

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
```

```
new [- ?] az storage account create --name shahidteam1 --resource-group rg-1 --location "South Central US" --sku Standard_LRS --tags team=Team1
{
  "accessTier": "Hot",
  "accountMigrationInProgress": null,
  "allowBlobPublicAccess": false,
  "allowCrossTenantReplication": false,
  "allowSharedKeyAccess": null,
  "allowedCopyScope": null,
  "azureFilesIdentityBasedAuthentication": null,
  "blobRestoreStatus": null,
  "creationTime": "2016-03-10T21:47:02.0000000Z"
}
```

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
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


+ Add Directory
↑ Upload
🔒 Change access level
🔄 Refresh
🗑 Delete
⋮

📁 Blob containers > 📁 mycontainer

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

🔍 Add filter

Showing all 1 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type
<input type="checkbox"/>	 0DJVH91vU...	9/24/2024, 12:09:36 PM	Hot (Inferred)	Block blob

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-1
```

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](#) [↑ Upload](#) [🔒 Change access level](#) [🔄 Refresh](#) | [🗑 Delete](#) [...](#)

[Blob containers](#) > [mycontainer](#)

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

[🔍 Add filter](#)

Showing all 1 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type
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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**.

←  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:

Drive: 

Folder: 

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:


\\shahidteam2.file.core.windows.net\shahidteam1fileshare


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



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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.