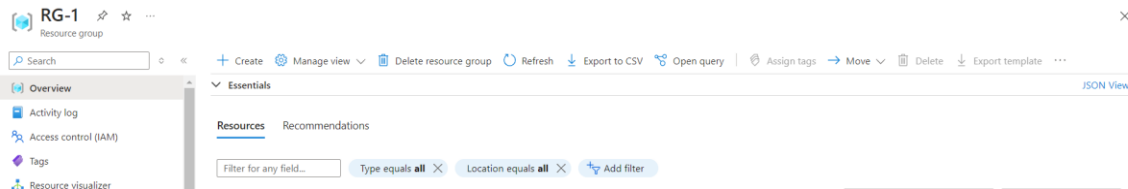


Task: Create a Load Balancer First and Then Deploy VMs

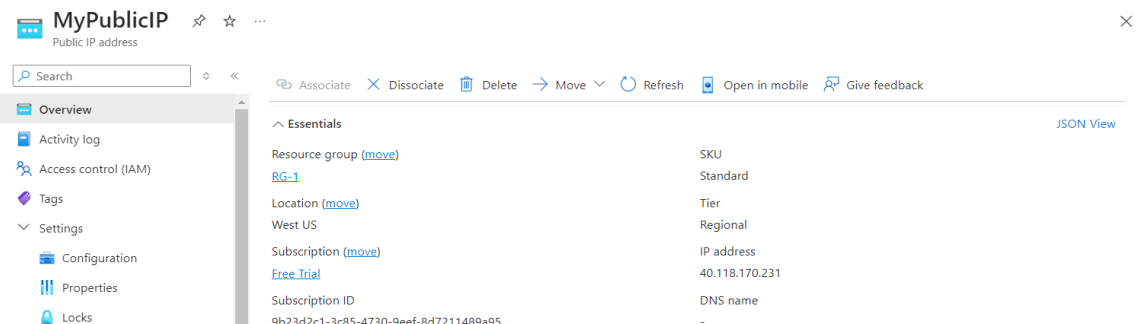
Step 1: Create a Resource Group (if not already created)

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".



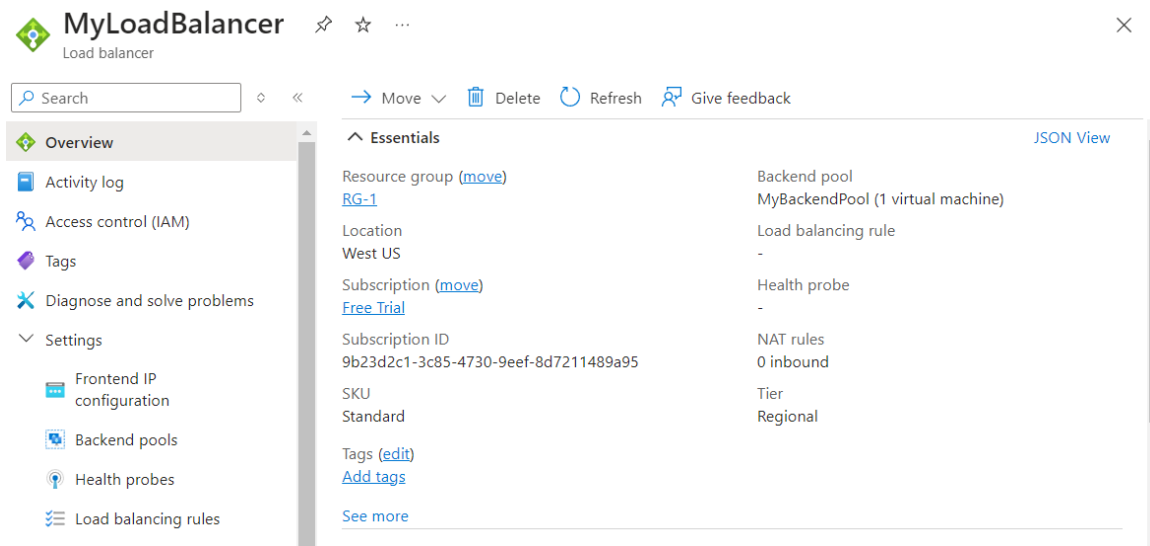
Step 2: Create a Public IP Address for the Load Balancer

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.

MyLoadBalancer | Backend pools ☆ ...

Load balancer

Search

+ Add Refresh

The backend pool is a critical component of the load balancer. The backend pool defines the group of resources that will serve traffic for a given load-balancing rule. [Learn more.](#)

Add filter

Backend...	Resourc...	IP address	Network...	Availabil...	Rules co...	Resourc...	Admi
MyBackendPool (2)							
MyBackend	Linux-VM	10.0.1.4	linux-vm78	-	0	Running	None
MyBackend	vm2	10.0.1.5	vm2127	-	0	Running	None

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:

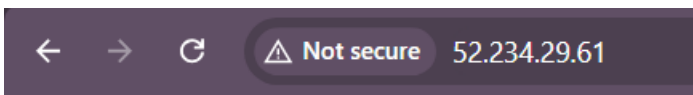
ssh azureuser@<VM1_Public_IP>

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:

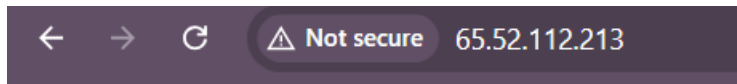
ssh azureuser@<VM2_Public_IP>

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

MyLoadBalancer | Frontend IP configuration ☆ ...

Load balancer

Search

+ Add Refresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Frontend IP configuration

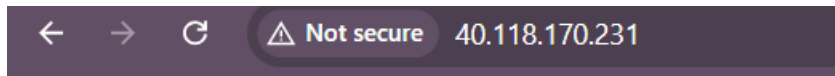
Backend pools

The frontend IP address configuration of a load balancer serves as the entry point for incoming traffic to the load balancer, and the load balancer then distributes the traffic to the backend pool of virtual machines or services. [Learn more](#)

Type to start filtering ...

Showing all 1 items

Name	IP address	Rules count
LoadBalancerFrontEnd	40.118.170.231 (MyPublicIP)	1



This is VM1