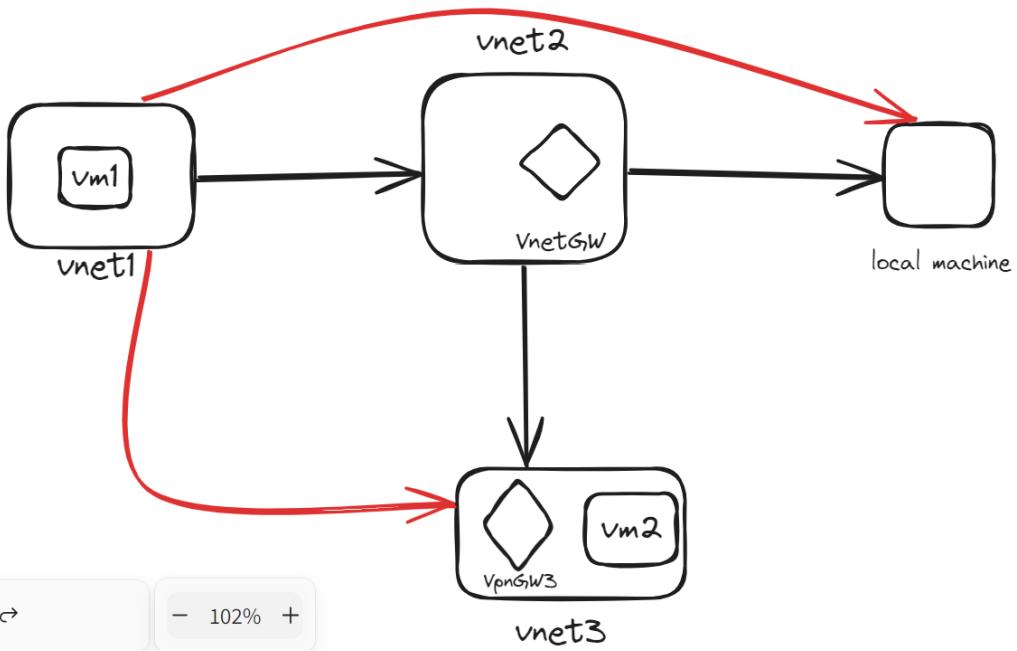


## step 1



## Step 2

Home > Subscriptions > Subscriptions > ARCHIT JAIN - MPN | Resource groups > ABCDEF

ABCDEF | Resource visualizer ⋆ ...

Resource group

- Search
- Choose resources
- Reset diagram
- Zoom to fit
- Refresh
- Export
- Feedback

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

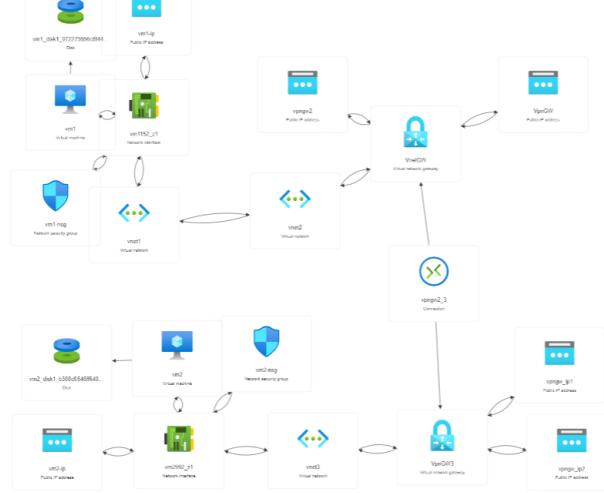
Events

Settings

- Deployments
- Security
- Deployment stacks
- Policies
- Properties
- Locks

Cost Management

- Cost analysis
- Cost alerts (preview)
- Budgets



Microsoft Azure

Home > ABCDEF > vnet1

## vnet1 | Subnets

Virtual network

Search

+ Subnet + Gateway subnet Refresh Manage users Delete

Name	IPv4	IPv6	Available IPs	Delegated to	Security group	Route table
snet1	10.1.1.0/28	-	10	-	-	-
GatewaySubnet	10.1.1.64/27	-	availability dependent on...	-	-	-

Give feedback

Type here to search

28°C Haze ENG 7:37 PM IN 11/20/2023

Microsoft Azure

Home > ABCDEF > vnet2

## vnet2 | Subnets

Virtual network

Search

+ Subnet + Gateway subnet Refresh Manage users Delete

Name	IPv4	IPv6	Available IPs	Delegated to	Security group	Route table
snet2	10.1.2.0/26	-	59	-	-	-
GatewaySubnet	10.1.2.64/27	-	availability dependent on...	-	-	-

Give feedback

Type here to search

28°C Haze ENG 7:38 PM IN 11/20/2023

Microsoft Azure | https://portal.azure.com/#@snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEF/providers/Microsoft.Network/virtualNetworkPeerings

vnet1 | Peerings

Virtual network

Search | Add | Refresh | Sync

Overview | Activity log | Access control (IAM) | Tags | Diagnose and solve problems

Settings | Address space | Connected devices | Subnets | Bastion | DDoS protection | Firewall | Microsoft Defender for Cloud | Network manager | DNS servers | Peerings | Service endpoints | Private endpoints

Filter by name... | Peering status == all

Name ↑	Peering status ↑↓	Peer ↑	Gateway transit ↑↓
peer1	Connected	vnet2	Enabled

Give feedback

Type here to search

28°C Haze | ENG | 7:38 PM | 11/20/2023

Microsoft Azure | https://portal.azure.com/#@snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEF/providers/Microsoft.Network/virtualNetworkPeerings

vnet2 | Peerings

Virtual network

Search | Add | Refresh | Sync

Overview | Activity log | Access control (IAM) | Tags | Diagnose and solve problems

Settings | Address space | Connected devices | Subnets | Bastion | DDoS protection | Firewall | Microsoft Defender for Cloud | Network manager | DNS servers | Peerings | Service endpoints | Private endpoints

Filter by name... | Peering status == all

Name ↑	Peering status ↑↓	Peer ↑	Gateway transit ↑↓
peer2	Connected	vnet1	Enabled

Give feedback

Type here to search

28°C Haze | ENG | 7:38 PM | 11/20/2023

Microsoft Azure | Search resources, services, and docs (G+/)

Home > ABCDEF > vnet3

## vnet3 | Connected devices

Virtual network

Search | Refresh | Export To CSV | Delete | No grouping

Device Type IP Address Subnet

Device	Type	IP Address	Subnet
vm2992_z1	Network interface	10.1.3.4	snet3
VpnGW3	Virtual network gateway	10.1.3.70	GatewaySubnet

Give feedback

https://portal.azure.com/?quickstart=True#snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEFGHI.providers/Microsoft.Network/virtualNetworks/vnet3/connectedDevices

30°C Haze ENG 3:01 PM IN 11/21/2023

Microsoft Azure | Search resources, services, and docs (G+/)

Home >

## vm1 | Virtual machine

Virtual machine

Search | Connect | Start | Restart | Stop | Hibernate (preview) | Capture | Delete | Refresh | Open in mobile | Feedback | CLI / PS

Advisor (1 of 5): Windows virtual machines should enable Azure Disk Encryption or EncryptionAtHost. →

**Essentials**

Resource group (move) : ABCDEF	Operating system : Windows (Windows 10 Pro)
Status : Running	Size : Standard B2s (2 vcpus, 4 GiB memory)
Location : East US (Zone 1)	Public IP address : 172.208.72.145
Subscription (move) : ARCHIT JAIN - MPN	Virtual network/subnet : vnet1/snet1
Subscription ID : f2825f7a-c276-40b0-b8a1-bac639219628	DNS name : Not configured
Availability zone : 1	Health state : +
Tags (edit) : Add tags	

**Properties** Monitoring Capabilities (7) Recommendations (5) Tutorials

**Virtual machine**

Computer name	vm1
Operating system	Windows (Windows 10 Pro)
Image publisher	MicrosoftWindowsDesktop
Image offer	Windows-10
Image plan	win10-22h2-pro-g2
VM generation	V2

**Networking**

Public IP address	172.208.72.145 ( Network interface vm1152_z1 )
Public IP address (IPv6)	-
Private IP address	10.1.1.4
Private IP address (IPv6)	-
Virtual network/subnet	vnet1/snet1
DNS name	Configure

Give feedback

https://portal.azure.com/?quickstart=True#snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEFGHI.providers/Microsoft.Compute/virtualMachines/vm1

30°C Haze ENG 3:02 PM IN 11/21/2023

vm2 - Microsoft Azure | Configure P2S server configuration | (1215) Azure Point to Site VPN | what is the of grs if we cannot a... | Data redundancy in Azure Files | +

https://portal.azure.com/?quickstart=True#snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEF/providers/Microsoft...

Microsoft Azure Search resources, services, and docs (G+)

Home > vm2

Virtual machine

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Networking Connect Disks Size Microsoft Defender for Cloud Advisor recommendations Extensions + applications Availability + scaling Configuration Identity Properties Locks

Properties Monitoring Capabilities (7) Recommendations (5) Tutorials

Essentials

Resource group ( <a href="#">move</a> ) : ABCDEF	Operating system : Windows
Status : Stopped (deallocated)	Size : Standard B2s (2 vcpus, 4 GiB memory)
Location : East US (Zone 1)	Public IP address : 4.227.187.148
Subscription ( <a href="#">move</a> ) : ARCHIT JAIN – MPN	Virtual network/subnet : vnet3/snet3
Subscription ID : f2825f7a-c276-40b0-b8a1-bac639219628	DNS name : Not configured
Availability zone : 1	Health state : -
Tags ( <a href="#">edit</a> ) : Add tags	

Networking

Computer name : vm2	Public IP address : 4.227.187.148 ( Network interface vm2992_z1 )
Operating system : Windows	Public IP address (IPv6) : -
Image publisher : MicrosoftWindowsDesktop	Private IP address : 10.1.3.4
Image offer : Windows-10	Private IP address (IPv6) : -
Image plan : win10-22h2-pro-g2	Virtual network/subnet : vnet3/snet3
VM generation : V2	DNS name : Configure

Type here to search

30°C Haze ENG 3:02 PM IN 11/21/2023

vnet2 - Microsoft Azure | VnetGW - Microsoft Azure | Configure P2S server configuration | Generate and export certificates | +

https://portal.azure.com/#@snp.com/resource/subscriptions/f2825f7a-c276-40b0-b8a1-bac639219628/resourceGroups/ABCDEF/providers/Microsoft.Network...

Microsoft Azure Search resources, services, and docs (G+)

Home > ABCDEF > VnetGW

Virtual network gateway

Search Refresh Move Delete

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Configuration Connections Point-to-site configuration NAT Rules Properties Locks

Monitoring Logs Alerts Metrics Point-to-site Sessions RQD peers

Essentials

Resource group ( <a href="#">move</a> ) : ABCDEF	SKU : VpnGw2AZ
Location : East US	Gateway type : VPN
Subscription ( <a href="#">move</a> ) : ARCHIT JAIN – MPN	VPN type : Route-based
Subscription ID : f2825f7a-c276-40b0-b8a1-bac639219628	Virtual network : vnet2/GatewaySubnet
Tags ( <a href="#">edit</a> ) : Add tags	First public IP address : 20.84.55.16 (VpnGW)

See more

Health check Advanced troubleshooting Documentation

Perform a quick health check to detect possible gateway issues Go to Resource health Run a troubleshooting tool to investigate failure causes and perform repair actions Go to VPN Troubleshooting View guidance on helpful topics related to VPN gateway View documentation

Show data for last 1 hour 6 hours 12 hours 1 day 7 days 30 days

Total tunnel ingress Total tunnel egress

5508 5008 4508 5508 5008 4508

28°C Haze ENG 7:40 PM IN 11/20/2023

Microsoft Azure

Home > ABCDEF > VnetGW

## VnetGW | Connections

Virtual network gateway

Search connections

Name	Status	Connection type	Peer
conn2	Connected	VNet-to-VNet	VpnGW3
vpngw2_3	Connected	VNet-to-VNet	VpnGW3

Add Refresh

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Configuration Connections Point-to-site configuration NAT Rules Properties Locks

Monitoring Logs Alerts Metrics Point-to-site Sessions RDP peers

Type here to search

28°C Haze ENG IN 7:42 PM 11/20/2023

Microsoft Azure

Home > ABCDEF > VnetGW

## VnetGW | Point-to-site configuration

Virtual network gateway

Save Discard Delete Download VPN client

Tunnel type: SSTP (SSL)

Authentication type: Azure certificate

Public IP address for User VPN configuration  
A third public IP address is required to use a User VPN configuration with an availability zone SKU gateway in active-active mode.  
[ipP2S](#)

Root certificates

Name	Public certificate data
P2Skey	MIIC5zCCAc+gAwIBAgIQFKGnZXIUqx8qAZ5ob+gtTANBgkqhkiG9w0BAQsfADAW MR ***

Revoked certificates

Name	Thumbprint

Additional routes to advertise

Type here to search

28°C Haze ENG IN 7:43 PM 11/20/2023

The screenshot shows the Microsoft Azure portal interface for managing a Virtual Network Gateway (VpnGW3). The top navigation bar includes tabs for 'vnet2 - Microsoft Azure', 'VpnGW3 - Microsoft Azure', 'Configure P2S server configuration', 'Generate and export certificates', and other Azure services.

The main content area displays the 'Essentials' section for VpnGW3, which includes the following details:

- Resource group (move) : ABCDEF
- Location : East US
- Subscription (move) : ARCHIT JAIN – MPN
- Subscription ID : f2825f7a-c276-40b0-b8a1-bac639219628
- SKU : VpnGw2
- Gateway type : VPN
- VPN type : Route-based
- Virtual network : vnet3/GatewaySubnet
- First public IP address : 172.171.205.93 (vpngw\_ip1)

Below the essentials section, there are three cards: 'Health check', 'Advanced troubleshooting', and 'Documentation'. The 'Health check' card has a link to 'Go to Resource health'. The 'Advanced troubleshooting' card has a link to 'Go to VPN Troubleshooting'. The 'Documentation' card has a link to 'View documentation'.

The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Connections, Point-to-site configuration, NAT Rules, Properties, Locks, Logs, Alerts, Metrics, and BGP peers. A search bar at the bottom of the sidebar allows users to search for resources.

The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

The screenshot shows the Microsoft Azure portal interface for managing the connections of the VpnGW3 Virtual Network Gateway. The top navigation bar includes tabs for 'vnet2 - Microsoft Azure', 'VpnGW3 - Microsoft Azure', 'Configure P2S server configuration', 'Generate and export certificates', and other Azure services.

The main content area displays the 'Connections' section for VpnGW3, which lists two existing connections:

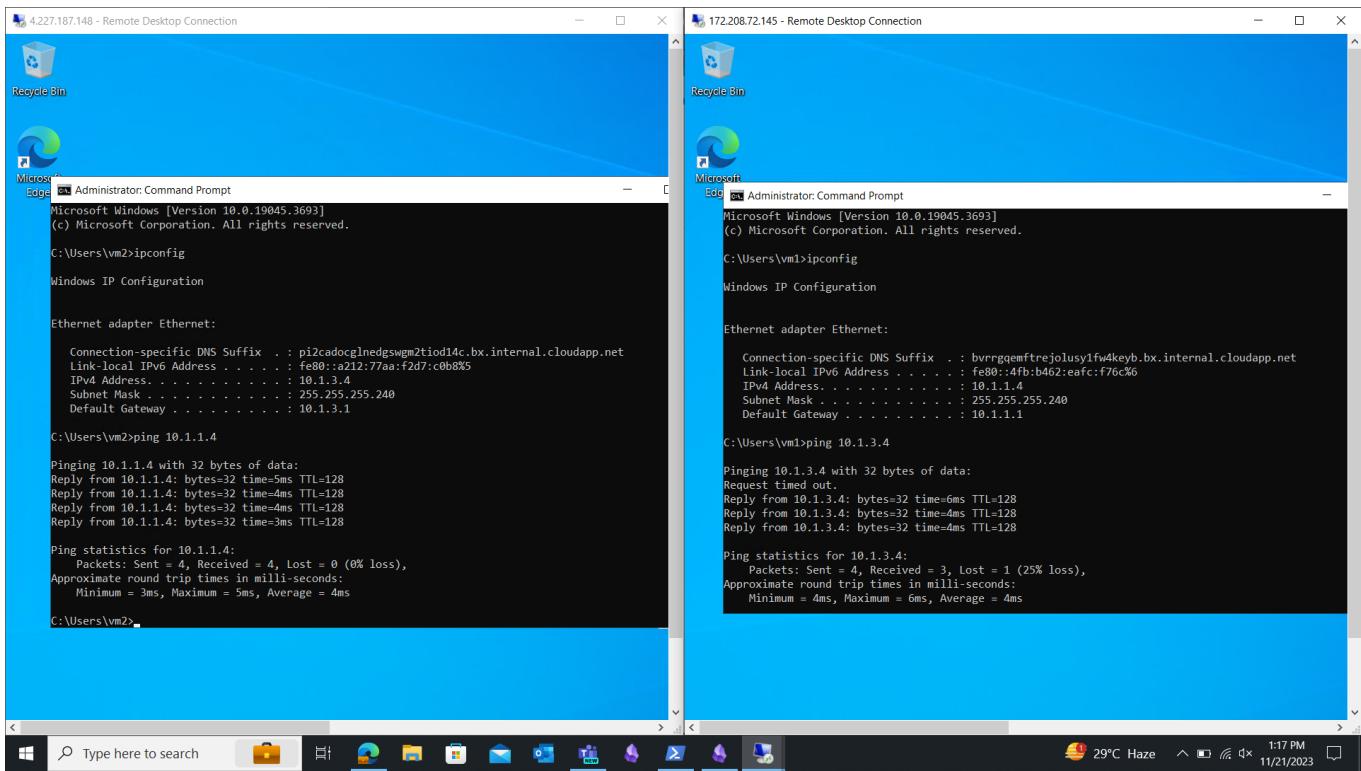
Name	Status	Connection type	Peer	More
conn2	Connected	VNet-to-VNet	VnetGW	...
vpngw2_3	Connected	VNet-to-VNet	VnetGW	...

Below the connection table, there is a search bar labeled 'Search connections' and a 'Add' button to create new connections.

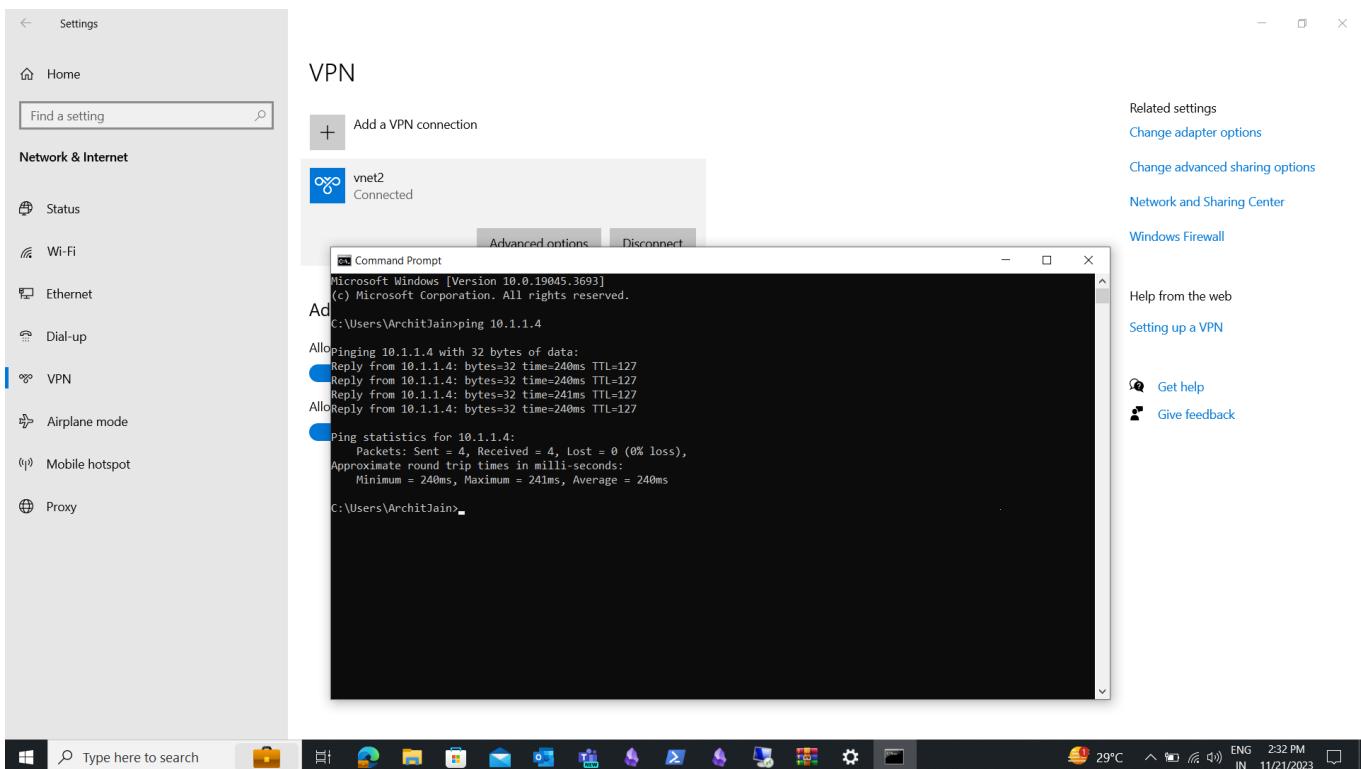
The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Connections, Point-to-site configuration, NAT Rules, Properties, Locks, Logs, Alerts, Metrics, and BGP peers. A search bar at the bottom of the sidebar allows users to search for resources.

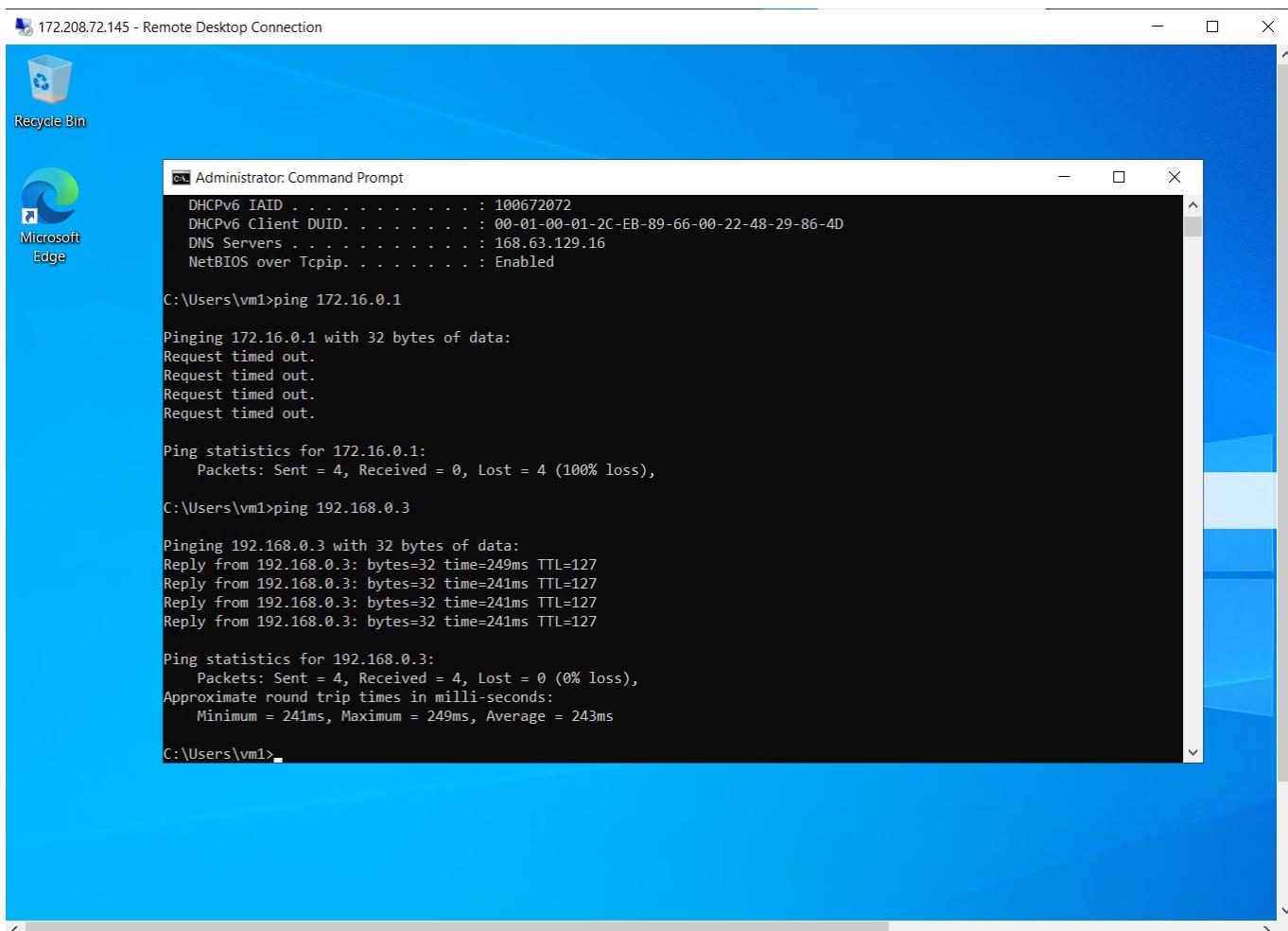
The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

VM1(vnet1) connected to VM2 (vnet3)



## POINT TO SITE CONNECTION VM1 to LOCAL MACHINE





Referred Linkss :

For Point 2 Site configuration-->

[About Azure Point-to-Site VPN connections - Azure VPN Gateway | Microsoft Learn](#)

For VNET 2 VNET -->

[Configure a VNet-to-VNet VPN gateway connection: Azure portal - Azure VPN Gateway | Microsoft Learn](#)

Tutorial: Create and manage a VPN gateway using the Azure portal -->

[Tutorial – Create & manage a VPN gateway – Azure portal - Azure VPN Gateway | Microsoft Learn](#)

## point 2 site via azure entra authentication

downloaded AZURE VPN CLIENT and connected the vnet

## CONFIGURATION FOR AZURE ACTIVE DIRECTORY

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'Virtual network gateway' section under 'VnetGW'. On the left, there's a sidebar with various navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Connections, Point-to-site configuration), NAT Rules, Properties, Locks, Monitoring (Logs, Alerts, Metrics, Point-to-site Sessions), and Help & support. The main panel displays the 'Point-to-site configuration' settings for 'vnet2'. It includes fields for 'Address pool' (192.168.0.0/24), 'Tunnel type' (OpenVPN (SSL)), 'Authentication type' (Azure Active Directory), and 'Azure Active Directory' details (Tenant: https://login.microsoftonline.com/30bf9f37-d550-4878-9494-1041656caf27, Audience: 41b23e61-6c1e-4545-b367-cd054e0ed4b4, Issuer: https://sts.windows.net/30bf9f37-d550-4878-9494-1041656caf27). A note at the bottom says 'Grant administrator consent for Azure VPN client application' with a link to learn more about Azure AD authentication.

The screenshot shows the 'Azure VPN Client' application window. The left sidebar lists 'Certificates' (Person, Trusted, Enterprise, Internet, Active, Trusted, Untrusted, Third-party, Client, Local Network, Certificates, Smart). A connection named 'vnet2' is listed under 'Person' and is shown as 'Connected'. The main pane displays 'Connection Properties' for 'vnet2', including Connection Name (vnet2), VPN Server (azuregateway-88630077-dcf7-4337-be13-70b717ef95c8-f4be991fb2c0 vpn.azure.com), Authentication Type (Azure Active Directory), Connect Time (11/21/2023 5:28 PM), VPN IP Address (192.168.0.2), and VPN Routes (10.1.3.0/24, 10.1.2.0/24, 10.1.1.0/24, 192.168.0.0/24). Below this, a 'Status Logs' section shows a list of log entries from November 21, 2023, such as 'Saving User Account.', 'Dialing VPN connection vnet2, Status = Success', and 'Refreshing VPN connections'. The system tray at the bottom shows the user's email (archijain@snp.com) and the date/time (11/21/2023, 5:51 PM).

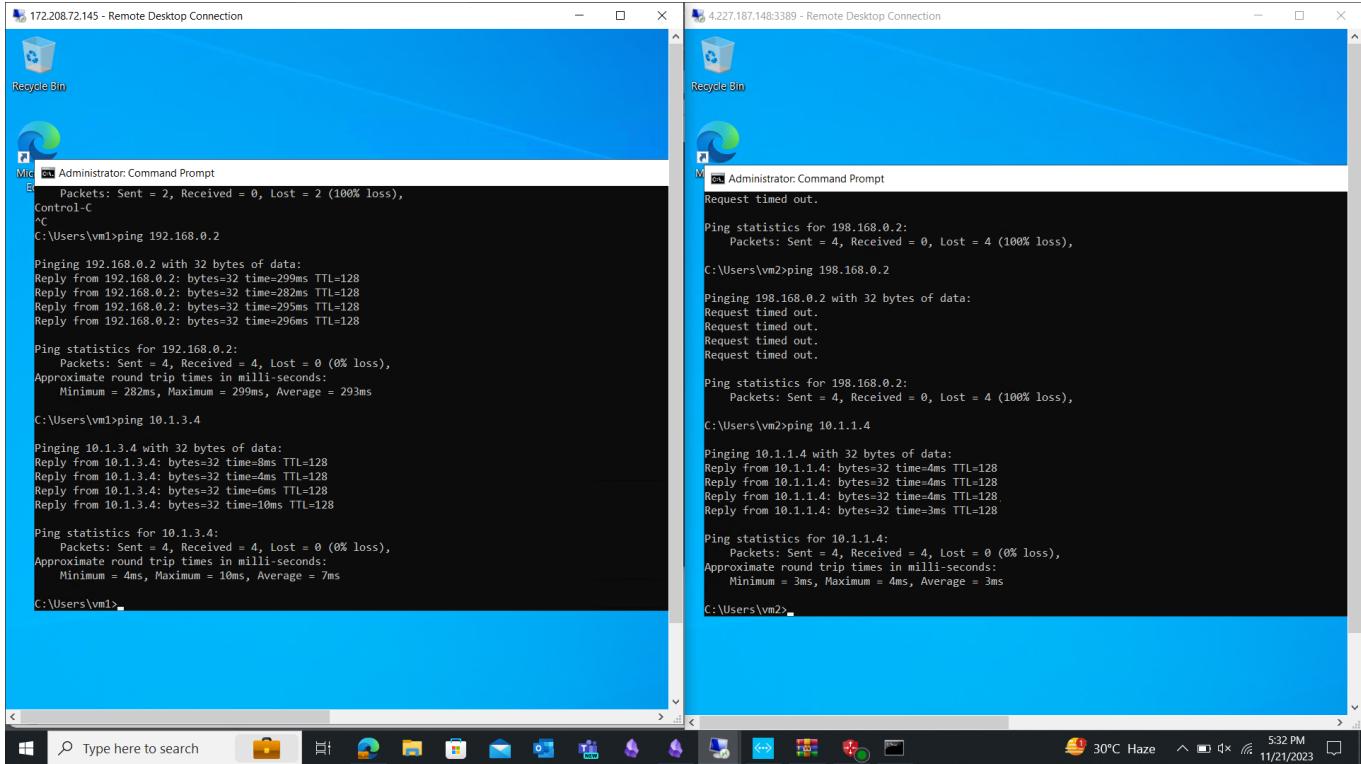
After changing the configuration downloaded the vpn client file and imported in the azure vpn client and then connected to vnet.

VM1 to VM2

VM1 TO LOCAL MACHINE

VM2 TO VM1

## VM2 TO LOCAL MACHINE



## LOCAL MACHINE TO VM1

## LOCAL MACHINE TO VM2

