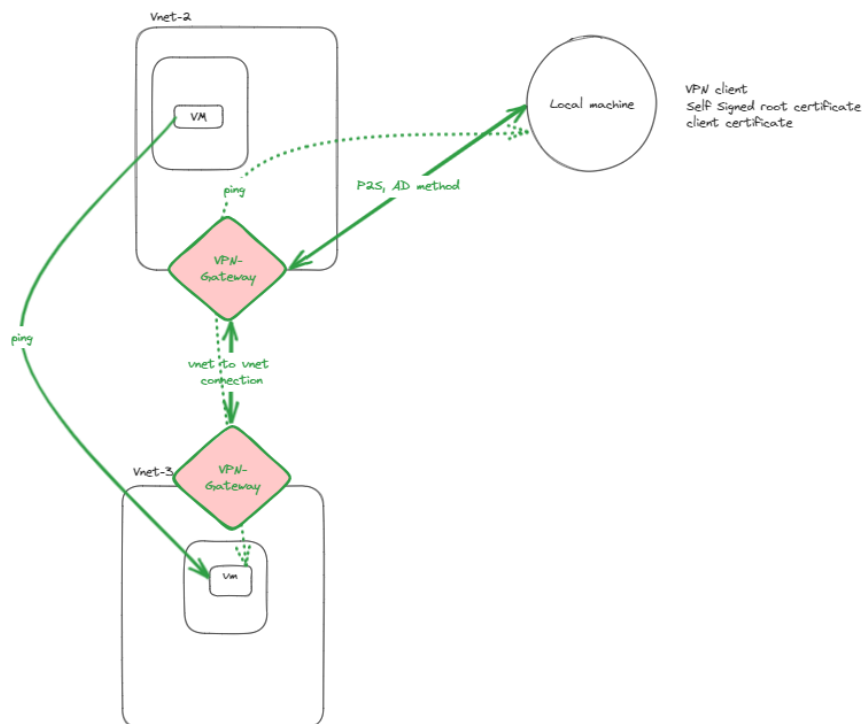


# AD Authentication

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  - [\\*\\*VM3\\*\\* - \*\*\\*\\*LocalMachine\\*\\*\*\*](#)
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- 

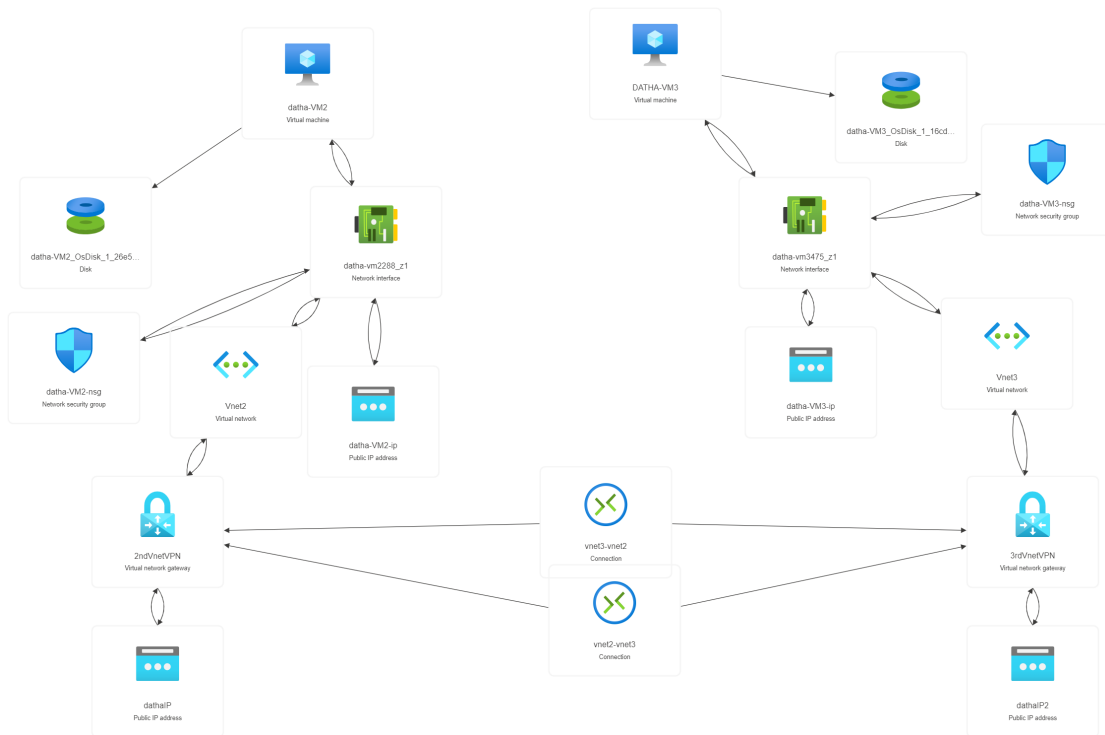
## Architecture



Excalidraw - [Lab-6](#)

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## Resource Visualizer



- Azure active directory integrated authentication
- Adding Azure VPN in **Enterprise Applications**

## AD authentication

- *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/>

## using Open VPN (SSL) protocol authentication

2ndVnetVPN | Point-to-site configuration

Virtual network gateway

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Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Configuration

Connections

Point-to-site configuration

Properties

Locks

Monitoring

Logs

Alerts

Metrics

Address pool \*

192.168.1.0/24

Tunnel type

OpenVPN (SSL)

Authentication type

Azure Active Directory

Azure Active Directory

Tenant \*

https://login.microsoftonline.com/30bf9f37-d550-4878-94...

Audience \*

41b23e61-6c1e-4545-b367-cd054e0ed4b4

Issuer \*

https://sts.windows.net/30bf9f37-d550-4878-9494-104165...

Grant administrator consent for Azure VPN client application

connect VM2 and Local machine using VPN Client software

1

Connection Name

Test-FW-VN

VPN Server

azuregateway-a1400077-6324-486c-b32e-eb

Server Validation

Certificate Information

DigiCert Global Root G2

Server Secret

Client Authentication

Authentication Type

Azure Active Directory

Tenant

https://login.microsoftonline.com/30bf9f37-d

i

Audience

41b23e61-6c1e-4545-b367-cd054e0ed4b4

i

Issuer

https://sts.windows.net/ 30bf9f37-d550-4878

i

Secondary Profile

None

i

Clear Saved Account

Save

Cancel

Azure VPN Client

VPN connections

Vnet2

Connected

Disconnect

...

Connection Properties

Connection Name

Vnet2

VPN Server

azuregateway-cc230077-a0a8-4868-be98-42ff7d7c6192-ddd5e3cc91aa.vpn.azure.com

Authentication Type

Azure Active Directory

Connect Time

21-Nov-23 7:30 PM

VPN IP Address

192.168.1.2

VPN Routes

10.0.2.0/24  
10.0.1.0/24  
192.168.1.0/24

Show Statistics

Status Logs

21-Nov-23 7:30:49 PM: Saving User Account.

21-Nov-23 7:30:49 PM: Dialing VPN connection Vnet2, Status = Success

21-Nov-23 7:30:40 PM: Success Received AAD Credential Token. User: dathasaichandu@snp.com

21-Nov-23 7:30:35 PM: Requested AccountsManager dialog.

21-Nov-23 7:30:35 PM: Dialing VPN connection Vnet2

21-Nov-23 7:30:32 PM: Saving VPN connection Vnet2, Status = Success (0)

21-Nov-23 7:30:32 PM: Refreshing VPN connections

21-Nov-23 7:30:30 PM: Picked File C:\Users\DathaSaiChandu\Downloads\AzureVPN\azurevpnconfig.xml

21-Nov-23 7:10:34 PM: Application Initialized

Activate Windows

Go to Settings to activate Windows.

## VM3 - LocalMachine

```
C:\Users\DathaSaiChandu>ping 10.0.2.4

Pinging 10.0.2.4 with 32 bytes of data:
Reply from 10.0.2.4: bytes=32 time=352ms TTL=128
Reply from 10.0.2.4: bytes=32 time=256ms TTL=128
Reply from 10.0.2.4: bytes=32 time=270ms TTL=128
Reply from 10.0.2.4: bytes=32 time=277ms TTL=128

Ping statistics for 10.0.2.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 256ms, Maximum = 352ms, Average = 288ms

C:\Users\DathaSaiChandu>
```

## LocalMachine - VM3

```
C:\Users\datha>ping 192.168.1.2
```

```
Pinging 192.168.1.2 with 32 bytes of data:
```

```
Reply from 192.168.1.2: bytes=32 time=330ms TTL=128
```

```
Reply from 192.168.1.2: bytes=32 time=288ms TTL=128
```

```
Reply from 192.168.1.2: bytes=32 time=293ms TTL=128
```

```
Reply from 192.168.1.2: bytes=32 time=300ms TTL=128
```

```
Ping statistics for 192.168.1.2:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 288ms, Maximum = 330ms, Average = 302ms
```

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