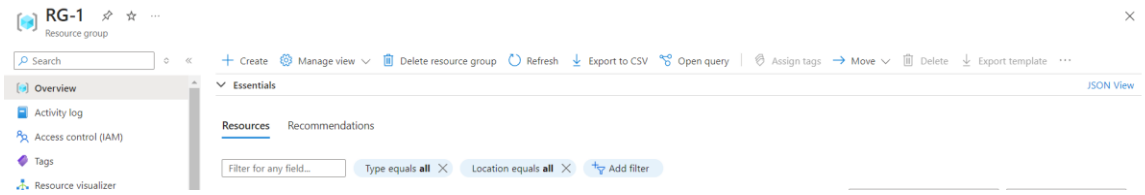
Task: Create a Load Balancer First and Then Deploy VMs

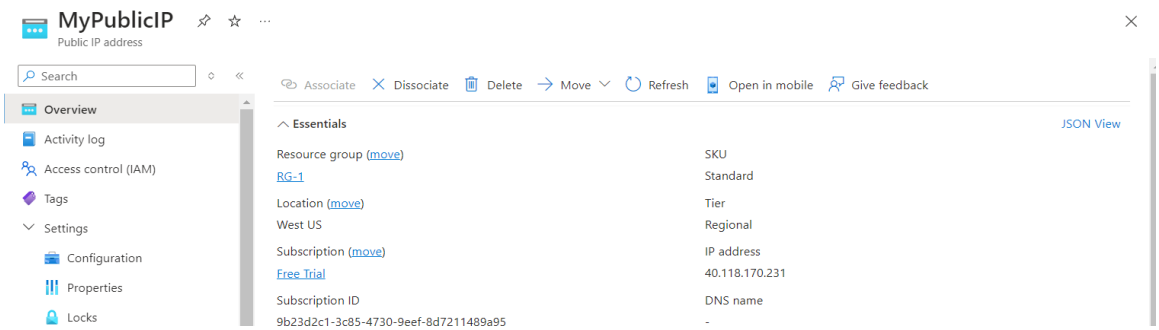
Step 1: Create a Resource Group (if not already created)

1. Go to the Azure Portal.
2. Search for and select "Resource groups".
3. Click on "Create".
4. Fill in the details:
    - **Resource group name**: RG-1
    - **Region**: Select "West US"
5. Click "Review + Create" and then "Create".



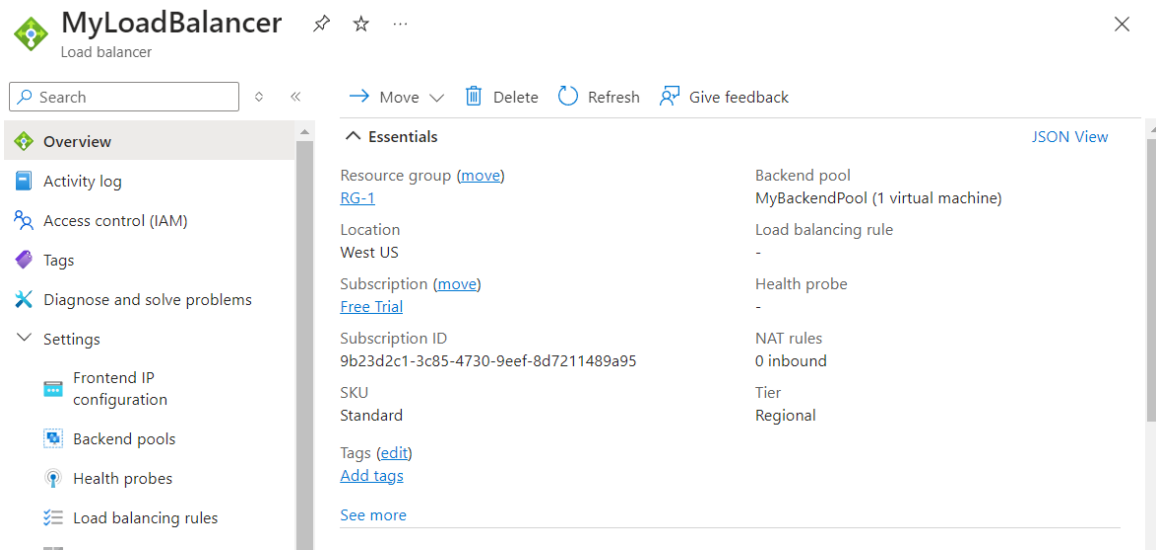
Step 2: Create a Public IP Address for the Load Balancer

1. Go to the Azure Portal.
2. Search for and select "Public IP addresses".
3. Click on "Create".
4. Fill in the details:
    - **Name**: MyPublicIP
    - **SKU**: Standard
5. Click "Review + Create" and then "Create".



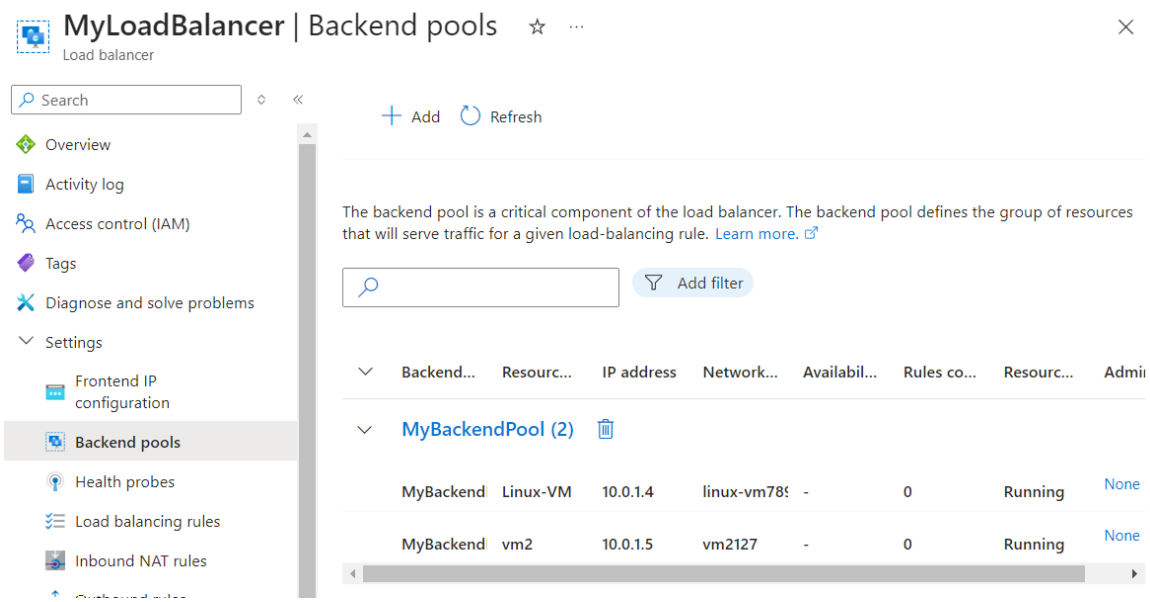
Step 3: Create the Load Balancer

1. In the Azure Portal, search for and select "Load balancers".
2. Click on "Create".
3. Fill in the details:
    - **Name**: MyLoadBalancer
    - **Resource group**: RG-1
    - **SKU**: Standard
    - **Public IP address**: MyPublicIP
4. Click "Review + Create" and then "Create".



Step 4: Create Backend Pool

1. Go to the "MyLoadBalancer" blade.
2. Click on "Backend pools" in the left menu and then "Add".
3. Fill in the details:
    - **Name**: MyBackendPool
4. Click "Add" to create the backend pool.



Step 7: Deploy VM1

1. Go to the Azure Portal.
2. Search for and select "Virtual machines".
3. Click on "Add" and select "Virtual machine".
4. Fill in the details:
    - **VM name**: VM1
    - **Region**: RG-1
    - **Image**: Ubuntu LTS
    - **Admin username**: azureuser
    - **Authentication type**: SSH public key
5. Click on "Review + Create" and then "Create".
6. After VM1 is created, navigate to the "VM1" blade, select "Run command", and then "RunShellScript". Enter the command to install Apache2:

    sudo apt update && sudo apt install -y apache2

Step 8: Deploy VM2

1. Go to the Azure Portal.
2. Search for and select "Virtual machines".

3. Click on "Add" and select "Virtual machine".
4. Fill in the details:
    - **VM name**: VM2
    - **Region**: RG-1
    - **Image**: Ubuntu LTS
    - **Admin username**: azureuser
    - **Authentication type**: SSH public key
5. Click on "Review + Create" and then "Create".
6. After VM2 is created, navigate to the "VM2" blade, select "Run command", and then "RunShellScript". Enter the command to install Apache2:

sudo apt update && sudo apt install -y apache2

Step 9: Update index.html on VM1

1. SSH into VM1:

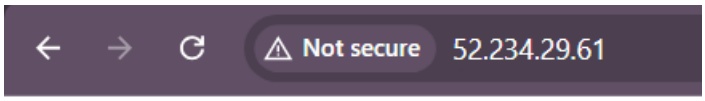
   ssh azureuser@<VM1_Public_IP>

2. Change the index.html file:

sudo apt update && sudo apt install -y apache2

echo "This is VM1" | sudo tee /var/www/html/index.html

```
root@Linux-VM:/home/azureuser# echo "This is VM1" | sudo tee /var/www/html/index.html
This is VM1
root@Linux-VM:/home/azureuser# exit
```



This is VM1

Step 10: Update index.html on VM2

Using Azure CLI:

1. SSH into VM2:

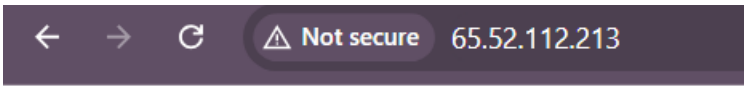
   ssh azureuser@<VM2_Public_IP>

2. Change the index.html file:

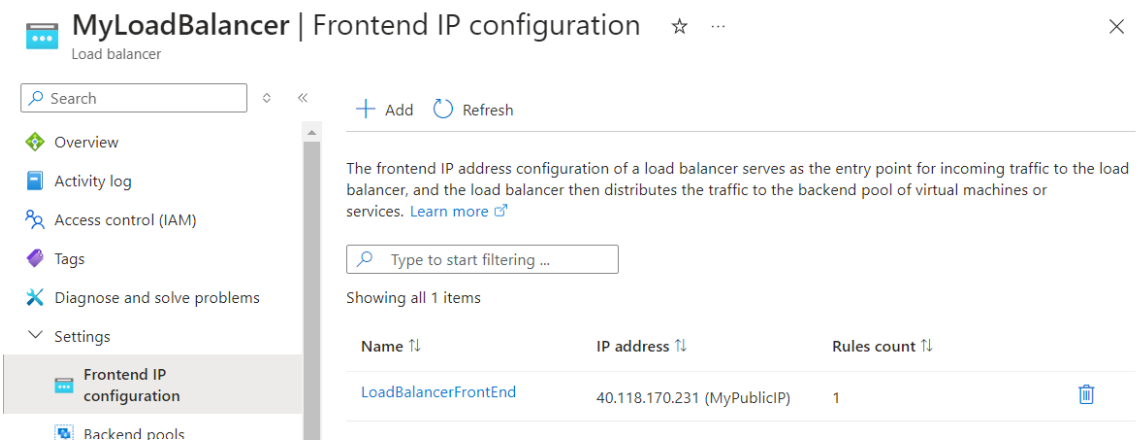
sudo apt update && sudo apt install -y apache2

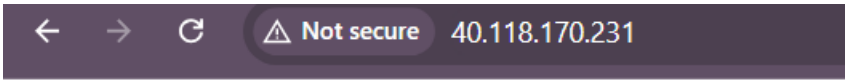
echo "This is VM2" | sudo tee /var/www/html/index.html

```
azureuser@vm2:~$ sudo su
root@vm2:/home/azureuser# echo "This is VM2" | sudo tee /var/www/html/index.html
tee: /var/www/html/index.html: No such file or directory
This is VM2
```



This is VM2





This is VM1