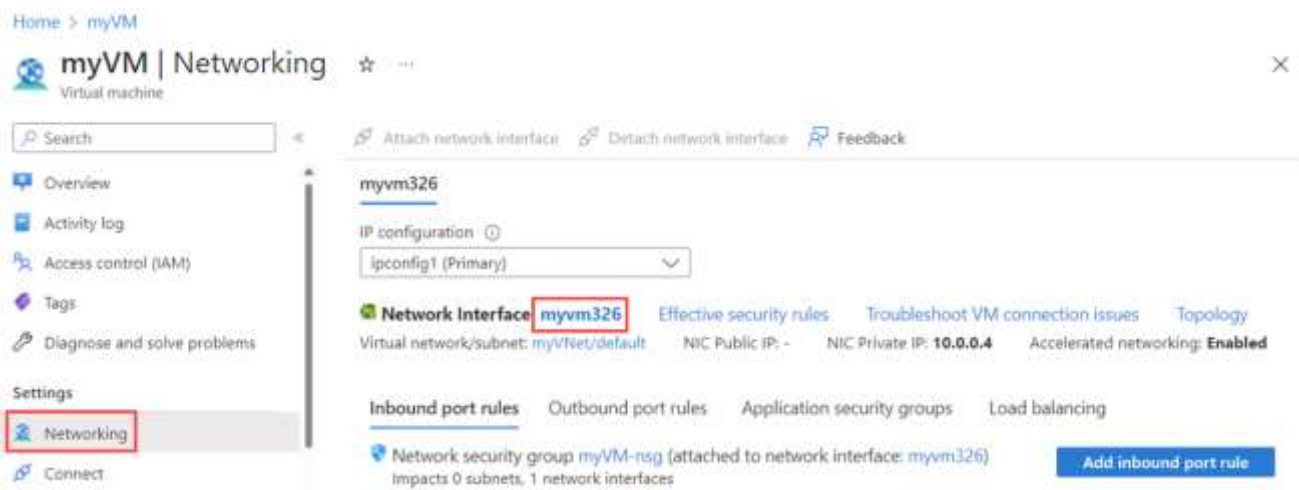


## ASSIGNMENT WEEK – 4

### Allocate Static IPs to all VM's Creating a Network Security Group Creating Public IP Associating/De-associating Public IP with virtual machine Creation of Network Interface.

1. Sign in to the [Azure portal](#).
2. In the portal, search for and select the VM that you want to add the public IP address to.
3. Under **Settings** in the left pane select **Networking** and then select network interface you want to add the public IP address to.



4. From the **Network interface** window, under **Settings**, select **IP configurations\***, and then select an IP configuration from the list.

mytestvm89\_z1 | IP configurations ☆

Network Interface

Search Refresh

Overview  
Activity log  
Access control (IAM)  
Tags  
Settings  
IP configurations  
DNS servers  
Network security group  
Properties  
Locks  
Monitoring  
Insights  
Alerts  
Metrics  
Diagnostic settings

**IP Settings**

Enable IP forwarding ☐

Virtual network: myTestVM-vnet

Subnet: default (10.2.0.0/24) 250 free IP addresses 250 free IP addresses

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IPv4 addresses as necessary to a network interface, within the limits listed in the Azure limits article. [Learn more](#)

+ Add ⚙ Make primary 🗑 Delete



Name	IP Version	Type	Private IP Address	Public IP Address
ipconfig1	IPv4	Primary	10.2.0.4 (Dynamic)	-

5. In the **Edit IP configuration** window, select **Associate public IP address**, then select **Public IP address** to choose an existing public IP address from the drop-down list. If no public IP addresses are listed, you need to create one.

## Edit IP configuration



mytestvm89\_z1

 A primary IP configuration already exists. Any additional IP configurations will be secondary. The virtual network this network interface is attached to only supports IPv4. [Learn more](#) 

Name

ipconfig1 \*

IP version

☐ IPv4

☐ IPv6

Type

☒ Primary

☐ Secondary

### Private IP address settings

Allocation

☒ Dynamic

☐ Static

### Public IP address settings

Associate public IP address



Public IP address

(New) default-publicIpAddress



[Create a public IP address](#)

### Add a public IP address

Name \*

myPublicIP

SKU

☐ Basic

☒ Standard

Assignment

☐ Dynamic

☐ Static

OK

Cancel

Save

Cancel

6. Select **Save**.

7. In the **IP Configurations** window, view the public IP address assigned to the IP configuration.

It might take a few seconds for a newly associated IP address to appear.

mytestvm89\_z1 | IP configurations

Network Interface

» Refresh

**IP Settings**

Enable IP forwarding ⓘ

☐

Virtual network

myTestVM-vnet

Gateway load balancer ⓘ

None

Subnet ⓘ

default (10.2.0.0/24) 250 free IP addresses

250 free IP addresses

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IPv4 addresses as necessary to a network interface, within the limits listed in the Azure limits article. [Learn more](#) ⓘ

+ Add

⚙ Make primary

🗑 Delete

Name	IP Version	Type	Private IP Address	Public IP Address
<input type="checkbox"/> ipconfig1	IPv4	Primary	10.2.0.4 (Dynamic)	13.92.61.76 (myPublicIP)

8. Open the necessary ports in your security groups by adjusting the security rules in the network security groups.