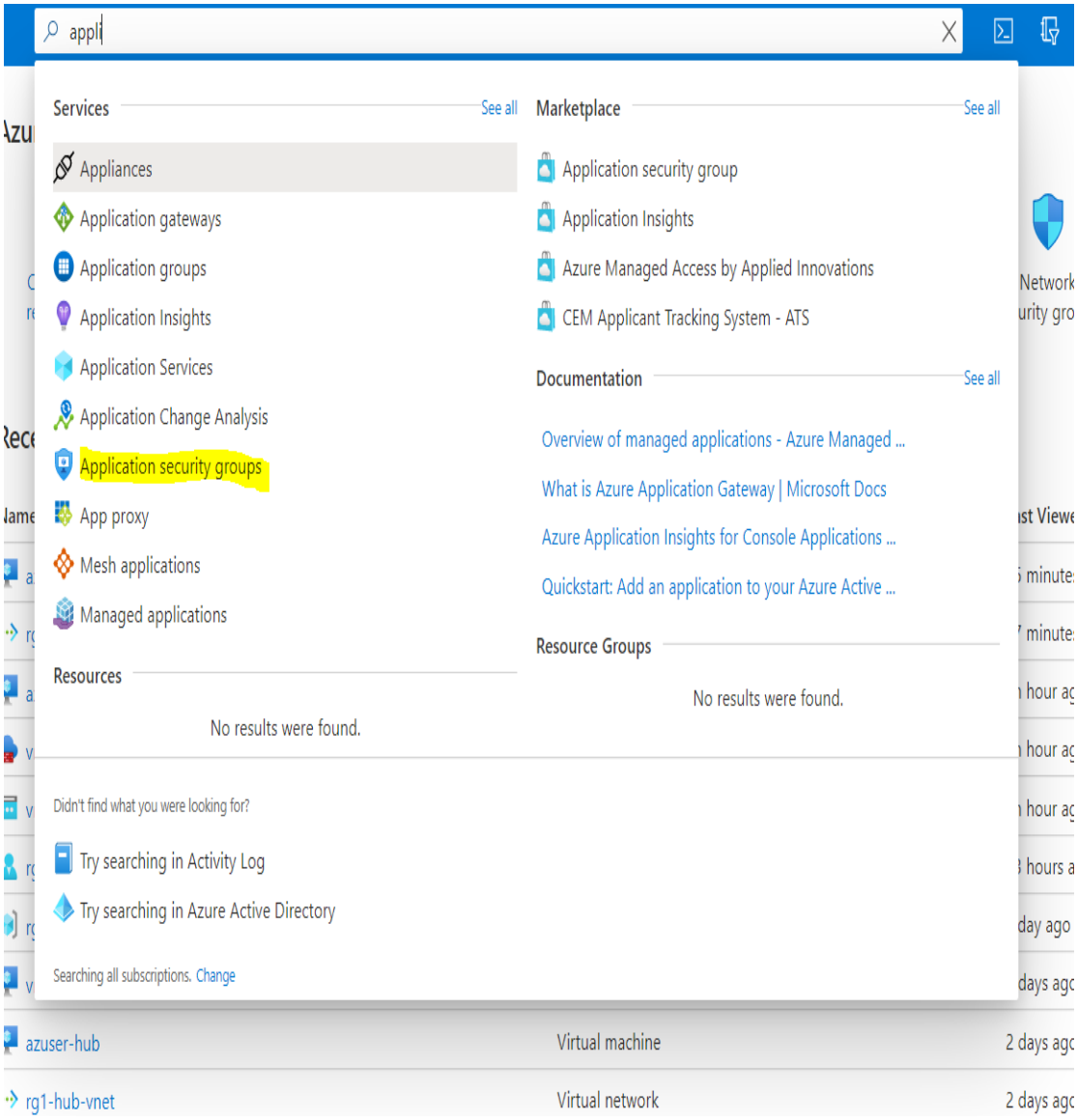
CREATING APPLICATION SECURITY GROUPS

Go to -> Search -> Application Security Group -> Create



- Resource group : Rg1
- Name : mgmt1
- Region : East US
- Follow same and create another ASG with Name : web1

REST ALL LEAVE AS DEFAULTS AND CLICK REVIEW & CREATE.

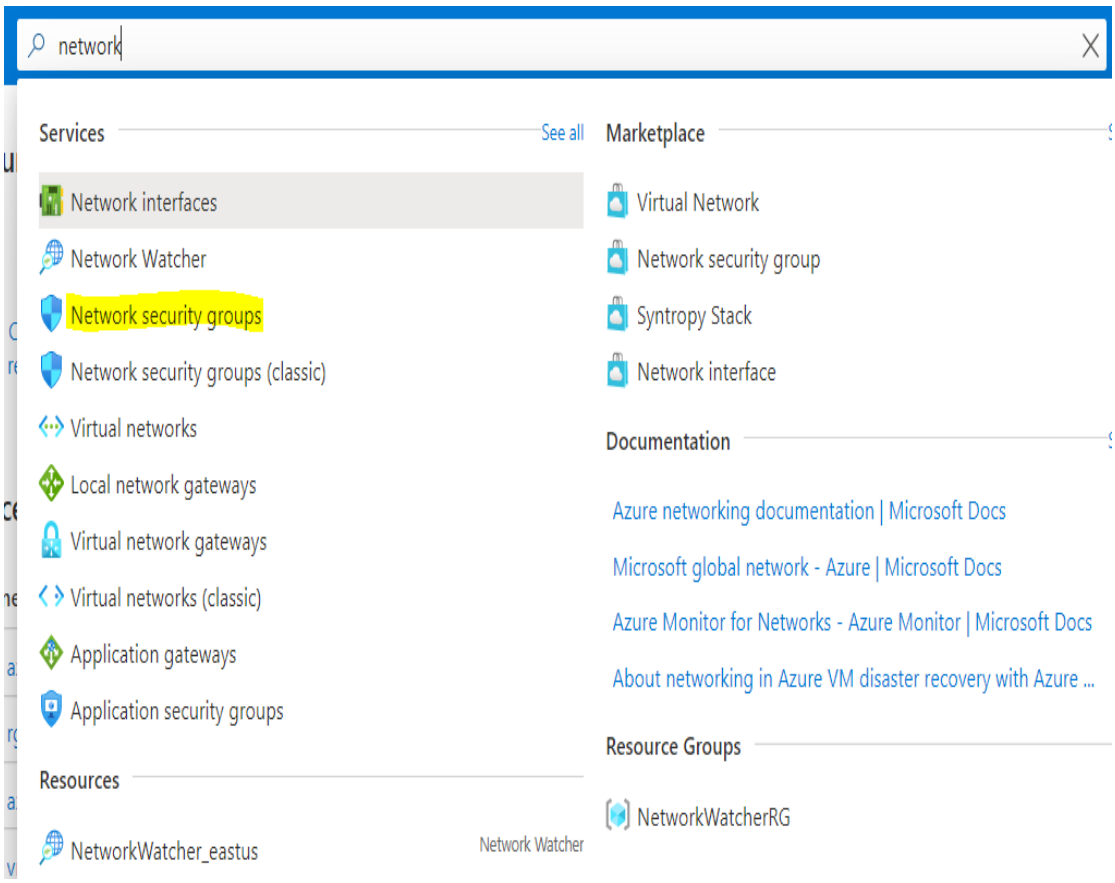
After creating ASGs,

Goto -> rg1-vm1-mgmt1 -> Networking -> Application Security Groups -> Configure the application security groups -> Select mgmt1 -> Save

Repeat same for rg1-vm1-web1 configuring with web1 ASG.

CREATING NETWORK SECURITY GROUPS

Go to -> Search -> Network Security Group -> Create



- Resource group : rg1
- Name : nsg1
- Region : East US

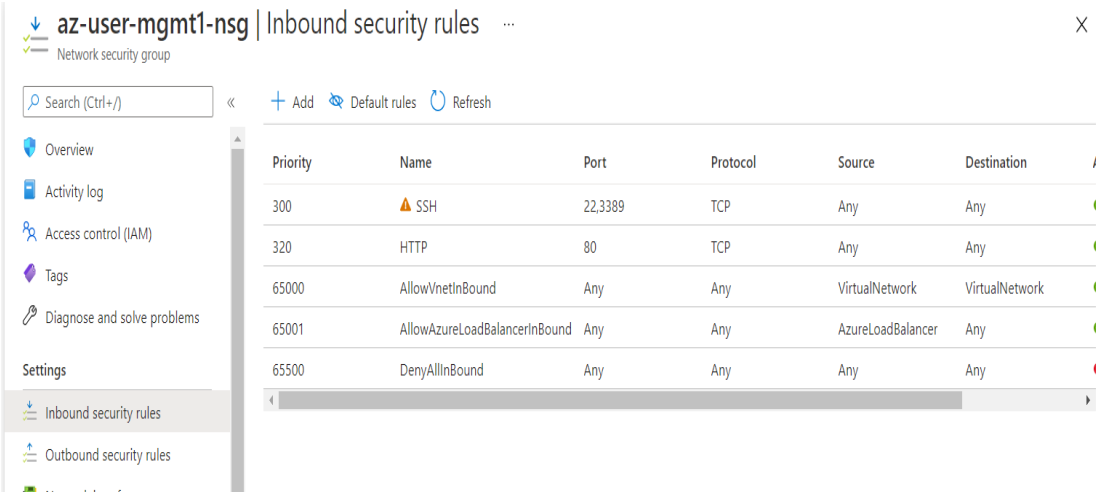
REST ALL LEAVE AS DEFAULTS AND CLICK REVIEW & CREATE.

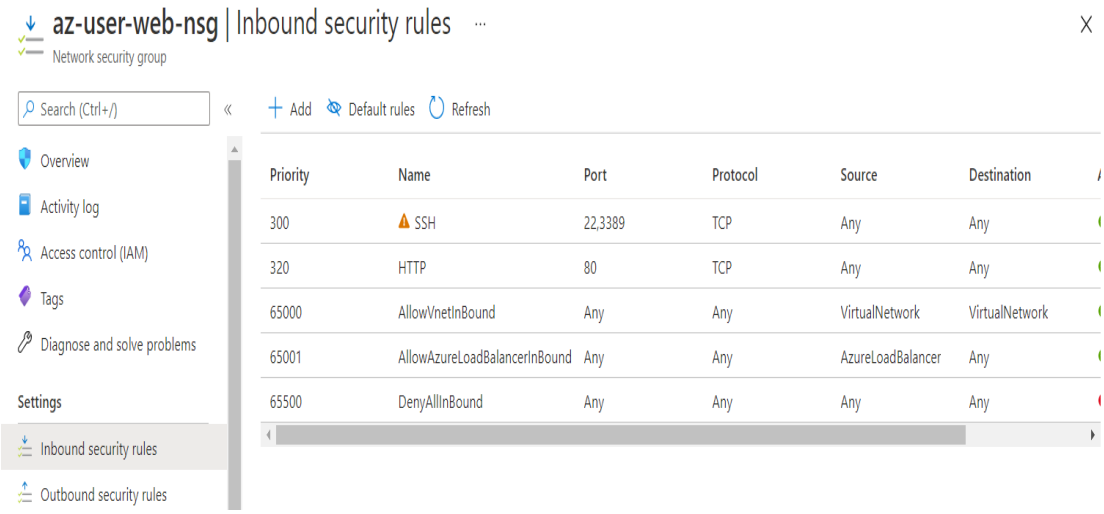
After creating NSGs

Goto -> az-user-mgnt1-nsg -> inbound security rules -> add

- Source : Any
- Source port ranges : *
- Destination : Any
- Destination port ranges : 22,3389
- Protoclo : TCP
- Action : Allow
- Priority : 300
- Name : allow ssh
- Repeat the same and create another NSG with Name : az-user-web-nsg

REST ALL LEAVE AS DEFAULTS AND CLICK SAVE.





Now,
Goto -> Subnets in nsg1 -> Associate -> Select Rg1-vnet1-subnet1 -> Save
Goto -> Subnets in nsg1 -> Associate -> Select Rg1-vnet1-subnet2 -> Save

CREATING VNET PEERING

Now, we'll create another VM as using below details.

- Resource group - rg1
- Virtual Machine name: rg1-hub
- Region : East US
- Avialiablity options : No infrastructure redundancy required.
- Image : Keep Default, i.e. Ubuntu server 18.04 LTS - Gen1
- Size : Standard_B1s
- Authentication Type: Password
- Username : azuser-hub
- Password : 16 character password of your choice.
- Select inbound ports: SSH, RDP
- Virtual network : Rg1-hub-vnet
- Subnet : Rg1-hub-subnet1

REST ALL LEAVE AS DEFAULTS AND CLICK REVIEW & CREATE.

Now, we'll create another VM as using below details.

- Resource group - rg1
- Virtual Machine name: rg1-vm2
- Region : East US
- Avialiablity options : No infrastructure redundancy required.
- Image : Keep Default, i.e. Ubuntu server 18.04 LTS - Gen1
- Size : Standard_B1s
- Authentication Type: Password
- Username : azuser-vm2
- Password : 16 character password of your choice.
- Select inbound ports: SSH, RDP
- Virtual network : Rg1-vnet2
- Subnet : Rg1-vnet2-subnet1

REST ALL LEAVE AS DEFAULTS AND CLICK REVIEW & CREATE.

After creating VMs,

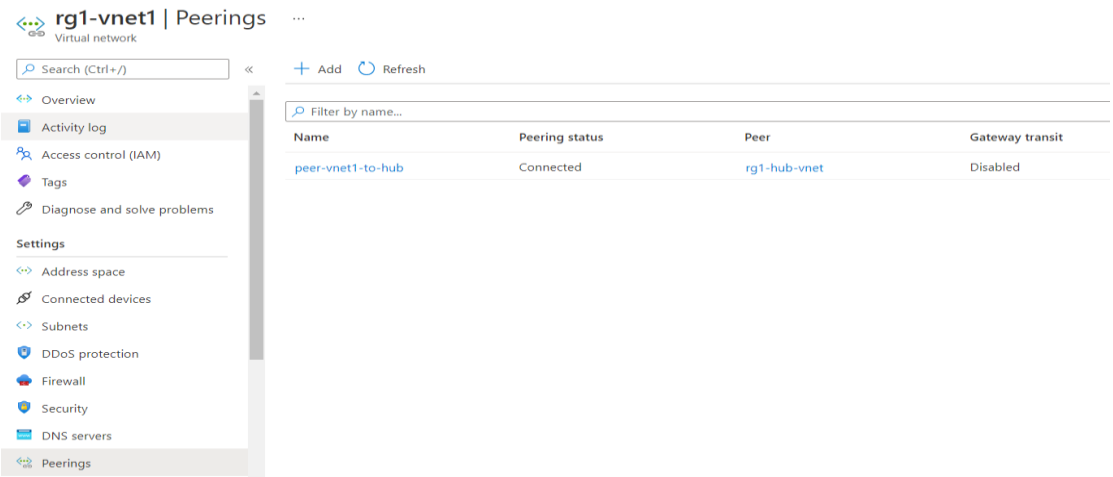
Goto -> rg1-vnet1 -> Peerings -> add

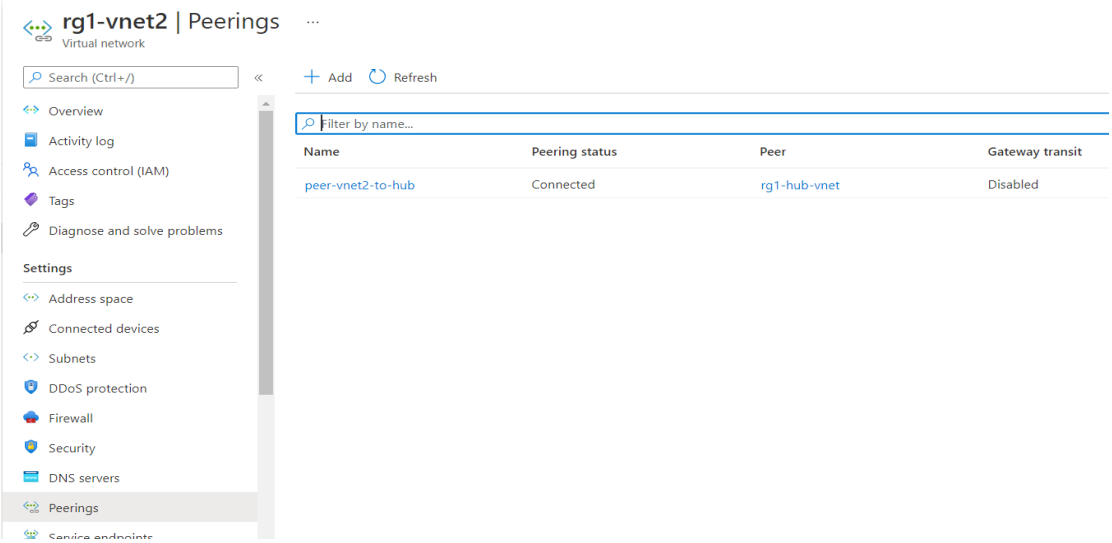
- Peering link name : peer-vnet1-to-hub
- Remote virtual network : peer-hub-to-vnet1
- Virtual network : Rg1-vnet1

Goto -> rg1-vnet2 -> Peerings -> add

- Peering link name : peer-vnet2-to-hub
- Remote virtual network : peer-hub-to-vnet2
- Virtual network : Rg1-vnet2

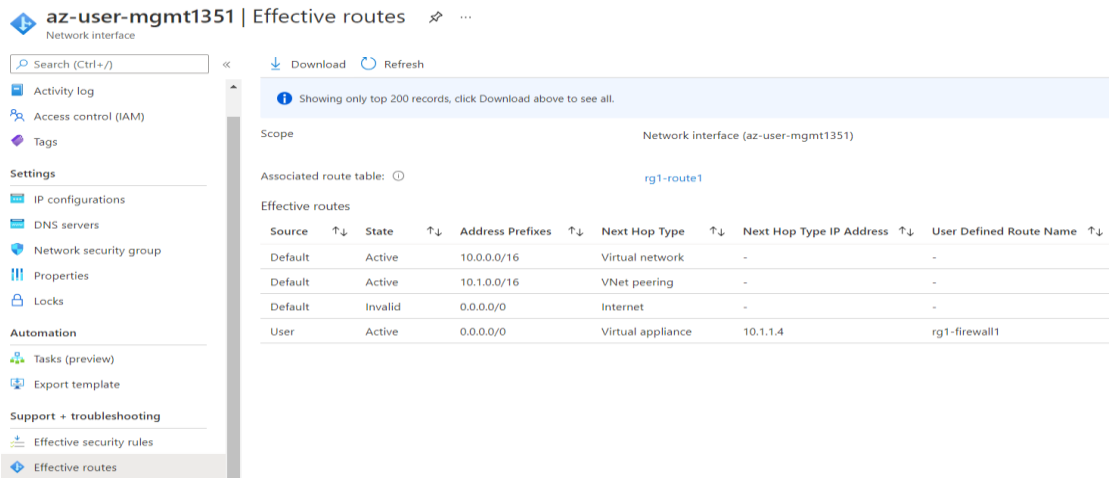
You can check the peering status in Peerings as Connected.

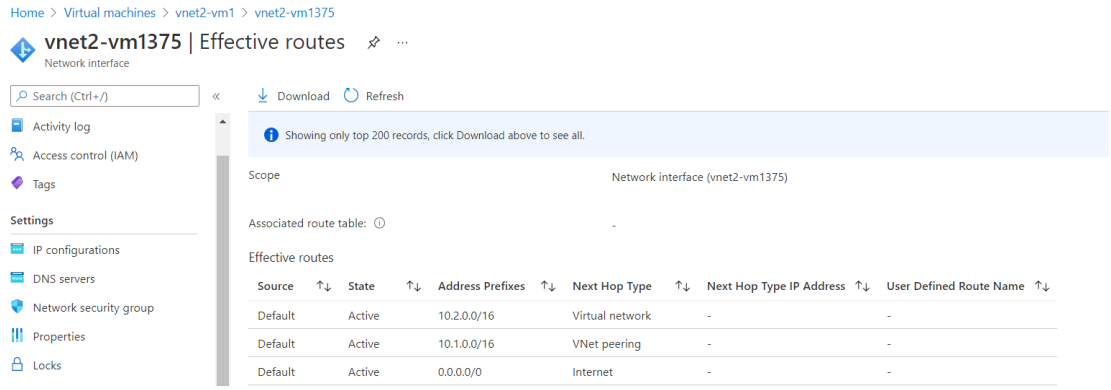




Another way to check Peering status is by

Goto -> rg1-user-mgmt1 (VM) -> Networking -> Network Interface -> Effective Routes -> Next Hop Type mentioned as Vnet Peering.





Now login to rg1-user-mgmt1 and ping rg1-hub public ip (ping successful).
Now login to rg1-vm2 and ping rg1-hub public ip (ping successful).