In this lab you will learn how to upload a new text file to your Azure storage account using the Azure CLI.

Microsoft Azure is a cloud computing service offered and operated by Microsoft. You can use this service to host your data and applications in the cloud.

An Azure storage account is an Azure cloud service that contains all of your Azure storage data objects: blobs, file shares, queues, tables, and disks. You can host files, including images, videos, music and binary, as well as noSQL data and messages in the cloud using this service.

Azure Blob Storage is an Azure storage account service that enables you to host images, videos, music files, VM disks, and more in the cloud.

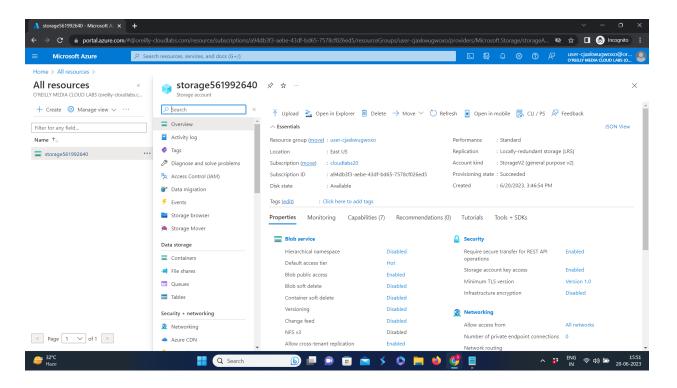
In this lab, you will learn how to do the following:

Create a new blob container in Azure storage account Create a new blob Clean up the blob and storage account

We have already created an Azure storage account for this lab. You'll need this account to work with Blob storage and upload your text file.

```
$ az storage account show -g $resource -n $storageAccountName
  "accessTier": "Hot",
  "allowBlobPublicAccess": true,
  "allowCrossTenantReplication": null,
  "allowSharedKeyAccess": null,
  "allowedCopyScope": null,
  "azureFilesIdentityBasedAuthentication": null,
  "blobRestoreStatus": null,
  "creationTime": "2023-06-20T10:16:54.746871+00:00",
  "customDomain": null,
  "defaultToOAuthAuthentication": null,
  "dnsEndpointType": null,
  "enableHttpsTrafficOnly": true,
  "enableNfsV3": null,
  "encryption": {
    "encryptionIdentity": null,
    "keySource": "Microsoft.Storage",
```

Now that we have our storage account ready, let's create a Blob storage container.



Step 3: Create a New Container

In order to host Blob files in an Azure storage account, you need to first create a container. A container organizes a set of blobs, similar to the way a directory organizes files and other directories in a file system. A storage account can include an unlimited number of containers, and a container can store an unlimited number of blobs.

One of the methods you can use to authenticate into a storage account is an account key. The following command fetches the primary mykatastorageaccount account key and stores it into the \$storageKey environment variable:

storageKey=\$(az storage account keys list -g \$resource -n \$storageAccountName --output json --query [0].value)

Now you can run the following command to create a new container, myfiles, in your storage account:

az storage container create -n myfiles --account-name \$storageAccountName --account-key \$storageKey

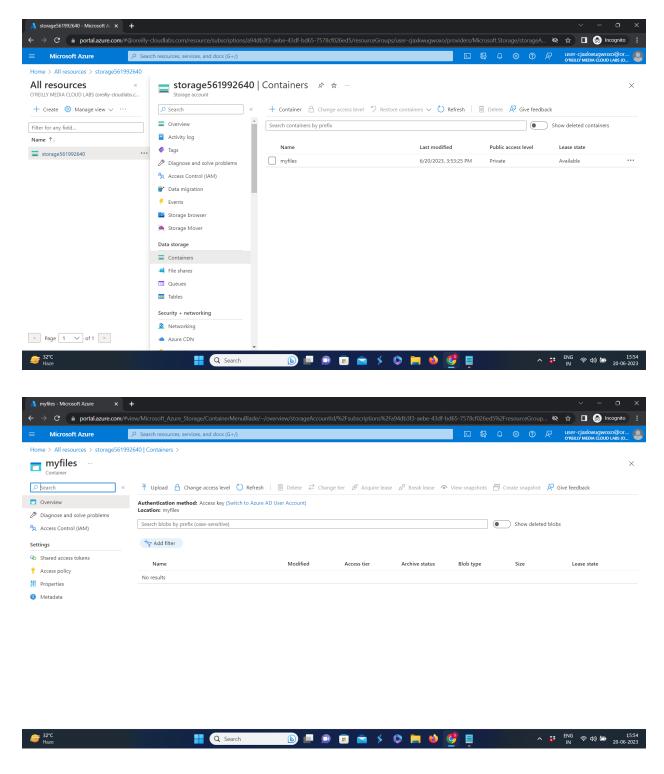
Use the following command to confirm that the new container appears in your storage account:

az storage container list --account-name \$storageAccountName --account-key \$storageKey

Make sure you can see the myfiles container in the list.

```
$ storageKey=$(az storage account keys list -g $resource -n $storageAccountName --output json --query [0].value)
$ az storage container create -n myfiles --account-name $storageAccountName --account-key $storageKey
{
    "created": true
}
$ az storage container list --account-name $storageAccountName --account-key $storageKey
[
    "deleted": null,
    "encryptionScope": "$account-encryption-key",
        "preventEncryptionScopeOverride": false
},
    "immutableStorageWithVersioningEnabled": false,
    "metadata": null,
    "name": "myfiles",
    "preventios",
    "preventios",
    "preventios",
    "metadata": null,
    "name": "myfiles",
    "preventios",
    "p
```

Now we have our container ready. What's the next step? Let's upload a text file to it.



Step 4: Create a Sample Text File It's time finally upload a file to our blob container.

First, we need to create a new file, blob.txt. The following command creates this text file:

echo "This is my first blob file. I will upload it to my first container!" > blob.txt

You can confirm that the file was created by running the following command:

ls

Make sure you can see blob.txt in the list.

Now, let's upload this file to Azure Blob storage.

```
$ echo "This is my first blob file. I will upload it to my first container!" > blob.txt
$ ls
blob.txt
$
```

Step 5: Upload the Text File to the Storage Account Let's upload blob.txt to our new container. Use the following command to do this:

az storage blob upload --account-name \$storageAccountName --account-key \$storageKey --container-name myfiles --file blob.txt --name blob.txt

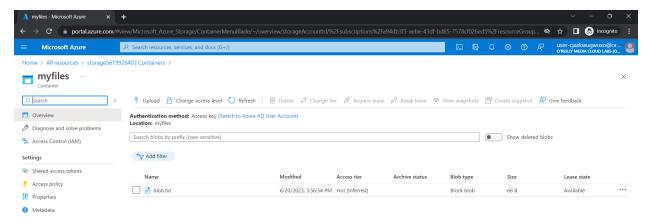
Now, how do we confirm that the file was uploaded? We can use the following command:

az storage blob list --account-name \$storageAccountName --account-key \$storageKey --container-name myfiles

Make sure you can find the blob.txt in the blob names.

Now that we've confirmed that the file was uploaded to Azure storage account, let's take a look at this file in the Azure portal as well.





Step 7: Clean Up the Blob File

Before concluding this lab, use this command to clean up (i.e., delete) the Blob:

az storage blob delete -c myfiles -n blob.txt --account-name \$storageAccountName --account-key \$storageKey

We can also delete the parent container and the storage account, which we'll do in the next step.

## Step 8: Delete the Storage Account

```
$ az storage blob delete -c myfiles -n blob.txt --account-name $storageAccountName --account-key $storageKey $ az storage account delete -n $storageAccountName -g $resource
Are you sure you want to perform this operation? (y/n): y
az storage account list -g $resource
$ az storage account list -g $resource
[]
```