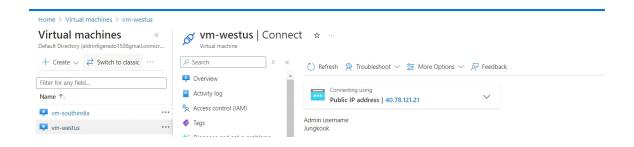
Module 6: Assignment 4

Tasks To Be Performed:

- 1. Use the previously created Linux VM
- 2. Install Apache2 on this VM
- 3. Create a Network Security Group to the subnet in which VM has been deployed
- 4. Open NSG rules for subnet and VM on port 80
- 5. Verify if you can see the Apache2 page

Solution:

1. Use the previously created Linux VM



2. Install Apache2 on this VM

Jungkook@vm-westus: ~

```
Microsoft Windows [Version 10.0.19045.4780]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Suttu>ssh Jungkook@40.78.121.21
Jungkook@40.78.121.21's password:
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1025-azure x86 64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
* Support:
                  https://ubuntu.com/pro
System information as of Fri Sep 6 08:22:07 UTC 2024
                                 Processes:
 System load: 0.0
                                                        104
               5.9% of 28.89GB
 Usage of /:
                                 Users logged in:
                                 IPv4 address for eth0: 20.0.0.4
 Memory usage: 36%
               0%
 Swap usage:
Expanded Security Maintenance for Applications is not enabled.
10 updates can be applied immediately.
10 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Fri Sep 6 08:09:13 2024 from 223.233.81.229
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
Jungkook@vm-westus:~$
```

```
Jungkook@vm-westus:~$ sudo apt-get update
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Jungkook@vm-westus:~$ _
```

Jungkook@vm-westus:~\$ sudo apt-get install apache2 -y

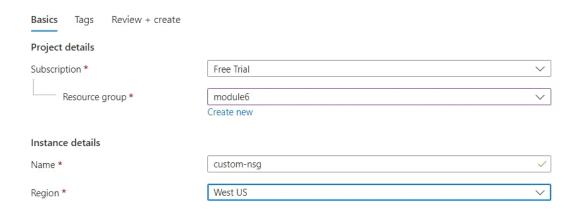


3. Create a Network Security Group to the subnet in which VM has been deployed



Home > Network security groups >

Create network security group



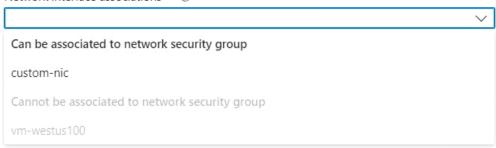




Associate network interface

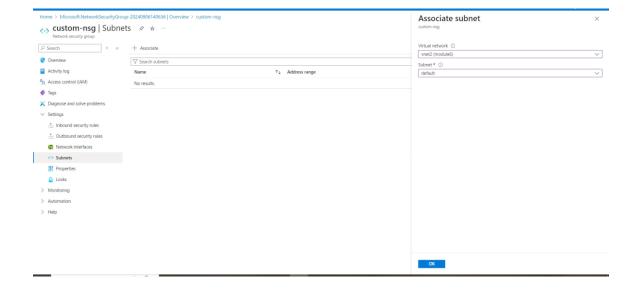
custom-nsg

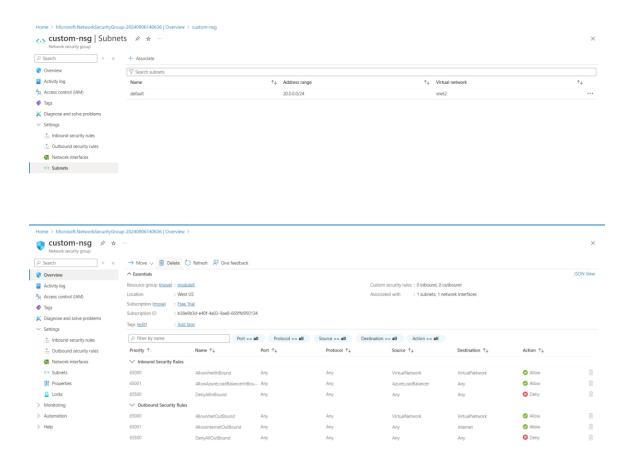
Network interface associations * ①



X



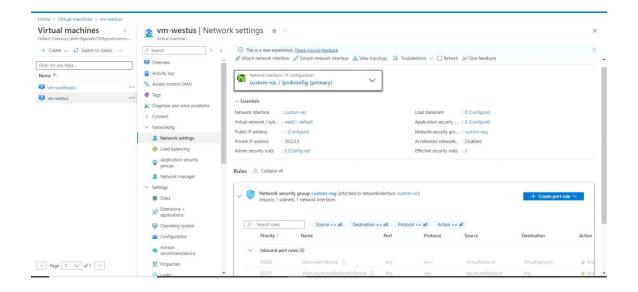




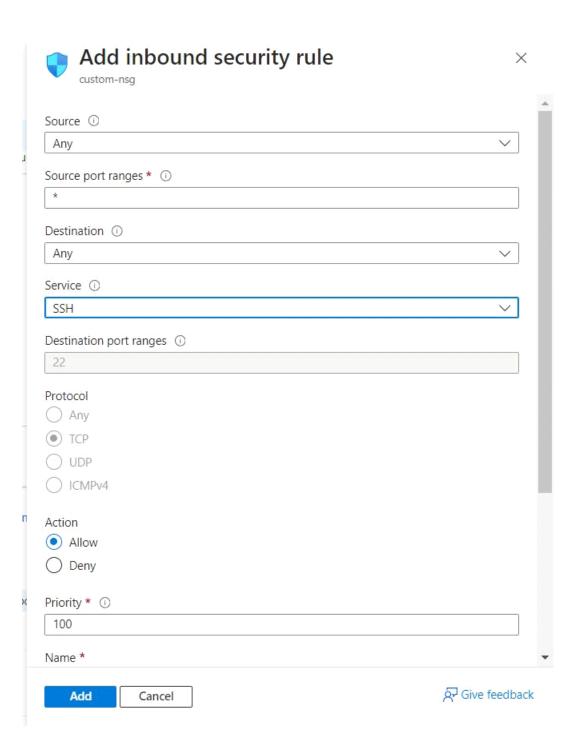
Custom security rules: 0 inbound, 0 outbound

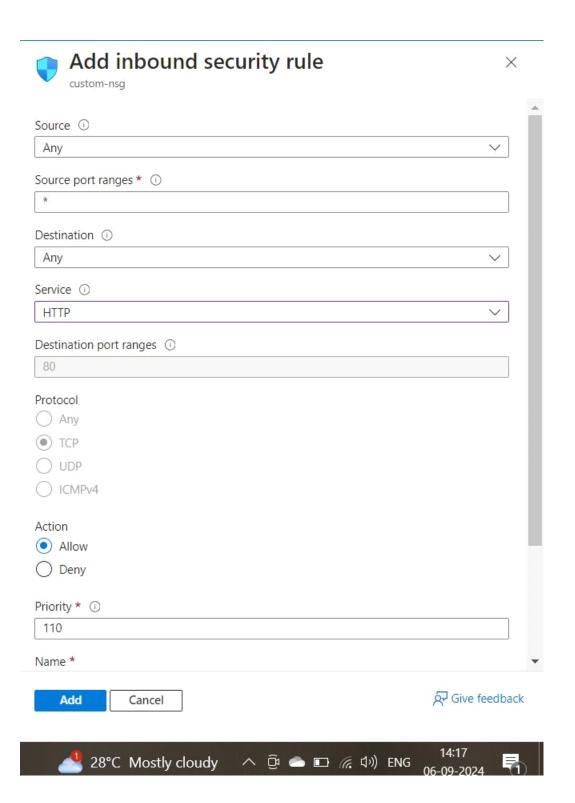
Associated with : 1 subnets, 1 network interfaces

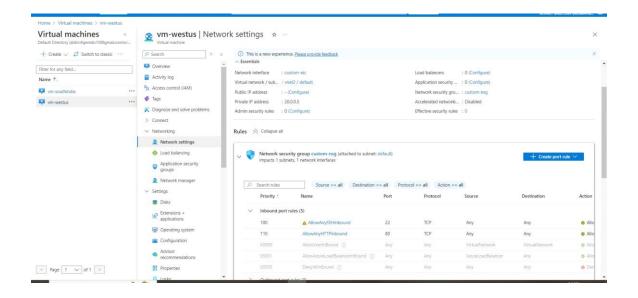
4. Open NSG rules for subnet and VM on port 80











5. Verify if you can see the Apache2 page

••• Starting virtual machine

Starting virtual machine 'vm-westus'...

