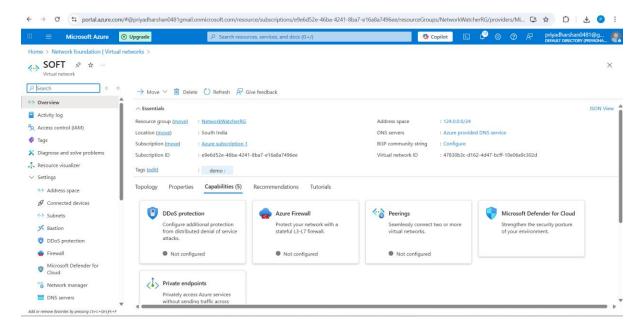
# FILE SHARING BETWEEN A TWO VIRTUAL MACHINES THROUGH A VIRTUAL NETWORK

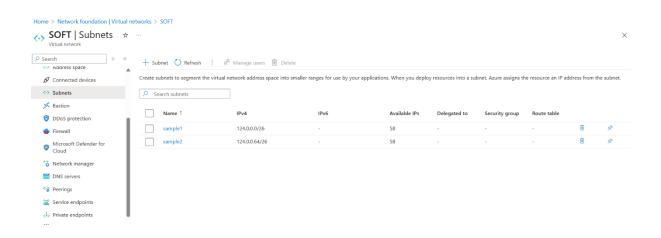
## **OBJECTIVE:**

To establish secure and efficient file sharing between two virtual machines within the same Azure Virtual Network (VNet), demonstrating internal communication capabilities of Azure IaaS, without exposing services to the internet.

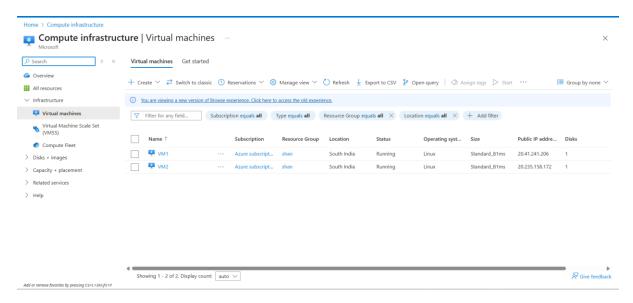
# STEP 1: Created a one virtual network (SOFT):



STEP 2: I have configured two separate subnets, named **sample1** and **sample2**, under a single virtual network (VNet) in Azure.



STEP 3: Additionally, two virtual machines have been deployed in the same virtual network.

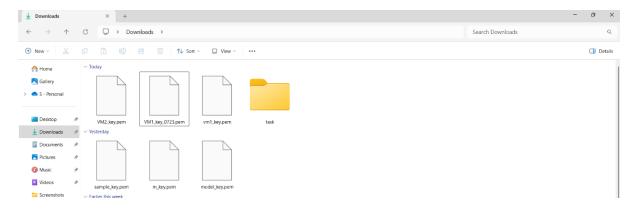


STEP 4: Using PowerShell, I established an SSH session with VM1. Upon listing the contents of the user's home directory, it was confirmed to be empty.

## STEP5:

I am using the command is:" scp -i C:\Users\ASUS\Downloads\VM1\_Key\_0723.pem -r azureuser@20.41.241.206:/home/azureuser/task C:\Users\ASUS\Downloads\"to copy the task directory from my Azure virtual machine to the Downloads folder on my local Windows machine

STEP 6: It Will Created a One Directory From Local Machine Downloads Path



#### STEP 7:

I am using the command is: "scp -i C:\Users\ASUS\Downloads\VM2\_Key.pem -r C:\Users\ASUS\Downloads\Task azureuser@20.235.158.172:/home/azureuser/ "to transfer the task folder from the Downloads directory on my local machine to the /home/azureuser/ directory on another Azure virtual machine

```
Windows PowerShell X Marureuser@VM2:- X + V - O X
To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

azureuser@VM2:-$ ls
azureuser@VM2:-$ exit
logout
Connection to 20.235.158.172 closed.

Connection to 20.235.158.172 closed.

FS C:\Users\ASUS\S ps. 1 C:\Users\ASUS\Downloads\VM2_Key.pem -r C:\Users\ASUS\Downloads\task azureuser@20.235.158.172:/home/azureuser/

FS C:\Users\ASUS\S ps. 1 C:\Users\ASUS\Downloads\VM2_Key.pem azureuser@20.235.158.172

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.11.0-1018-azure x86_64)

* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://lubuntu.com/pro

System information as of Wed Jul 23 06:41:36 UTC 2025

System load: 0.0

Usage of /: 5.6% of 28.02GB Users logged in: 0

Memory usage: 13% IPv4 address for eth0: 124.0.0.68

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.
```

#### STEP 8:

The task directory was copied from the Downloads folder on my local machine to the second virtual machine (VM2) using the SCP command.

```
To run a command as administrator (user "root"), use "sudo <command>".

Zurususer@VM2:-$ cvit
Logout
Connect No. 20.235.159.172 closed.
Connect No. 20.235.1
```