GB   14.0 GB free of 15.9 GB

                       Network locations (1)
                         mynewfileshare
                         (\\sa080124.file.core.windows.net)...
```

Create a Linux Virtual Machine open http as well as https port – create a Resource group – using RG create a Storage Account and File share upload some file – connect VM using CMD – Copy the script from file share connect and paste into CMD to mount a file share.

```
siddharth@linxvm:~$ sudo mkdir /mnt/fs-new
ho "password=wr6siNtmojgHaQIWpdwuw/HdSYLubGFGJHnSypLHYoFMwwazQ5H8B0qM10qsVyvGquZN/eKVEYbn+AStQigPSw==" >> /etc/smbcredentials/storeacc100124.cred'
fi
sudo chmod 600 /etc/smbcredentials/storeacc100124.cred

sudo bash -c 'echo "//storeacc100124.file.core.windows.net/fs-new /mnt/fs-new cifs nofail,credentials=/siddharth@linxvm:~$ if [ ! -d "/etc/smbcredentials" ]; then
> sudo mkdir /etc/smbcredentials
> fi
etc/smbcredentials/storeacc100124.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30" >> /etc/fstab'
sudo mount -t cifs //storeacc100124.file.core.windows.net/fs-new /mnt/fs-new -o credentials=/etc/smbcredentials/storeacc100124.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=30siddharth@linxvm:~
$ if [ ! -f "/etc/smbcredentials/storeacc100124.cred" ]; then
>       sudo bash -c 'echo "username=storeacc100124" >> /etc/smbcredentials/storeacc100124.cred'
>       sudo bash -c 'echo "password=wr6siNtmojgHaQIWpdwuw/HdSYLubGFGJHnSypLHYoFMwwazQ5H8B0qM10qsVyvGquZN/eKVEYbn+AStQigPSw==" >> /etc/smbcredentials/storeacc100124.cred'
> fi
siddharth@linxvm:~$ sudo chmod 600 /etc/smbcredentials/storeacc100124.cred
siddharth@linxvm:~$
siddharth@linxvm:~$ sudo bash -c 'echo "//storeacc100124.file.core.windows.net/fs-new /mnt/fs-new cifs nofail,credentials=/etc/smbcredentials/storeacc100124.cred,dir_mode=0777,file_mode=0777,serverino,nosharesoc
k,actimeo=30" >> /etc/fstab'
siddharth@linxvm:~$ sudo mount -t cifs //storeacc100124.file.core.windows.net/fs-new /mnt/fs-new -o credentials=/etc/smbcredentials/storeacc100124.cred,dir_mode=0777,file_mode=0777,serverino,nosharesock,actimeo=
30
siddharth@linxvm:~$ cd /mnt/fs-new
siddharth@linxvm:/mnt/fs-new$ ls
siddharth@linxvm:/mnt/fs-new$ ls
Doc1.jpg
siddharth@linxvm:/mnt/fs-new$
```

```
siddharth@linxvm:/mnt/fs-new$ touch new.txt
siddharth@linxvm:/mnt/fs-new$ ls
Doc1.jpg  new.txt
siddharth@linxvm:/mnt/fs-new$
```

🖉 Connect   ↑ Upload   + Add directory   ↻ Refresh   🗑 Delete share   🌡 Change tier   ✏ Edit quota

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

🔍 Search files by prefix

Name	Type
📄 Doc1.jpg	File
📄 new.txt	File

fs-new
SMB File share

🔍 Search

Overview

🔧 Diagnose and solve problems

👥 Access Control (IAM)

📁 Browse

Operations

⚙️ Snapshots

☁️ Backup

🔌 Connect   ⬆️ Upload   🔄 Refresh   ➕ Add directory   🗑️ Delete share   ⇄ Change tier   ✏️

ℹ️ Enable Backup for file share "fs-new" to protect your data. Learn more

⌄ **Essentials**

Storage account	: storeacc100124
Resource group (move)	: 10-01-24
Location	: East US
Subscription (move)	: Free Trial
Subscription ID	: dfe5760d-8ca2-4f3e-af83-62c16886c3b7

Properties   Capabilities (2)   Tutorials

🗄️ **Size**

Maximum capacity	5 TiB
Used capacity	364.34 KiB
Tier	Transaction optimized

⏱️ **Performance**

Maximum IO/s ⓘ	1000
Ingress rate ⓘ	60 MiB / s
Egress rate ⓘ	60 MiB / s

Connect
fs-new

⚠️ 'Secure transfer required' is enabled on the storage account. SMB clients connecting to this share must support SMB protocol version 3 or higher in order to handle the encryption requirement. Click here to learn more.

Windows   **Linux**   macOS

Mount point

fs-new

To connect to this file share from a Linux computer, run this command:

Hide Script

```
sudo mkdir /mnt/fs-new
if [ ! -d "/etc/smbcredentials" ]; then
sudo mkdir /etc/smbcredentials
fi
if [ ! -f "/etc/smbcredentials/storeacc100124.cred" ]; then
    sudo bash -c 'echo "username=storeacc100124" >>
/etc/smbcredentials/storeacc100124.cred'
    sudo bash -c 'echo
"password=wr6siNtmojgHaQIWpdwuw/HdSYLubGFGJHnSypLHYoFMwwazQ5
H8B0qM10qsVyvGquZN/eKVEYbn+AStQigPSw==" >>
/etc/smbcredentials/storeacc100124.cred'
fi
sudo chmod 600 /etc/smbcredentials/storeacc100124.cred
```

🗨️ Give feedback

Assignment 4

Tasks To Be Performed:

1. Create a Storage account, and upload some files in Blob storage
2. Create a CDN profile
3. Create an endpoint and connect to the Azure Blob to access the files uploaded

Create a resource group – create a storage account using resource group – disable soft delete for containers, blob and file shares.

Home > Storage accounts >

Create a storage account ...

Basics | Advanced | Networking | **Data protection** | Encryption | Tags | Review

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

☐ Enable soft delete for containers

Soft delete enables you to recover containers that were previously marked for deletion. Learn more

☐ Enable soft delete for file shares

Soft delete enables you to recover file shares that were previously marked for deletion. Learn more

Tracking

Manage versions and keep track of changes made to your blob data.

| Review | | < Previous | Next : Encryption > |

Filter for any field... | Subscription equals **all** | Resource group equals **all** ✕ | Location equals **all** ✕ | Add filter

Showing 1 to 2 of 2 records.

☐ Name ↑↓	Type ↑↓	Kind ↑↓	Resource group ↑↓
☐ cdnhandson	Storage account	StorageV2	storage
☐ csg1003200322b618f7	Storage account	StorageV2	cloud-shell-storage-centralindia

Inside the storage account – move to configuration- enable anonymous blob access for allowing public to access data – HOT inferred – save.

cdnhandson | Configuration 📌 ☆ ...
Storage account

🔍 Search ‹‹ | 💾 Save ✕ Discard ↻ Refresh 📝 Give feedback

🛡 Data protection

The cost of your storage account depends on the usage and the options you choose be

🔄 Object replication

Account kind
StorageV2 (general purpose v2)

📋 Blob inventory

Performance ⓘ

🌐 Static website

◉ Standard ○ Premium

🔁 Lifecycle management

ⓘ This setting cannot be changed after the storage account is created.

🔍 Azure AI Search

Secure transfer required ⓘ

Settings

○ Disabled ◉ Enabled

💻 Configuration

Allow Blob anonymous access ⓘ ✓

🔼 Data Lake Gen2 upgrade

○ Disabled ◉ Enabled

🔄 Resource sharing (CORS)

ⓘ Some blobs may become anonymously readable.

⭐ Advisor recommendations

Allow storage account key access ⓘ

📊 Endpoints

○ Disabled ◉ Enabled

🔒 Locks

Allow recommended upper limit for shared access signature (SAS) expiry interval ⓘ

Monitoring

◉ Disabled ○ Enabled

💡 Insights

Default to Microsoft Entra authorization in the Azure portal ⓘ

🔔 Alerts

◉ Disabled ○ Enabled

📈 Metrics

Minimum TLS version ⓘ

📚 Workbooks

Version 1.2

Go inside the- container -create the container-
upload any file inside –copy the link – try to
access with a new window- mention that blob
storage object would store only unstructured data
which is video, jpg and so on.

wallpaperflare.com_wallpaper (5).jpg ···
Blob

💾 Save   ✕ Discard   ↓ Download   ⟳ Refresh   🗑 Delete   ⇄ Change tier

Overview   Versions   Snapshots   Edit   Generate SAS

Properties

URL	https://cdnhandson.blo... 🗐 ✓
LAST MODIFIED	12/22/2023, 9:11:51 PM
CREATION TIME	12/22/2023, 9:11:51 PM
VERSION ID	-
TYPE	Block blob
SIZE	168.85 KiB
ACCESS TIER	Hot (Inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8DC0304844D5FB7
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	
CONTENT-TYPE	image/jpeg
CONTENT-MD5	WjYfdkCBIsz3P8SWvNJv8Q==
CONTENT-ENCODING	
CONTENT-LANGUAGE	

New container   ✕

Name *

storage   ✓   ✓

Anonymous access level ⓘ

Blob (anonymous read access for blobs only)   ✓   ∨

⚠ Blobs within the container can be read by anonymous request,
but container data is not available. Anonymous clients cannot
enumerate the blobs within the container.

∨   Advanced

For testing the time require to access the file – click on three dots – choose more tools- developers tools in network we observe time.
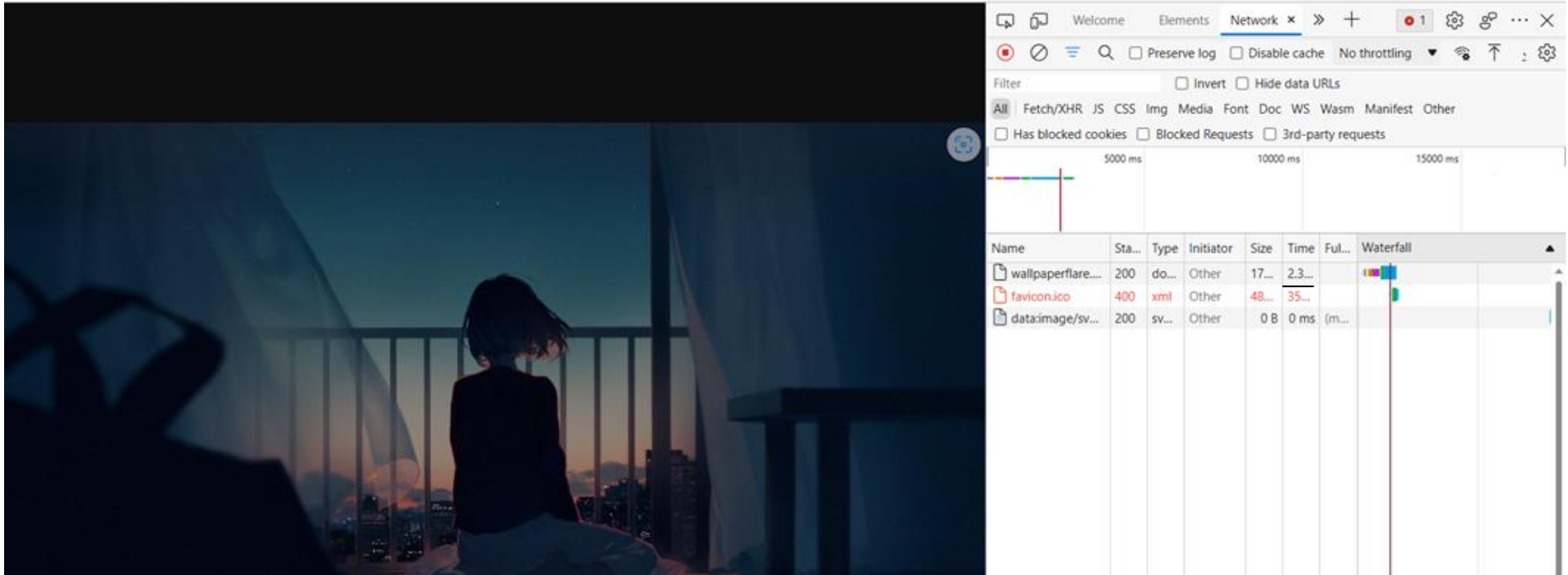
For reducing the time to access the file we need to create CDN(Content delivery network) – before doing that – Go to subscription account – under resource providers search for CDN service and register.

Search for CDN service – create- we can create the endpoint as creating the CDN and also after creating the CDN.

Compare offerings
Microsoft Azure

Choose between Azure Front Door and other offerings.

Azure Front Door ○	Explore other offerings ◉
Azure Front Door is a secure cloud CDN which provides static and dynamic content acceleration, global load balancing and protection of your apps, APIs and websites with intelligent threat protection.	See offerings for our Azure Front Door (classic) and Azure CDN Standard from Microsoft (classic), along with our partner offerings.

Choose other offerings

Azure Front Door (classic) ○	Azure CDN Standard from Microsoft (classic) ◉	Azure CDN Premium from Edgio ○	Azure CDN Standard from Edgio ○
A global and scalable entry point that uses Microsoft global network to provide dynamic application acceleration, load balancing and security.	A global content delivery network that uses Microsoft global network for content caching and acceleration.	Edgio Media operates a global CDN platform with a focus on media streaming, delivery and security.	Edgio Media operates a global CDN platform with a focus on media streaming, delivery and security.

Continue

+ Create   ⚙ Manage view ∨   ↻ Refresh   ↓ Export to CSV   ⌘ Open query | ⬚ Assign tags

Filter for any field... | Subscription equals **all** ✕   Resource group equals **all** ✕   Location equals **all** ✕   +⥥ Add filter

Showing 1 to 1 of 1 records.

☐ Name ↑↓	Pricing tier ↑↓	Service type ↑↓	Resource ID ↑↓	Subscription ↑↓
☐ ☁ cdntest	Classic	Microsoft CDN	/subscriptions/22007c0c...	Free Trial

---

CDN profile ⋯

Basics   Tags   Review + create

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources. Learn more ⧉

Subscription *	Free Trial ∨
Resource group *	storage ∨

Create new

Resource group region ⓘ	East US ∨

Profile details

Name *	cdntest ✓
Region	Global

ⓘ CDN profiles are global resources that work across Azure regions

Pricing tier *	Microsoft CDN (classic) ∨

View full pricing details ⧉

Endpoint settings

Create a new CDN endpoint   ☐

Review + create   < Previous   Next: Tags >

Go inside CDN test- click on create new endpoint -add

Add an endpoint

Allows configuring content delivery behavior and access.

Name *

newend

.azureedge.net

Origin type *

Storage ✓

Origin hostname * ⓘ

cdnhandson.blob.core.windows.net ✓

Origin path ⓘ

/storage ✓   Container path.

Origin host header ⓘ

cdnhandson.blob.core.windows.net ✓

☐ HTTP port ⓘ

80

☑ HTTPS port ⓘ
*

443

Optimized for ⓘ

General web delivery

Add

Endpoints

Hostname	↑↓	Status	↑↓	Protocol	↑↓	Origin type	↑↓	Custom domains	↑↓
newend.azureedge.net		✓ Running		HTTPS		Storage			

Copy the endpoint host name and try to access in new window .

➕ Custom domain   🔗 Purge   ☐ Stop   🗑 Delete

∧ Essentials

Resource group (move) : storage   Endpoint hostname : https://newend.azureedge.net ✓

Status   : Running   Origin hostname   : https://cdnhandson.blob.core.windows.net

Location   : Global   Protocols   : HTTPS

Subscription (move) : Free Trial   Optimization type : General web delivery

Subscription ID   : 22007c0c-9a06-4ca6-9b3d-cbf0984ad5d9

Custom domains

Hostname	↑↓	Custom HTTPS	↑↓	Details
There are no custom domains to display				

Assignment 5

Tasks To Be Performed:

1. Create a storage account
2. Use the Blob service and upload some files in it
3. Change the access tier to archive

While uploading the file – advance settings- choose archive tier.

Upload blob ✕

1 file(s) selected: Doc1.jpg

Drag and drop files here or Browse for files

☐ Overwrite if files already exist

∧ Advanced ✓

Blob type ⓘ

Block blob ⌄

☑ Upload .vhd files as page blobs (recommended)

Block size ⓘ

4 MiB ⌄

Access tier ⓘ ✓

Hot (Inferred) ⌄

Upload to folder

Blob index tags ⓘ

Upload blob

Blob type ⓘ

Block blob

☑ Upload .vhd files as page blo

Block size ⓘ

4 MiB

Access tier ⓘ

Hot (Inferred)

Upload to folder

Blob index tags ⓘ

Key

Encryption scope

⦿ Use existing default contain

◯ Choose an existing scope

Retention policy ⓘ

◉ No retention

◯ Choose custom retention pe

Hot (Inferred)

Hot

Cool

Cold

Archive ✓