#### 1. Upload All Static Content of Your Website to Azure

 Use Azure Blob Storage to store all static assets (like images, CSS, and JavaScript files).

## Steps:

# Create Storage Account for Team 1

az storage account create --name shahidteam1 --resource-group rg-1 --location "South Central US" --sku Standard\_LRS --tags

Step 2: Create a Blob Container

az storage container create --name mycontainer --account-name shahidteam1

```
Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.

new [ ~ ]$ az storage container create --name mycontainer --account-name shahidteam1

There are no credentials provided in your command and environment, we will query for account key for your storage account.

It is recommended to provide --connection-string, --account-key or --sas-token in your command as credentials.

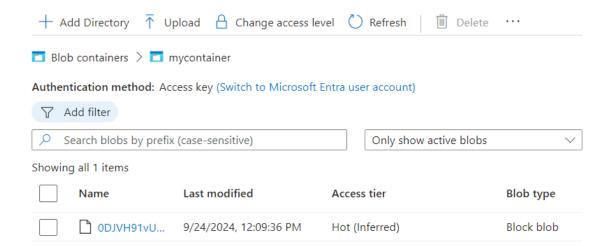
You also can add `--auth-mode login` in your command to use Azure Active Directory (Azure AD) for authorization if your login account if For more information about RBAC roles in storage, visit https://docs.microsoft.com/azure/storage/common/storage-auth-aad-rbac-cli.

In addition, setting the corresponding environment variables can avoid inputting credentials in your command. Please use --help to get

"created": true

}
new [ ~ ]$ [
```

## Step 3: Upload Files



## 2. Create Storage Accounts for Critical and Non-Critical Data

• Set up two storage accounts: one for critical data and another for non-critical data. Enable both global and local replication.

### Steps:

# Create a storage account for critical data

az storage account create --name mycriticaldata --resource-group rg-1 --location eastus --sku Standard\_GRS

# Create a storage account for non-critical data

az storage account create --name mynoncriticaldata --resource-group rg-1 --location eastus --sku Standard\_LRS

#### 3. Use Shared Access Keys to Link the Web App with the Storage Account

• Use the shared access keys to connect your web application to the Azure storage accounts.

### Steps:

# Get the connection string for the storage account

az storage account show-connection-string --name shahidteam1 --resource-group rg-

*Use the connection string in your web application code to access the storage account.* 

## 4. Create a CDN Endpoint and Configure It to Serve the Static Files

• Set up Azure CDN to cache and serve the static files.

#### Steps:

# Create a CDN profile

az cdn profile create --name mycdnprofile --resource-group rg-1 --sku Standard\_Verizon --location eastus

# Create a CDN endpoint

az cdn endpoint create --name mycdnendpoint --profile-name mycdnprofile -resource-group rg-1 --location eastus --origin shahidteam1.blob.core.windows.net

## 5. Create an Azure File Share and Upload All Tools and Files

• Create an Azure File Share for sharing tools and files among colleagues.

#### Steps:

# Create a storage account for file sharing

az storage account create --name shahidteam2 --resource-group rg-1 --location "South Central US" --sku Standard\_LRS

# Create a file share

az storage share create --name shahidteam1fileshare --account-name shahidteam2

# Upload files to the file share

+	Add Directory 🕇 U	pload 🔒 Change access I	evel C Refresh Delete	•••		
■ Blob containers > ■ mycontainer						
Authentication method: Access key (Switch to Microsoft Entra user account)						
$\nabla$	Add filter					
Q	Search blobs by prefix (case-sensitive)  Only show active blobs			~		
Showing all 1 items						
	Name	Last modified	Access tier	Blob type		
	DJVH91vU	9/24/2024, 12:09:36 PM	Hot (Inferred)	Block blob		

#### Connect a Linux and Windows VM Box to the File Share

#### **Mount the File Share on Linux**

## **Step 1: Install cifs-utils**

You need to have cifs-utils installed. You can install it using the following command:

For Ubuntu:

sudo apt update

sudo apt install cifs-utils

## **Step 2: Create a Mount Point**

Create a directory to mount the file share:

sudo mkdir /mnt/shahidteam2

## **Step 3: Mount the File Share**

Use the following command to mount the file share:

sudo mount -t cifs //shahidteam2.file.core.windows.net/shahidteam1fileshare /mnt/shahidteam2 -o vers=3.0,username=shahidteam2,password=<password>',dir\_mode=0777,file\_mode=0777,sec=ntlmssp

## For Windows VM:

- 1. Open **File Explorer**.
- 2. Click on This PC.
- 3. Click on the **Computer** tab and then select **Map network drive**.



## What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Orive:	Z:	
older:	~	Browse
	Example: \\server\share	
	Reconnect at sign-in	
	Connect using different credentials	
	Connect to a Web site that you can use to store your	documents and pictures.

4. Choose a drive letter (e.g., Z:).

5. In the Folder box, enter the following:

## $\verb|\shahidteam2.file.core.windows.net\shahidteam1fileshare| \\$

6. Click on **Connect using different credentials**.

# What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive:	Z: ~
Folder:	\\shahidteam2.file.core.windows.net\shahidtea \to Browse
	Example: \\server\share
	Reconnect at sign-in
	✓ Connect using different credentials
	Connect to a Web site that you can use to store your documents and pictures

7. For the username, enter:

## Azure\shahidteam2

8. For the password, use a storage account key, which you can get by running:

az storage account keys list --account-name shahidteam2 --query "[0].value" --output tsv

9. Click **OK** to mount the drive.