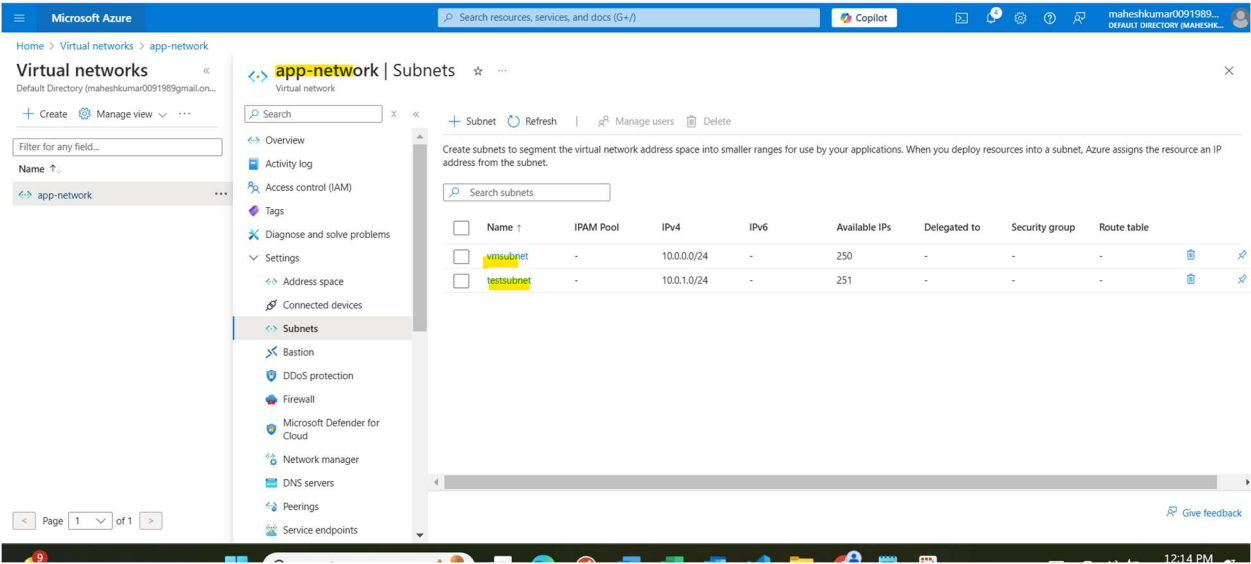
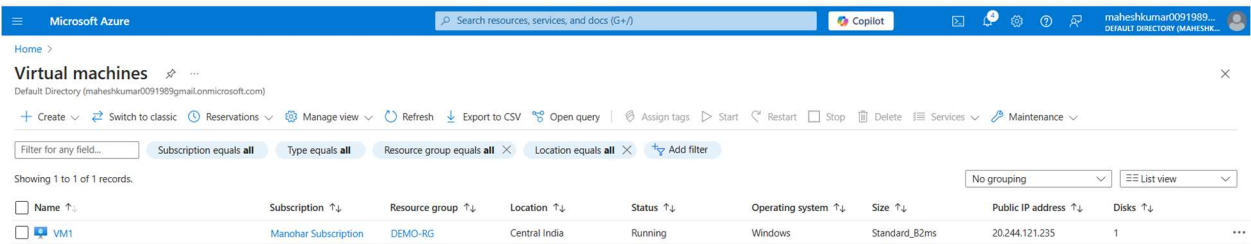


Created a virtual network & two subnets



Created a virtual machine in vmsubnet.



Microsoft Azure

Home > Virtual machines > VM1

Virtual machines

Filter for any field...

Name ↑

VM1

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Connect

Connect

Bastion

Windows Admin Center

Networking

Network settings

Load balancing

Application security groups

Network manager

Settings

Disks

Help me copy this VM in any region

Connect

Start

Restart

Stop

Hibernate

Capture

Delete

Refresh

Open in mobile

Feedback

CLI / PS

Essentials

Resource group (move) : DEMO-RG

Status : Running

Location : Central India

Subscription (move) : Manohar Subscription

Subscription ID : 32aeb345-c46e-4708-be87-491dbf8d1da9

Operating system : Windows (Windows Server 2022 Datacenter)

Size : Standard B2ms (2 vcpus, 8 GiB memory)

Public IP address : 20.244.121.235

Virtual network/subnet : app-network/vmsubnet

DNS name : Not configured

Health state : -

Time created : 1/21/2025, 6:07 AM UTC

Tags (edit) : Add tags

Properties

Monitoring

Capabilities (8)

Recommendations

Tutorials

Virtual machine

Computer name : VM1

Operating system : Windows (Windows Server 2022 Datacenter)

VM generation : V2

VM architecture : x64

Agent status : Ready

Networking

Public IP address : 20.244.121.235 (Network interface vm1779)

Public IP address (IPv6) : -

Private IP address : 10.0.0.4

Private IP address (IPv6) : -

Virtual network/subnet : app-network/vmsubnet

In ipconfigurations change the private ip from dynamic to static

Microsoft Azure

Home > Virtual machines > VM1 | Network settings > vm1779

vm1779 | IP configurations

Network interface

Search

Overview

Activity log

Access control (IAM)

Tags

Settings

IP configurations

DNS servers

Network security group

Properties

Locks

Monitoring

Insights

Alerts

Metrics

Dagnostic settings

Automation

CLI / PS

IP Settings

Enable IP forwarding

Virtual network : app-network

Gateway load balancer : None

Subnet : vmsubnet (10.0.0.0/24) 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	10.0.0.4 (Static)	20.244.121.235 (VM1-ip)

Apply Discard changes

Created another vm in testsubnet

Microsoft Azure

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250121121745 | Overview

VM2

Virtual machine

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Connect

Connect

Bastion

Windows Admin Center

Networking

Network settings

Load balancing

Application security groups

Network manager

Settings

Disks

VM2 virtual machine agent status is not ready. Troubleshoot the issue →

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Essentials

Resource group (move) : Demo-RG

Status : Running

Location : Central India

Subscription (move) : Manohar Subscription

Subscription ID : 32aeb345-c46e-4708-be87-491dbf8d1da9

Operating system : Windows

Size : Standard B2ms (2 vcpus, 8 GiB memory)

Public IP address : 74.225.194.248

Virtual network/subnet : app-network/testsubnet

DNS name : Not configured

Health state : -

Time created : 1/21/2025, 6:48 AM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name : VM2

Operating system : Windows

VM generation : V2

Networking

Public IP address : 74.225.194.248 (Network interface vm288)

Public IP address (IPv6) : -

Private IP address : 10.0.1.4

Taken RDP to vm1

Microsoft Azure

Home > Virtual machines > Virtual machines

Default Directory (maheshkumar009198@gmail.com...)

+ Create + Switch to classic ...

Filter for any field...

Name ↑

VM1

VM2

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Connect

Connect

Bastion

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Essentials

Resource group (move) : DEMO-RG

Status : Running

Location : Central India

Subscription (move) : Manohar Subscription

Subscription ID : 32aeb345-c46e-4708-be87-491dbf8d1da9

Operating system : Windows (Windows Server 2022 Datacenter)

Size : Standard E Copied (8 GiB memory)

Public IP address : 20.244.121.235

Virtual network/subnet : app-network/vmsubnet

DNS name : Not configured

Health state : -

Time created : 1/21/2025, 6:07 AM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name : VM1

Operating system : Windows (Windows Server 2022 Datacenter)

VM generation : V2

VM architecture : x64

Agent status : Ready

Networking

Public IP address : 20.244.121.235 (Network interface vm1779)

Public IP address (IPv6) : -

Private IP address : 10.0.0.4

Private IP address (IPv6) : -

Virtual network/subnet : app-network/vmsubnet

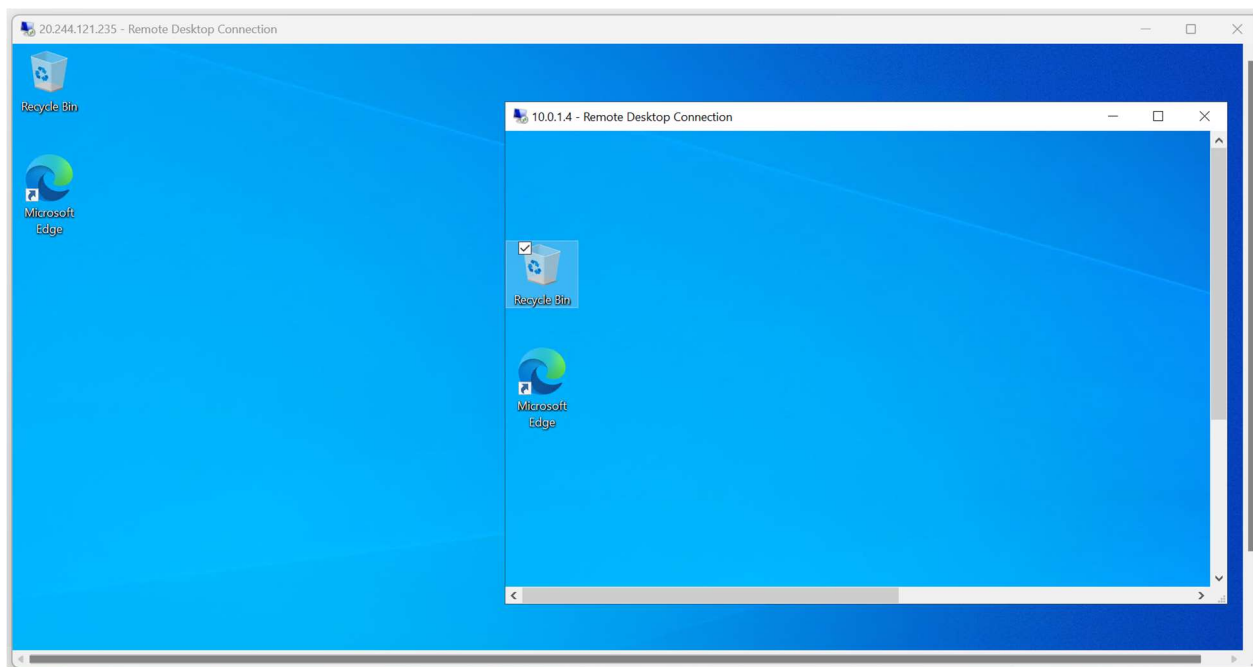
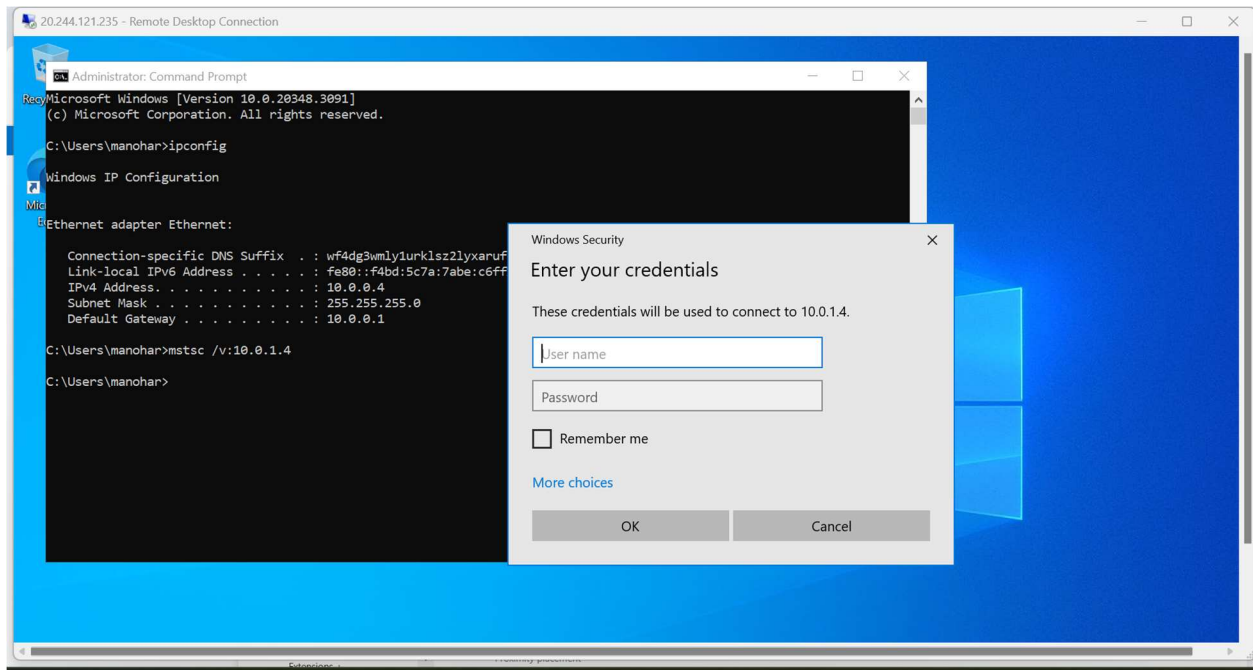
Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: mstsc /v:20.244.121.235

OK Cancel Browse...

Took RDP of vm2 from vm1



Communication between subnets in the same VNet is allowed by default.

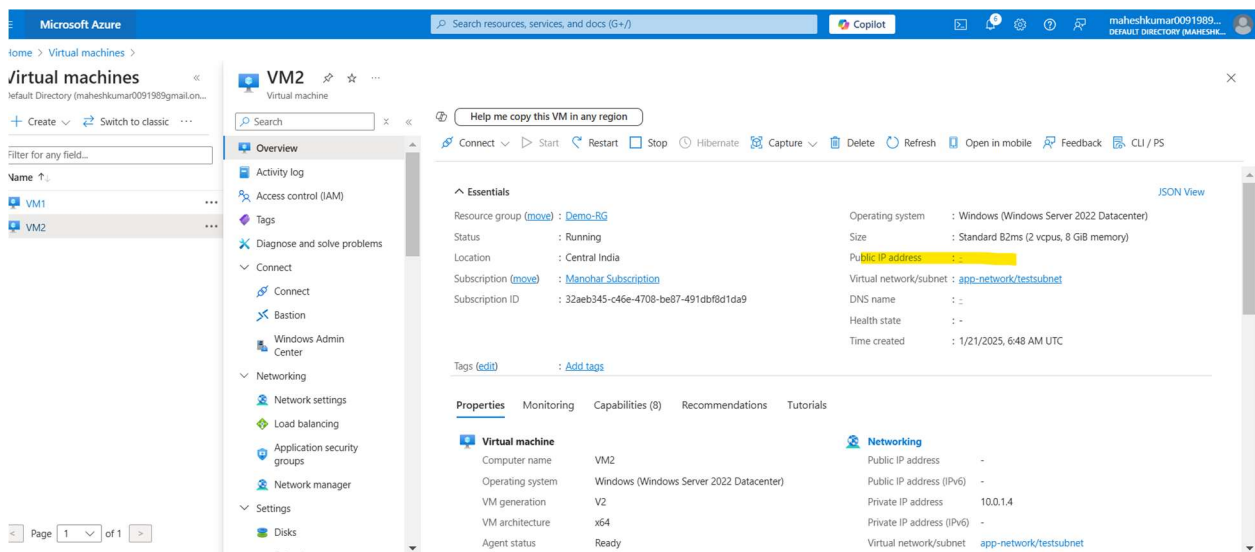
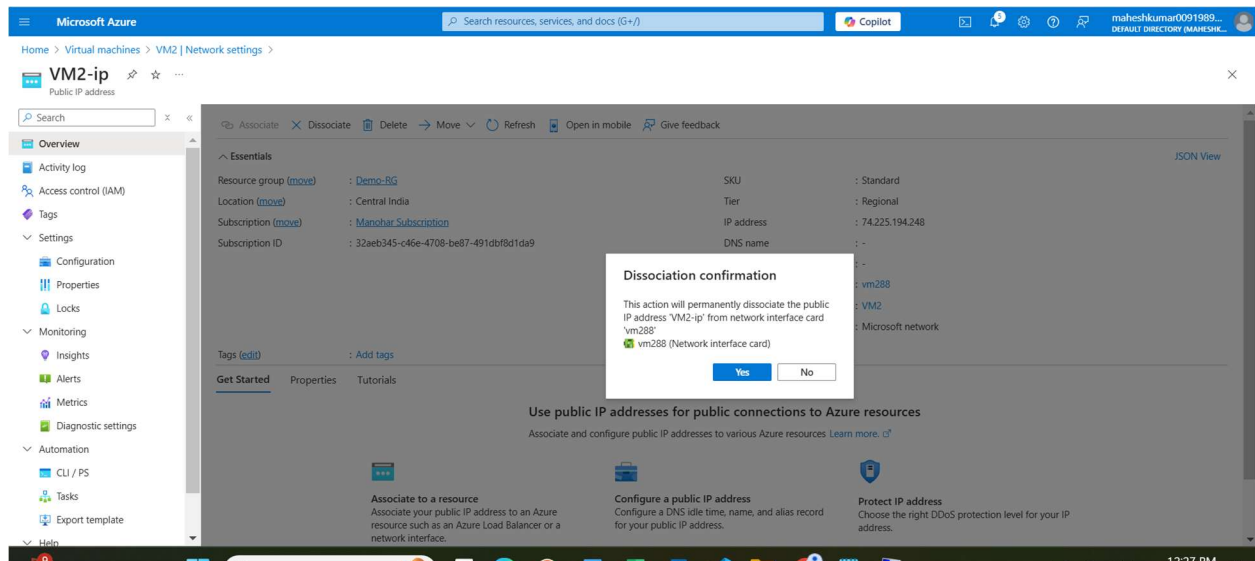
Azure manages routing with system-assigned routes.

Between Different VNets:

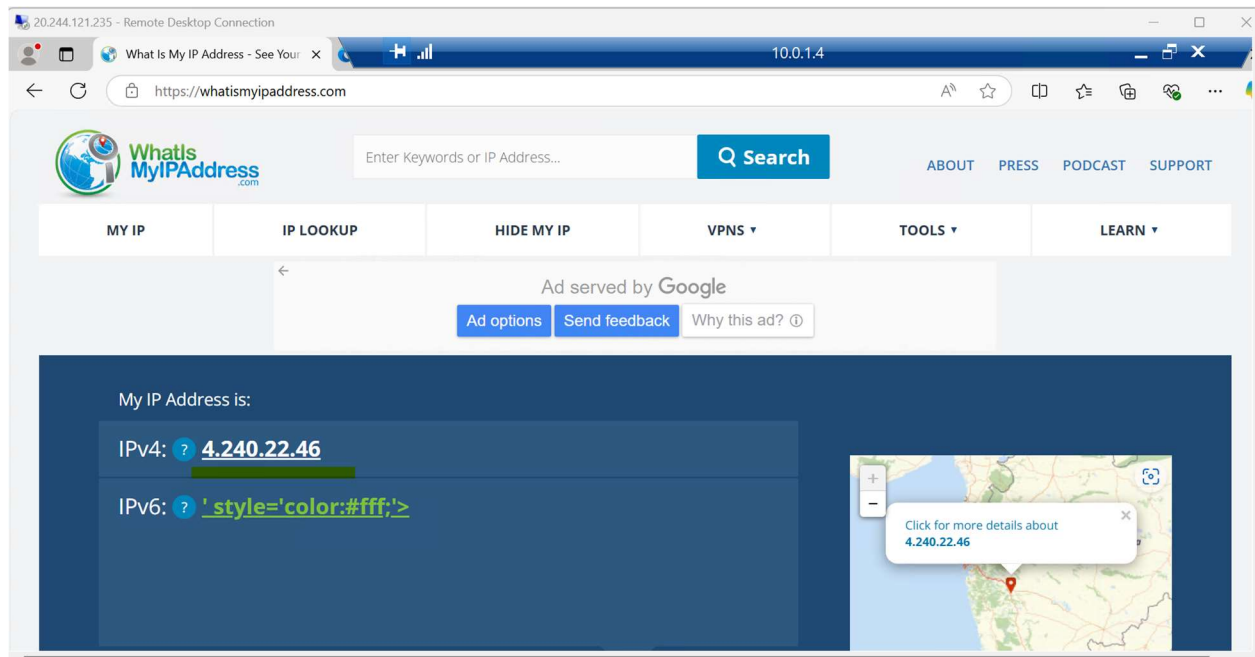
No communication by default.

VNet Peering is required to enable communication.

Remove/disassociate public ip address from vm2



opened a browser on VM2 & search on google what is my ip?



But on vm public ip is not associated.

Even if you remove the public ip still you have access to internet.

Random public ip has been assigned by azure.

Vnet will assign a public ip address to the vm.

If you remove public ip still you have access to internet.


This is default behavior of vnet.

Opened a browser on VM1 and search what is my ip

20.244.121.235 - Remote Desktop Connection

What Is My IP Address - See Your IP Address | Welcome to Microsoft Edge

https://whatismyipaddress.com

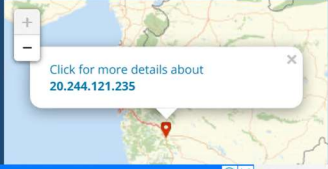
 Enter keywords or IP Address... [Search](#) [ABOUT](#) [PRESS](#) [PODCAST](#) [SUPPORT](#)

[MY IP](#) [IP LOOKUP](#) [HIDE MY IP](#) [VPNS](#) [TOOLS](#) [LEARN](#)

My IP Address is:

IPv4: [20.244.121.235](#)

IPv6: ['style='color:#fff;'>](#)

 Click for more details about 20.244.121.235