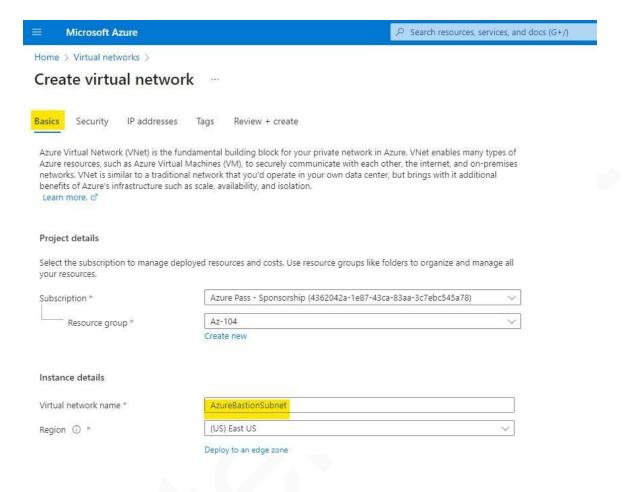


Module 7: Hands-On: Creating a Bastion Host and Connecting a VM

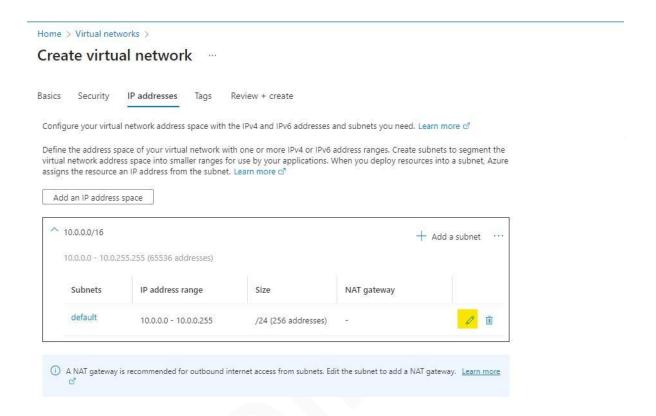


Step 1: Go to Azure Portal and search for virtual networks and fill in the basic details





Step 2: Enter the basic details under IP Addresses, add a subnet by the name AzureBastionSubnet and a subnet range of up to /26 and click on Add. Also make sure the subnet template should be Azure Bastion and then click on Save

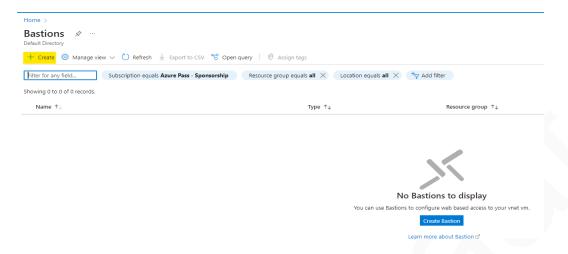




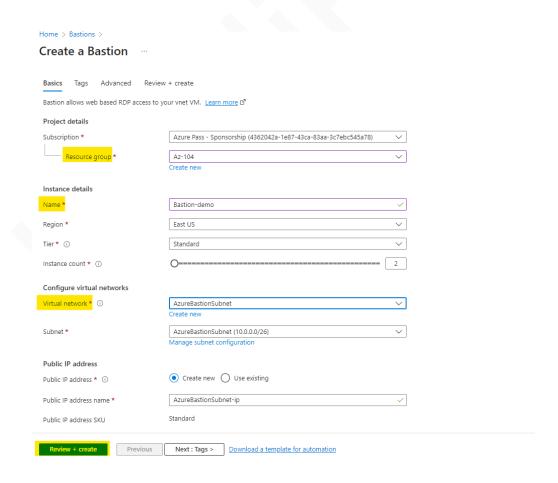
IP address space (i)	10.0.0.0/16	~
	10.0.0.0 - 10.0.255.255 (65536 addresses)	
Subnet details		
Subnet template (i)	Azure Bastion	~
Name * ①	AzureBastionSubnet	
Starting address * (i)	10.0.0.0	
Subnet size ①	/26 (64 addresses)	~
	10.0.0.0 - 10.0.0.63 (64 addresses)	
Security Simplify internet access for virtual	10.0.0.0 - 10.0.0.63 (64 addresses) machines by using a network address translation gateway. Filter subnet traffic	using a network security
Security Simplify internet access for virtual of group. Learn more and access for virtual of group.	machines by using a network address translation gateway. Filter subnet traffic	using a network security
Security Simplify internet access for virtual i group. Learn more ಲೆ NAT gateway ①	machines by using a network address translation gateway. Filter subnet traffic None Create new	using a network security
Security Simplify internet access for virtual i group. Learn more ළු NAT gateway ①	machines by using a network address translation gateway. Filter subnet traffic	using a network security
Security Simplify internet access for virtual of group. Learn more	machines by using a network address translation gateway. Filter subnet traffic None Create new None	using a network security
Security Simplify internet access for virtual in group. Learn more NAT gateway Network security group Network security group	machines by using a network address translation gateway. Filter subnet traffic None Create new None Create new	using a network security
Security Simplify internet access for virtual in group. Learn more NAT gateway Network security group Network security group	machines by using a network address translation gateway. Filter subnet traffic None Create new None Create new	using a network security
Simplify internet access for virtual group. Learn more of NAT gateway ① Network security group ①	machines by using a network address translation gateway. Filter subnet traffic None Create new None Create new	using a network security



Step 3: Go to the Azure Portal and search for Bastions, and then click on Create

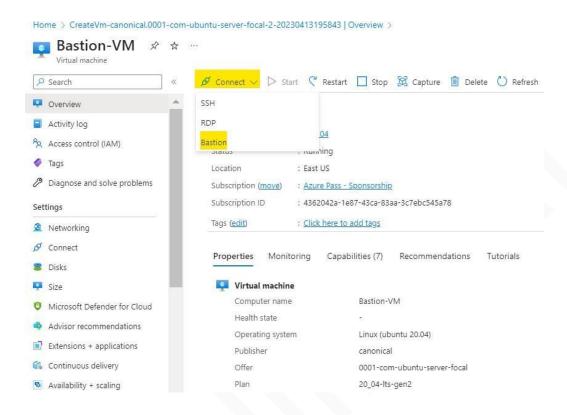


Step 4: Enter the details such as the name of the resource group, region, and virtual network. Select the subnet as AzureBastionSubnet, and then click on Review + create

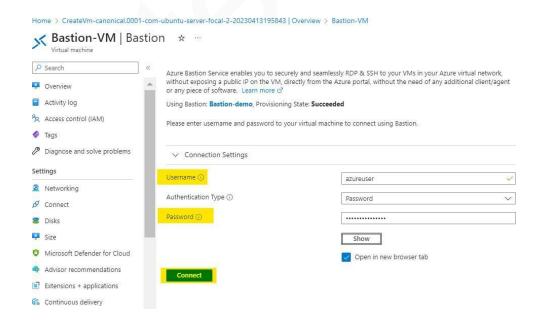




Step 5: To connect your virtual machine using Bastion, deploy a VM in the same virtual network, click on Connect and select Bastion



Step 6: Enter the username and password for the virtual machine and a new window will pop up for your virtual machine





Step 7: Here, your machine gets launched

```
← → C 🐞 bst-81fb0692-000f-4d38-bfe0-6eabef660672.bastion.azure.com/#/client/QmFzdGlvbi1WTQBjAGJpZnJvc3Q=?trustedAuthority=https:%2F...
                     https://help.ubuntu.com
https://landscape.canonical.com
https://ubuntu.com/advantage
  Documentation:
  Management:
 System information as of Thu Apr 13 14:41:09 UTC 2023
 System load: 0.02 Processes: Usage of /: 5.3% of 28.89GB Users logged in:
 Memory usage: 29%
                                       IPv4 address for eth0: 10.0.1.4
 Swap usage: 0%
xpanded Security Maintenance for Applications is not enabled.
 updates can be applied immediately.
m{Z}_{\!\!\!\!A}able ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
ast login: Thu Apr 13 14:39:22 2023 from 10.0.0.4
o run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
azureuser@Bastion-VM:~$ 📗
```