FIREWALL:

- while creating vnet enable firewall in security =created vnet
- create a new vm and default subnet
- inbount port rules :none
- public ip: none
- create
- resourcegrp->firewall u created-> private ip=note public and private ip

nsg rules are statefull:

- when u make an inbound connection,default allow outbound connection
- when u make 80,response is ok
- somebody can come frm the door,and ok to go back
- incomming req allowed,response?(ok if stateful)

firewall rules are not stateful:

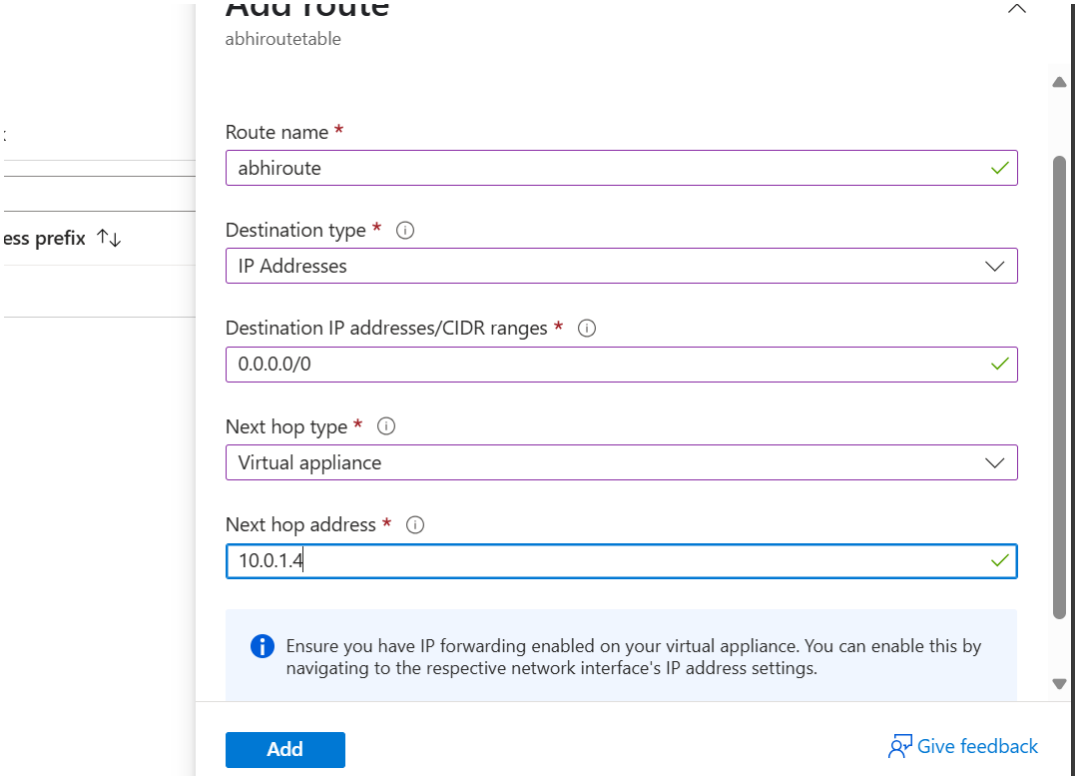
outbound is required in stateless

search **route table**:

- create +
- ur routetable->settings->subnets->associate
- **route-**>ip address->0.0.0.0/0->virtual appliance->next hop address=prv ip of firewall
- next hop address = **priv ip of firewall**
- rule:allow to respond to whom
- create a default root of 0.0.0.0/0 -so anyone can?

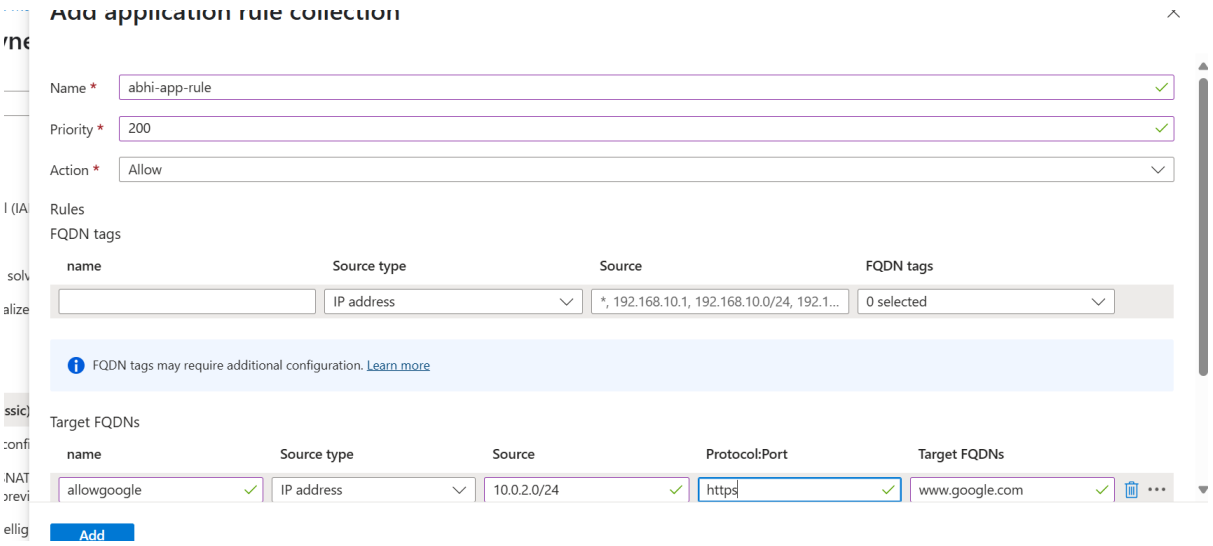
- this is at vnet level

Added route:

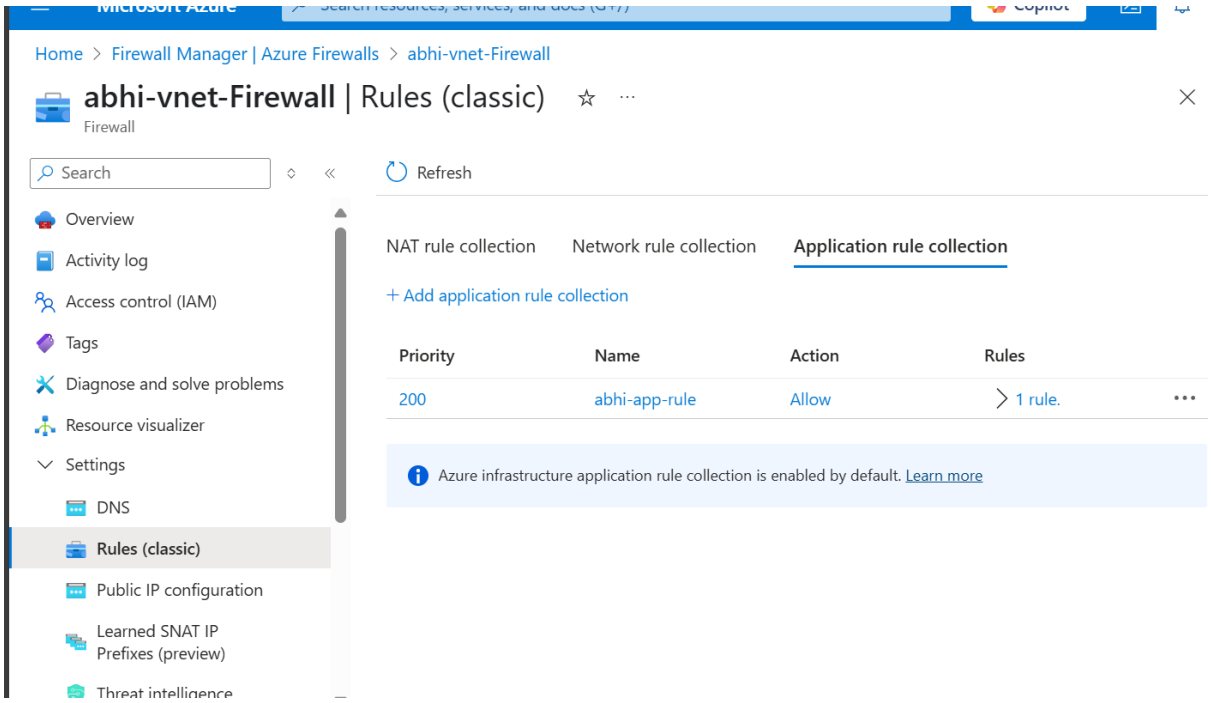


go to firewall->settings->rules->application rule collection->add

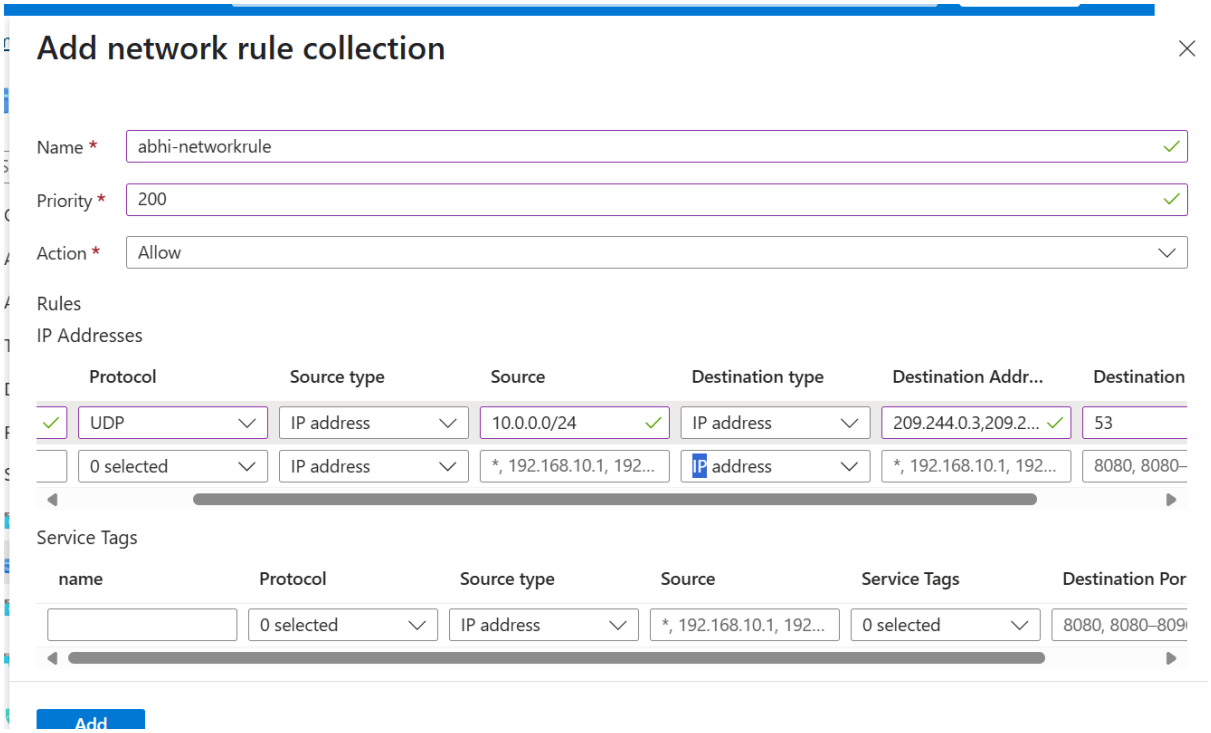
Adding application rule : change it to 10.0.0.0/24



Created:



Added network rule: worked(subnet range also should be same)



create network rule:

10.0.0.0/24:source =the subnet range and this should be same

209.244.0.3,209.244.0.4:destination=dns

53=destination Port

Add

NAT rule:

translated address:10.0.0.4(private ip of vm)

Protocol:TCP

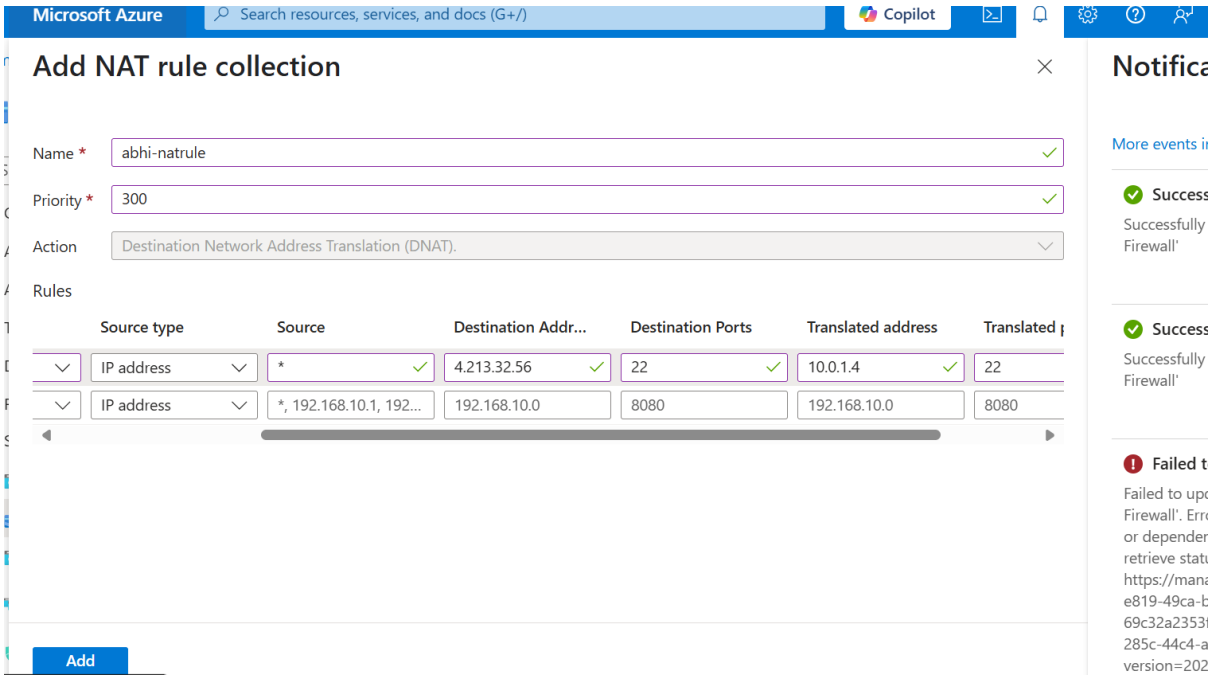
source:*

Destination Addre:4.213.32.56(public ip of firewall)

Destination Ports:22

Translated address:10.0.0.4(priv ip of vm)

Translated port:22



try to connect to public ip of firewall:

ssh -i abhi-vm_key\ \(2\).pem azureuser@4.213.32.56 =worked

try to curl inside vm:

curl https://www.google.com =worked