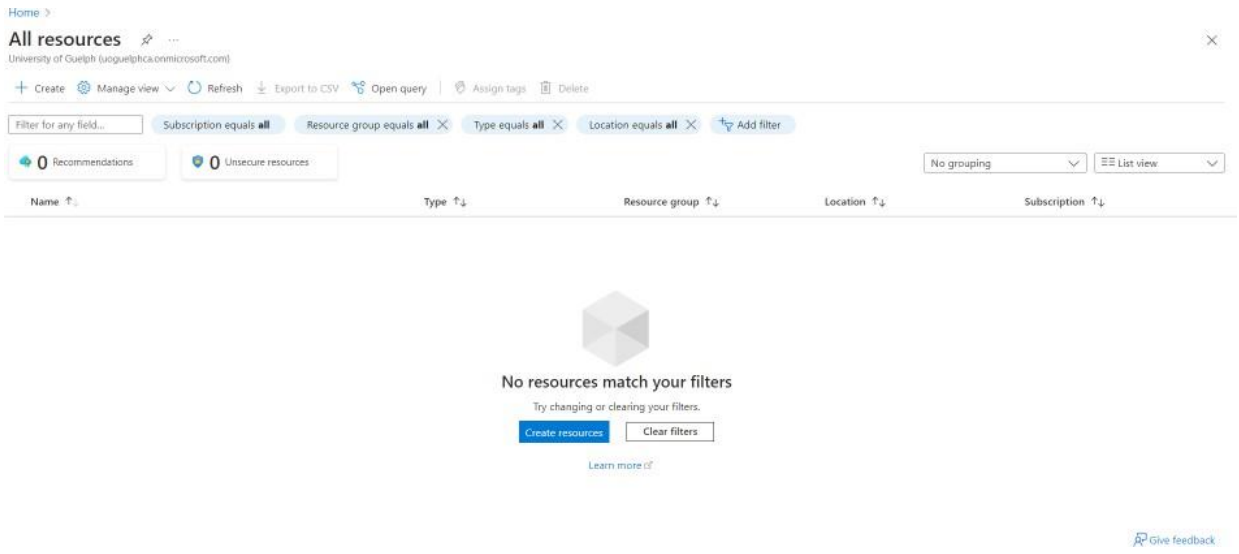
Program Flow and testing information -

- Azure Platform before VM creation -



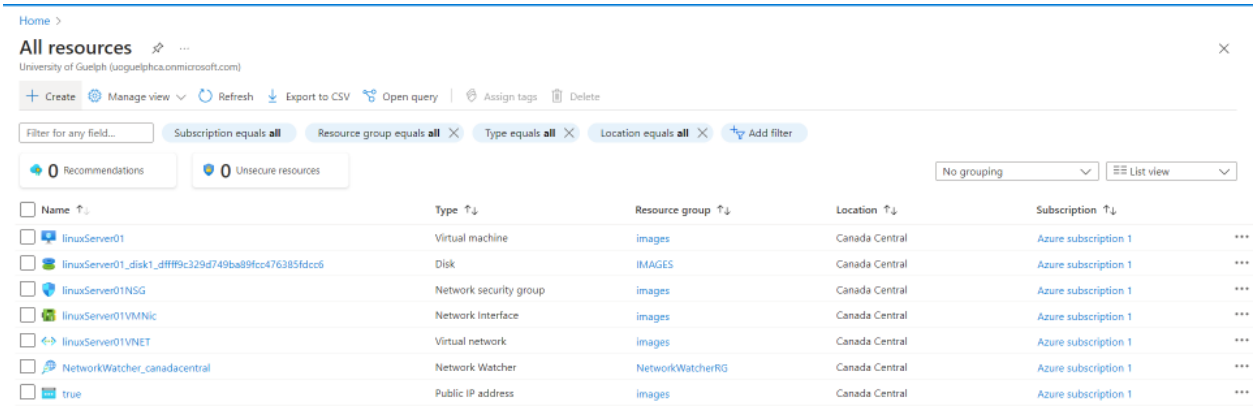
- Using this config file –

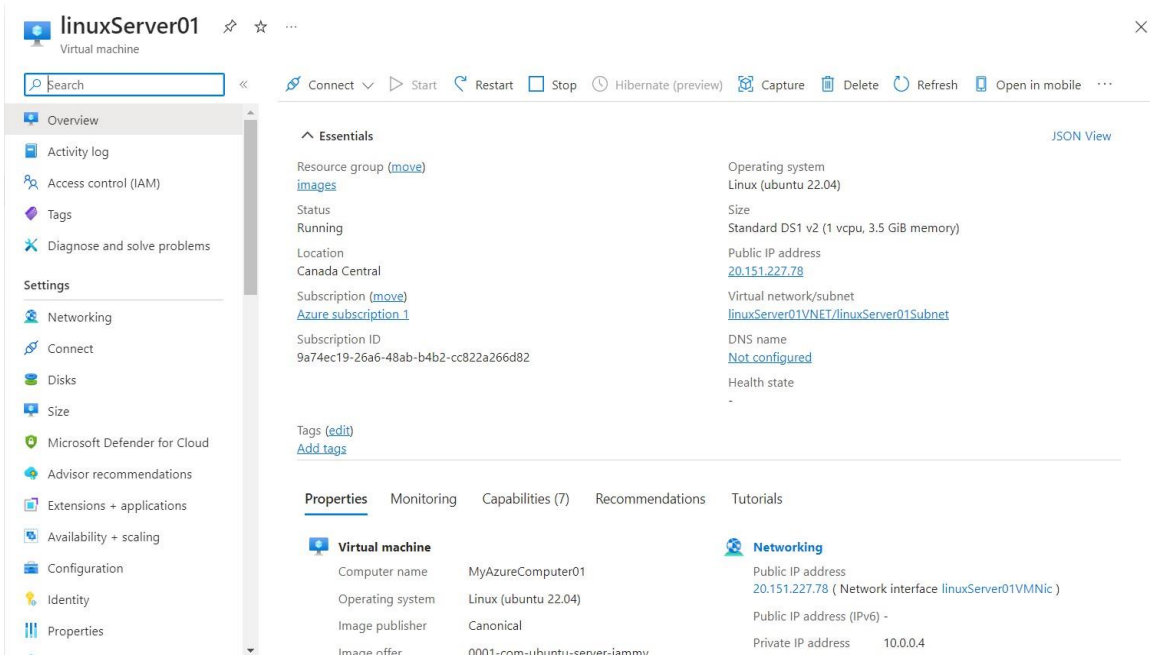
```
[azure01]
purpose =
webserver os
= linux
name =
linuxServer01
resource-group
= images
team = Toronto Office Web
Grls image = Ubuntu2204
location =
canadacentral
public-ip-
address = true
computer-name =
MyAzureComputer01 admin-
username = azureuser
[azure02]
purpose =
office apps os
```

- Running the script and confirming command for 1st VM-

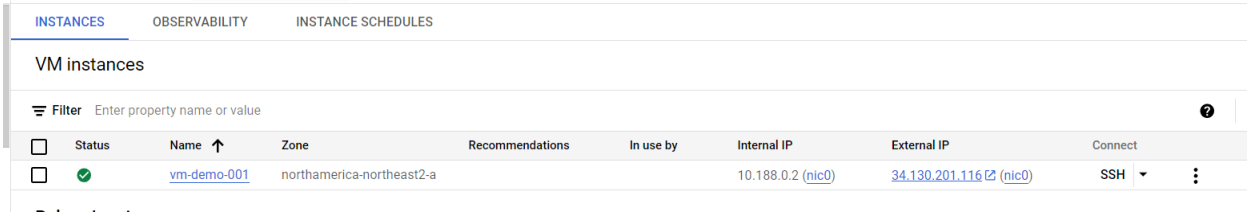
```
PS C:\Users\krajp\CIS4010\A2> python automate.py Azure.conf GCP.conf

MICROSOFT AZURE VM CREATION

Executing command:  az vm create --name linuxServer01 --resource-group images --image Ubuntu2204 --location canadacentral --public-ip-address true --computer-name
 MyAzureComputer01 --admin-username azureuser --generate-ssh-keys --verbose
Do you want to proceed with this command? (Y/N): y
Running the command to create VM...
{
  "fqdns": "",
  "id": "/subscriptions/9a74ec19-26a6-48ab-b4b2-cc822a266d82/resourceGroups/images/providers/Microsoft.Compute/virtualMachines/linuxServer01",
  "location": "canadacentral",
  "macAddress": "60-45-BD-5C-85-A4",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "20.151.227.78",
  "resourceGroup": "images",
  "zones": ""
}
```

- Azure platform after 1st VM creation





- Gcloud platform before creating VMs –



- Running first command –

```
Executing command:  gcloud compute instances create linuxserver01 --image debian-10-buster-v20240110 --image-project debian-cloud --zone northamerica-northeast2-a
 --subnet=default
Do you want to proceed with this command? (Y/N): y
Running the command to create VM...
NAME          ZONE                      MACHINE_TYPE   PREEMPTIBLE  INTERNAL_IP  EXTERNAL_IP    STATUS
linuxserver01  northamerica-northeast2-a  n1-standard-1              10.188.0.6   34.130.207.35  RUNNING
```

- Running second command for GCP VM –

```
Executing command:  gcloud compute instances create linuxserver02 --image ubuntu-pro-1604-xenial-v20240126 --image-project ubuntu-os-pro-cloud --zone northamerica-northeast2-
b --subnet=default
Do you want to proceed with this command? (Y/N): y
Running the command to create VM...
NAME          ZONE                      MACHINE_TYPE   PREEMPTIBLE  INTERNAL_IP  EXTERNAL_IP     STATUS
linuxserver02  northamerica-northeast2-b  n1-standard-1              10.188.0.7   34.130.200.191  RUNNING
```

- GCP config being used –

```
[gcp01]
name = linuxserver01
project = Web Presence Canada
team = Toronto Office Web Team
purpose = webserver
os = linux
image = debian-10-buster-v20240110
imageproject = debian-cloud
zone = northamerica-northeast2-a
```

```
[gcp02]
name = linuxserver02
project = Containers Are Us
team = Toronto Office Container Team
purpose = containers
os = linux
image = ubuntu-pro-1604-xenial-v20240126
imageproject = ubuntu-os-pro-cloud
zone = northamerica-northeast2-b
```