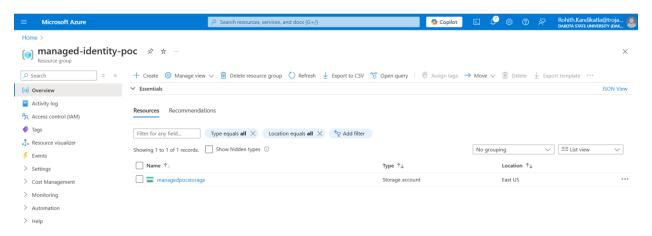
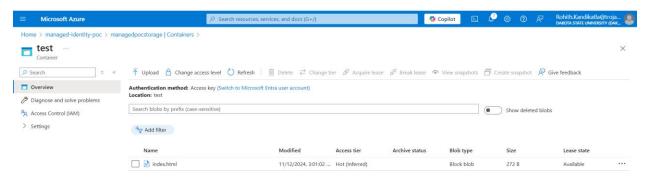
Accessing one resource from another resource using IAM called Managed Identity

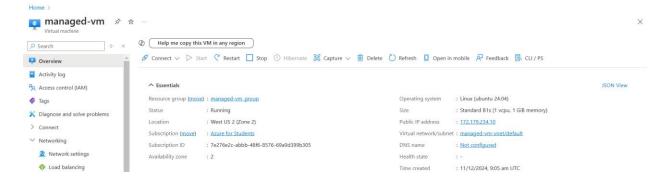
1. Created a resource group



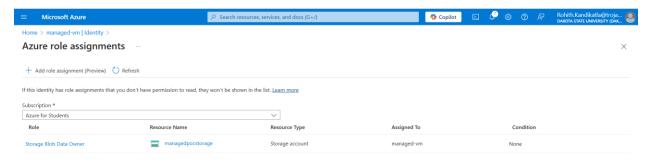
2. Created a storage account and uploaded index.html file



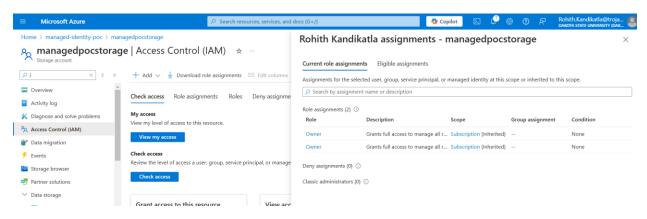
3. Created a VM



4. Assigned a role as a identity for storage account to VM



5. Given owner access of storage account



6. Commands to access Blob from the Virtual Machine

Fetch the access token

access_token=\$(curl 'http://169.254.169.254/metadata/identity/oauth2/token?api-version=2018-02-01&resource=https%3A%2F%2Fstorage.azure.com%2F' -H Metadata:true | jq -r '.access_token')

Access the blob from Virtual Machine

storage_account_name="" container_name="" blob_name=""

curl "https://\$storage_account_name.blob.core.windows.net/\$container_name/\$blob_name" -H "x-ms-version: 2017-11-09" -H "Authorization: Bearer \$access_token"

7. Logged into VM

```
Rohith Kandikatla@DESKTOP-KJOVULU MINGW64 ~ (master)
$ ssh azureuser@172.179.234.10
azureuser@172.179.234.10's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1017-azure x86_64)
 * Documentation:
                   https://help.ubuntu.com
                   https://landscape.canonical.com
 * Management:
                   https://ubuntu.com/pro
 * Support:
 System information as of Wed Dec 11 09:21:04 UTC 2024
  System load:
                                                          110
                0.06
                                  Processes:
  Usage of /:
                6.2% of 28.02GB
                                  Users logged in:
                                  IPv4 address for eth0: 10.0.0.4
  Memory usage: 29%
  Swap usage:
                0%
Expanded Security Maintenance for Applications is not enabled.
53 updates can be applied immediately.
35 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Wed Dec 11 09:10:54 2024 from 66.115.209.42
```

```
access_token=$(curl 'http://169.254.169.254/metadata/identity/oauth2/token?ani-version=2018-02-016resource=https%36%2F%2Fstorage=azz
azureuser@managed vm:~$ access_token>stcurt | http://wor
re.com%2F' - H Metadatatrue | jq -r 'access_token')
% Total % Received % Xferd Average Speed Time
Dload Upload Total
100 1718 100 1718 0 0 151k 0 --:--:-
azureuser@managed-vm:~$ sudo apt install jq
                                                                              Time Current
Left Speed
-:--:- 152k
```

```
azureuser@managed-vm:~$ curl "https://managedpocstorage.blob.core.windows.net/test/index.html" -H "x-ms-version: 2017-11
-09" -H "Authorization: Bearer $access_token"
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Hi Rohith</title>
</head>
<body>
   <h1>Hi Rohith</h1>
   Thanks for testing IAM!
```