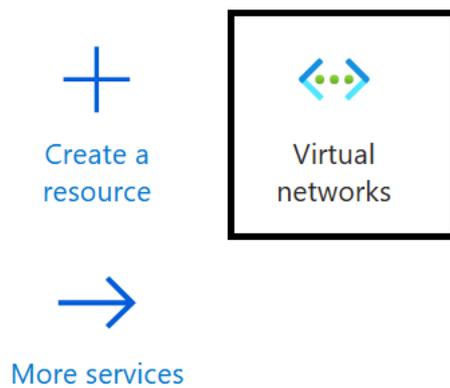# Azure by Abhijeet

Lab1 : Create a Virtual network with two subnet (one public and one private subnet) with total host as 256 and each subnet having 128 host

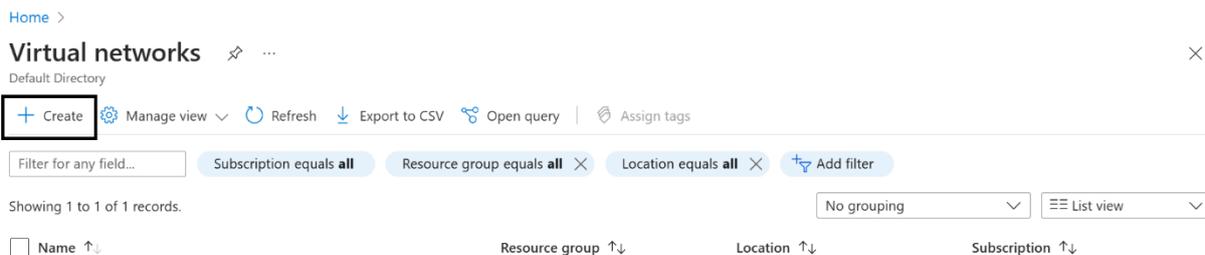**Step 1: Login to the azure portal**

Step 2: Click on Vnet

Step 3: Click on create button

Step 4: Enter resource group where you want the Vnet to be placed

Step 5: Enter Vnet name

Step 6: Enter Region

Home > Virtual networks >

Create virtual network ···

Basics   Security   IP addresses   Tags   Review + create

Subscription *

      Resource group *

| Azure subscription 1 | ⌄ |

| my-rg | ⌄ |
Create new

Instance details

Virtual network name *

Region * ⓘ

| prod-vnet |

| (Canada) Canada Central | ⌄ |
Deploy to an Azure Extended Zone

Step 6: Select IP addresses Tab

Create virtual network ···

Basics   Security   **IP addresses**   Tags   Review + create

Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. Learn more ⧉

Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. Learn more ⧉

+ Add a subnet

⌃ 10.0.0.0/16   🗑 Delete address space

This address prefix overlaps with virtual network 'my-vnet'. If you intend to peer these virtual networks, change the address space. Learn more ⧉)

10.0.0.0	/16

Step 7: Choose /24 from drop-down

Step 8: Delete existing subnet

Create virtual network ···

Basics   Security   **IP addresses**   Tags   Review + create

⌃ 10.0.0.0/24   🗑 Delete address space

This address prefix overlaps with virtual network 'my-vnet'. If you intend to peer these virtual networks, change the address space. Learn more ⧉)

10.0.0.0	/24 ⌄
10.0.0.0 - 10.0.0.255	256 addresses

Subnets	IP address range	Size	NAT gateway		
default	10.0.0.0 - 10.0.0.255	/24 (256 addresses)	-	✏	🗑

Step 9: Click on add a subnet

Step 10: Enter name as pub-sub ,size as /25 and click on add button in bottom

Step 11: Again click on add a subnet

Step 12: Enter name as pvt-sub ,size as /25

Step 13: Select option as Enable private subnet

Step 14: Click on review and create

Create virtual network ...

Basics Security **IP addresses** Tags Review + create

10.0.0.0	/24 ⌄
10.0.0.0 - 10.0.0.255	256 addresses

Subnets	IP address range	Size	NAT gateway		
pub-sub	10.0.0.0 - 10.0.0.127	/25 (128 addresses)	-	✏	🗑
pvt-sub	10.0.0.128 - 10.0.0.255	/25 (128 addresses)	-	✏	🗑

Add IPv4 address space | ⌄

Previous Next **Review + create**   ⤢ Give feedba