**AWS VPC CREATION**

**AND PEERING**

Abdul Quader

[Company name] | [Company address]

Contents

[VPC Dashboard 2](#_Toc115971016)

[Creating VPC – VPC only 2](#_Toc115971017)

[Creating Subnets 3](#_Toc115971018)

[Creating Internet Gateway and attach to MyNet\_VPC 4](#_Toc115971019)

[Creating Routing Table—Edit routes—Subnet Associations 5](#_Toc115971020)

[Action – Edit Route 5](#_Toc115971021)

[Action --Edit Subnet Association (public) Bastion Host 5](#_Toc115971022)

[Create NAT gateway – Allocating Elastic IP 6](#_Toc115971023)

[Creating Routing Table for NAT gateway 6](#_Toc115971024)

[Action – Edit Route 7](#_Toc115971025)

[Action – subnet association 7](#_Toc115971026)

[Launch EC2 instance Bastion Host then Webserver1 8](#_Toc115971027)

[Use Pageant software as Putty agent to store .ppk and adhoc login to Webserver. 9](#_Toc115971028)

[**Peering VPC** 10](#_Toc115971029)

[Another VPC ‘MyAcceptor’ at Ohio Region 10](#_Toc115971030)

[Peering MyNet\_VPC and MyAcceptor 11](#_Toc115971031)

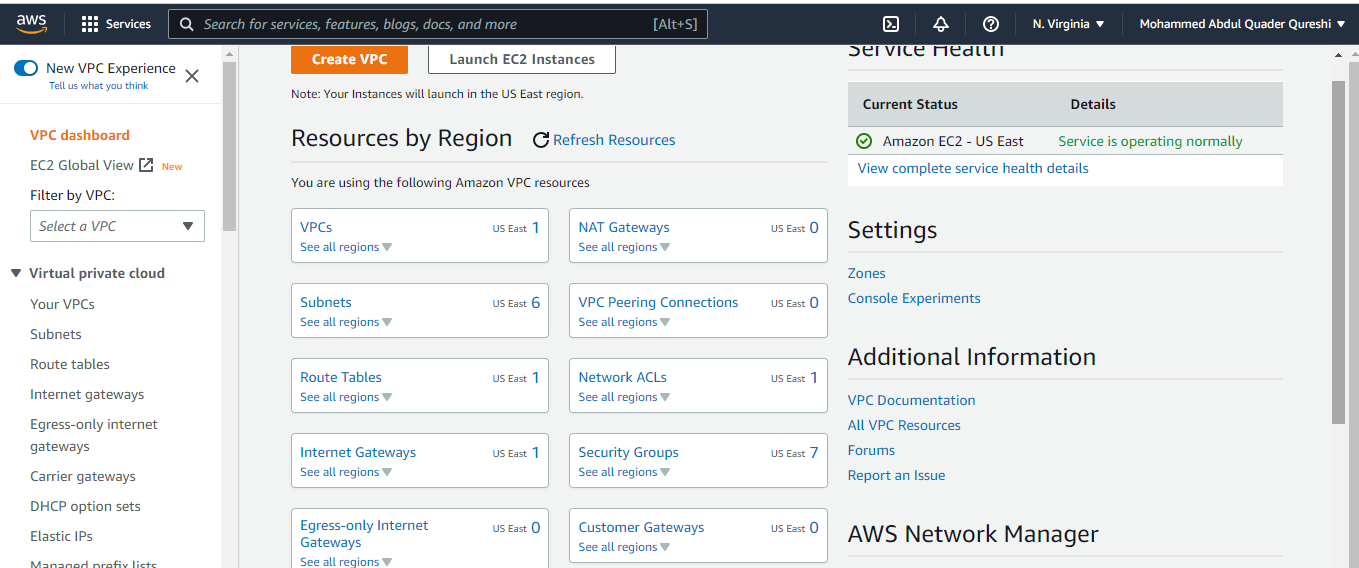
[Accept Request at Ohio VPC ‘MyAcceptor’ 12](#_Toc115971032)

[Create Routing Table at Ohio MyAcceptor 12](#_Toc115971033)

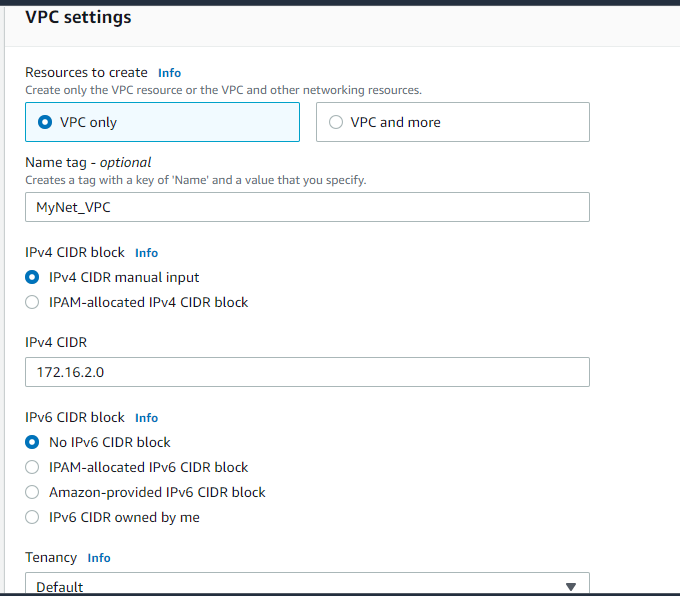
[Edit Association with Subnet “Accept-WebSub1” 13](#_Toc115971034)

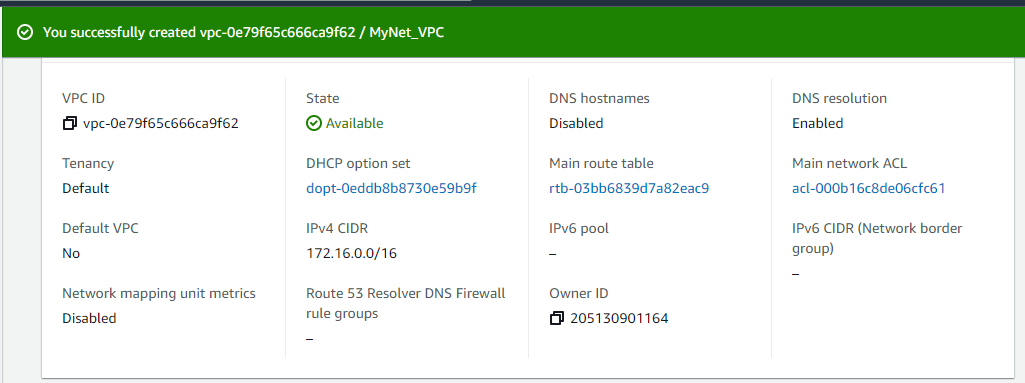
**Virtual Private Cloud(VPC)**

# VPC Dashboard



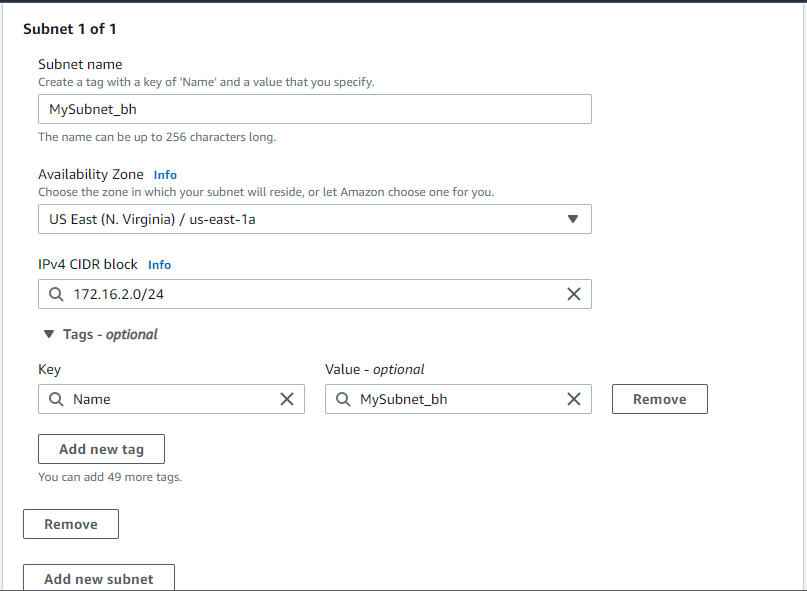
# Creating VPC – VPC only

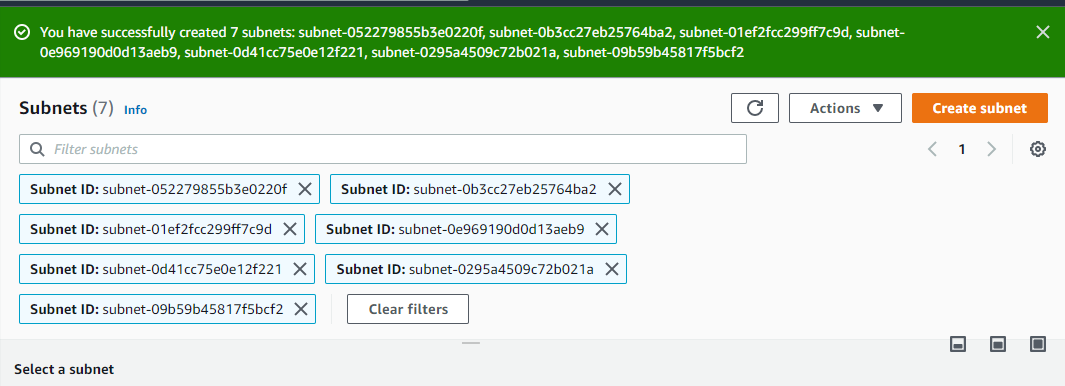


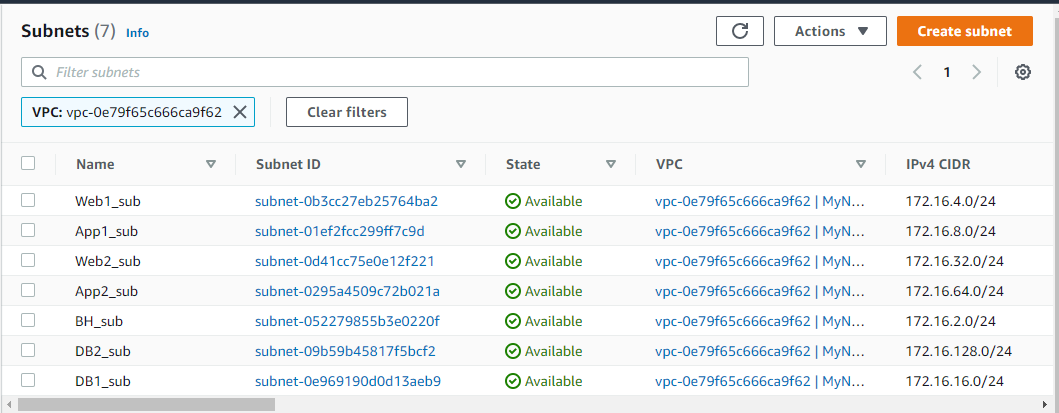


# Creating Subnets

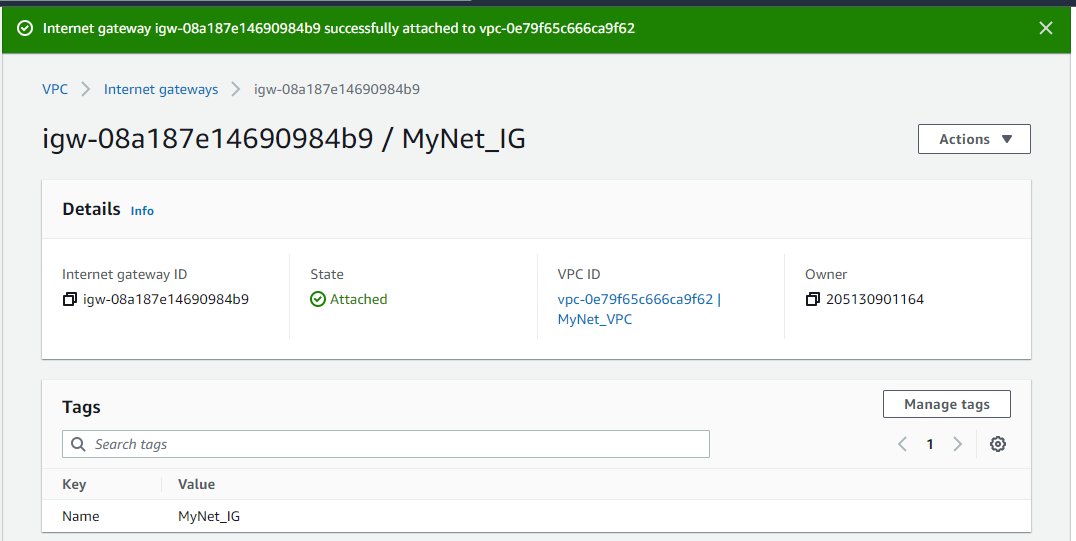
|  |  |
| --- | --- |
| 172.16.2.0/24 | Bastion Host subnet |
| 172.16.4.0/24 | Webserver 1 |
| 172.16.8.0/24 | Appserver 1 |
| 172.16.16.0/24 | Database 1 |
| 172.16.32.0/24 | Webserver 2 |
| 172.16.64.0/24 | Appserver 2 |
| 172.16.128.0/24 | Database 2 |



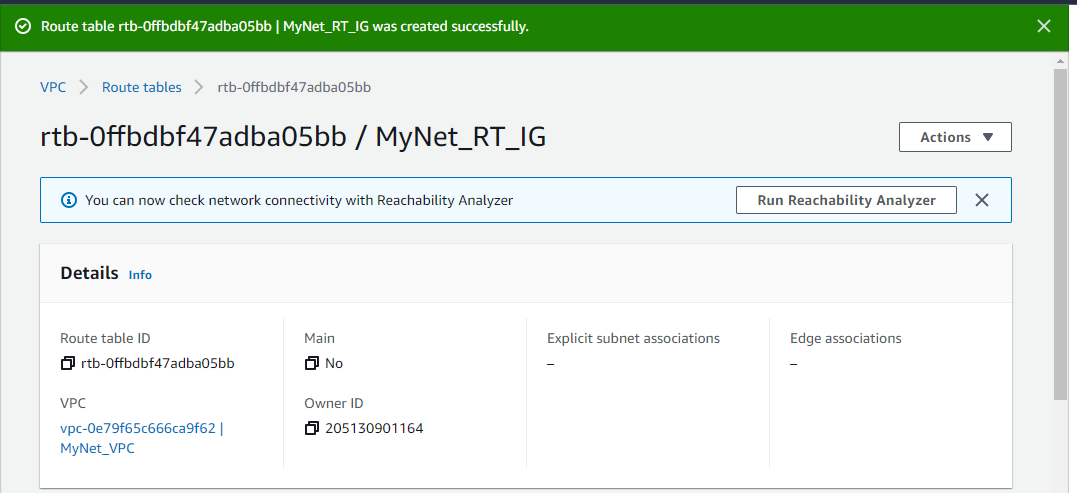




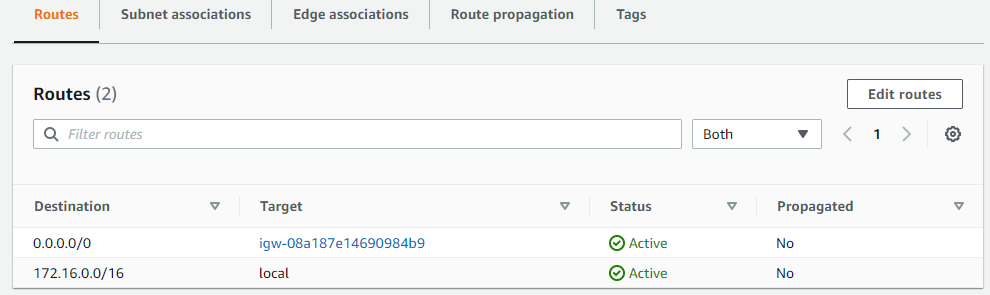
# Creating Internet Gateway and attach to MyNet\_VPC



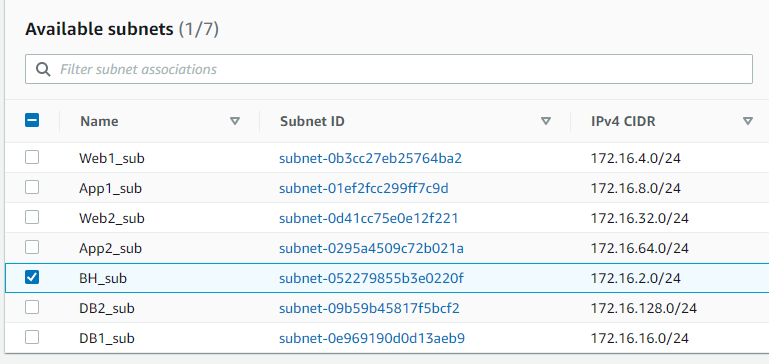
# Creating Routing Table—Edit routes—Subnet Associations



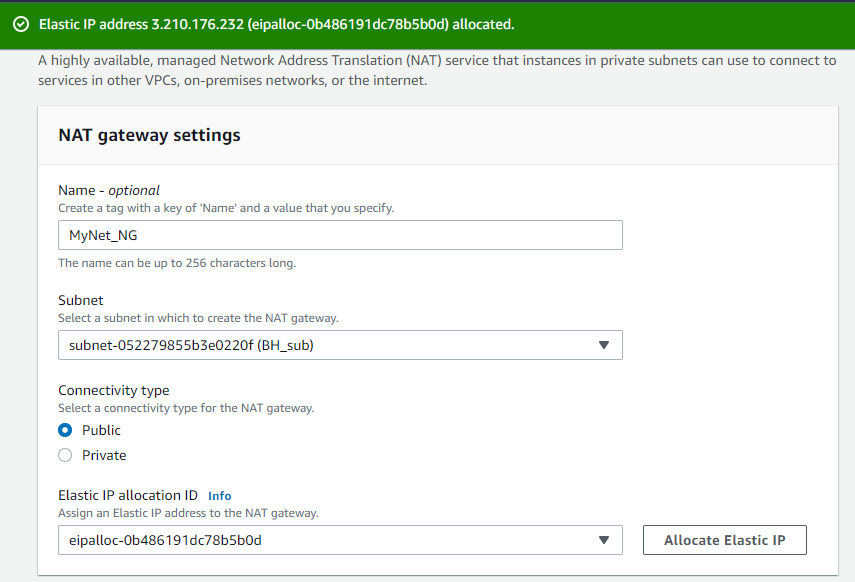
## Action – Edit Route

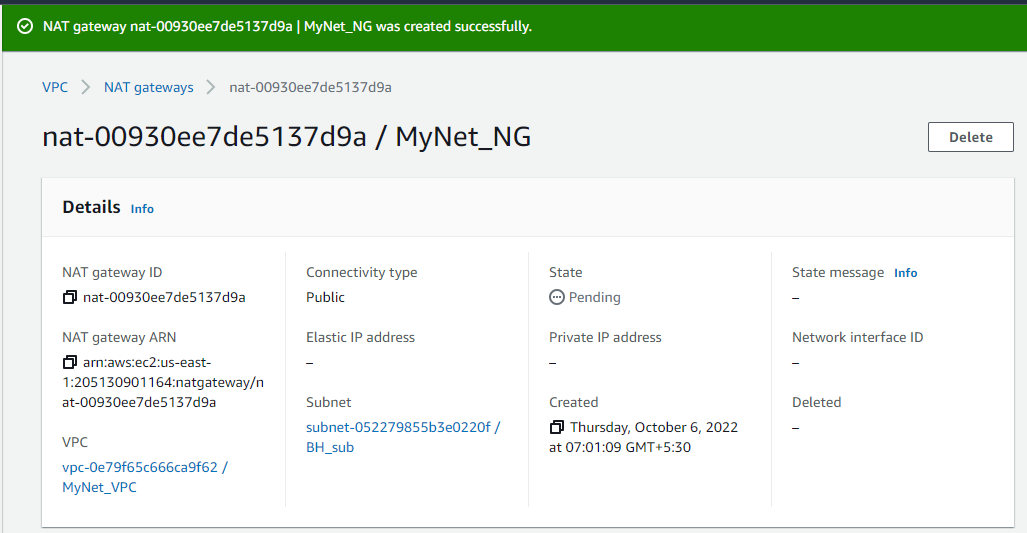


## Action --Edit Subnet Association (public) Bastion Host

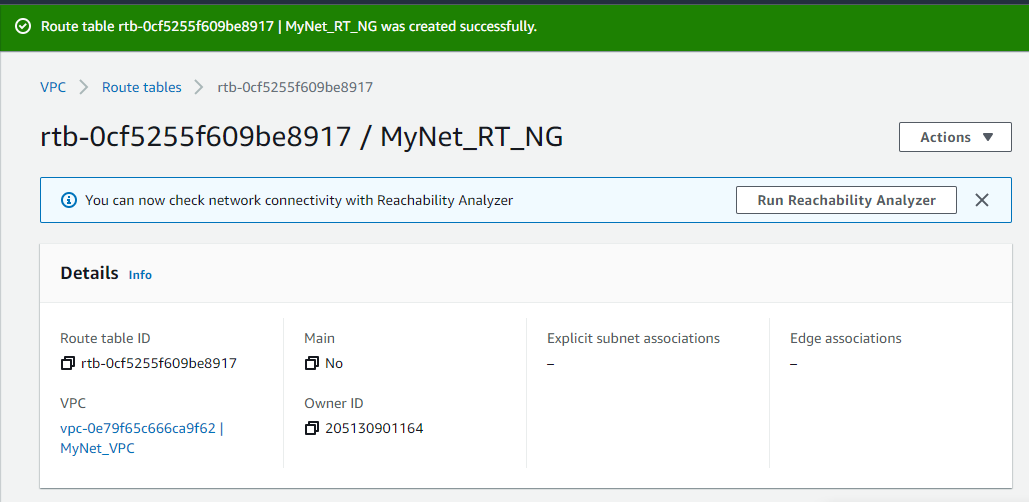


# Create NAT gateway – Allocating Elastic IP

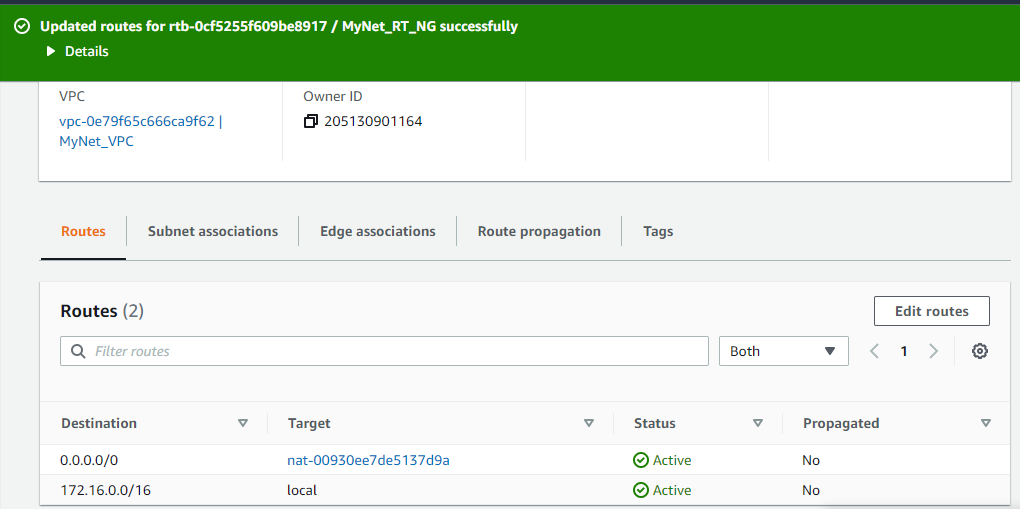




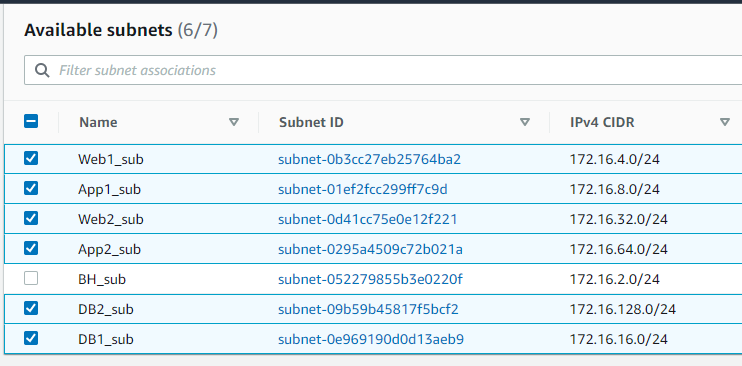
# Creating Routing Table for NAT gateway



## Action – Edit Route



## Action – subnet association

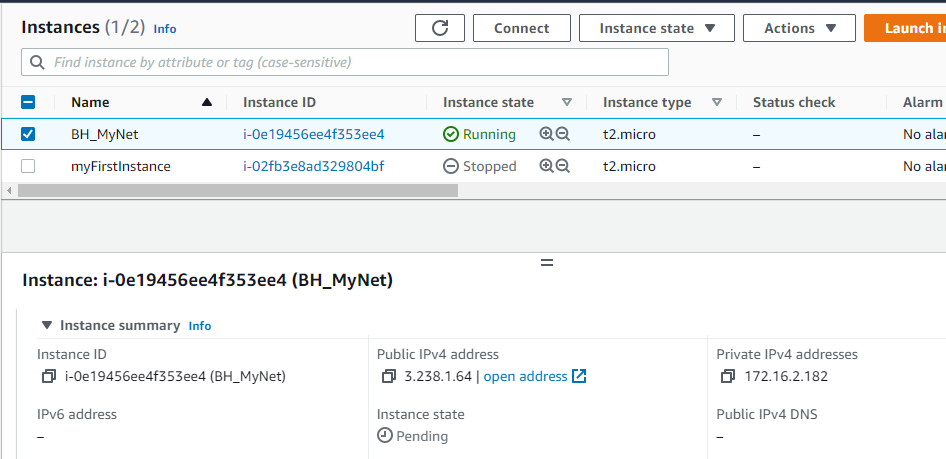
****

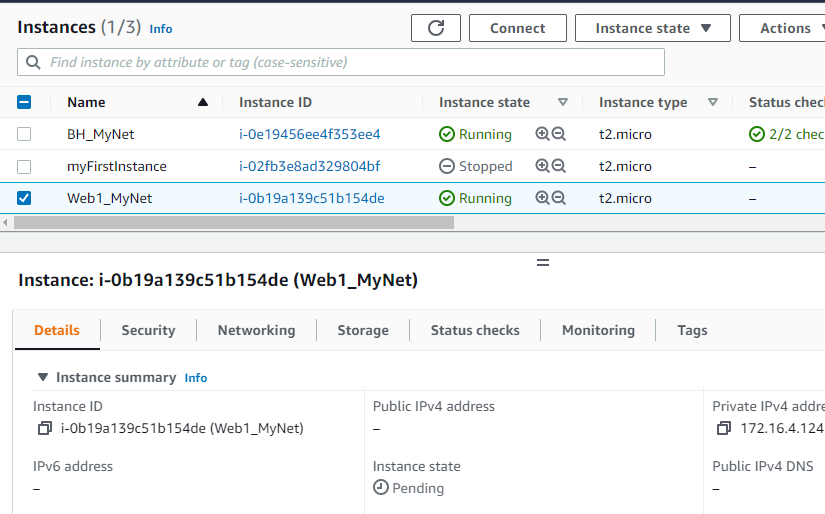
**Now,**

Launch EC2 instance Bastion Host then Webserver1 **with MyNet\_VPC network**

Create individual Security Groups for Bastion Host and Webserver.

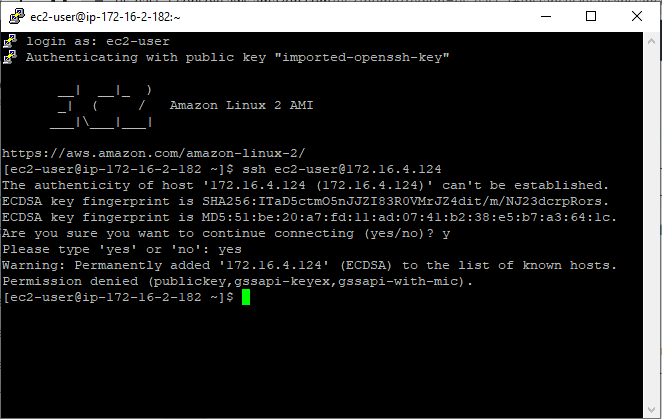
Enable Auto-assign-public IP from Subnet Settings for Bastion Host only.



****

Generate using Putty private .ppk for Bastion host and Webserver1 host and connect.

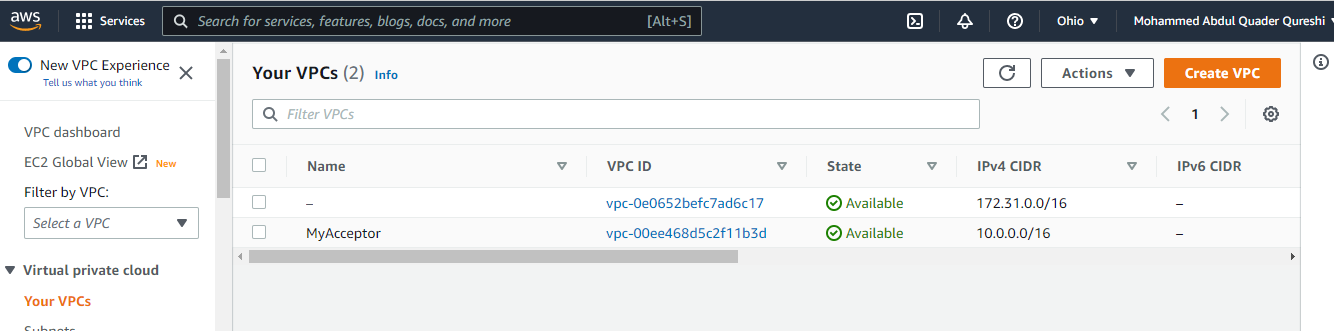
# Use Pageant software as Putty agent to store .ppk and adhoc login to Webserver.



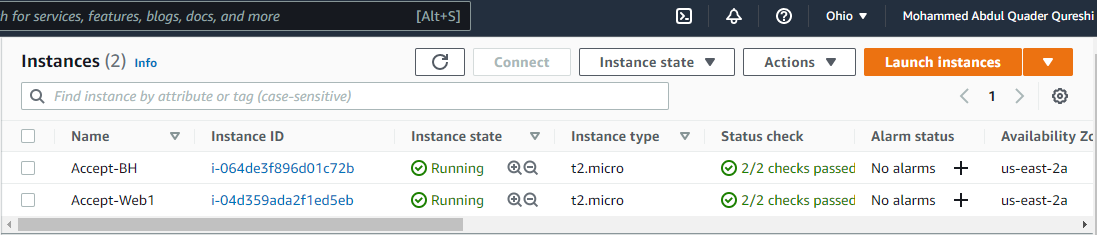
*Delete NAT gateway and then release Elastic IP to avoid cost.*

# **Peering VPC**

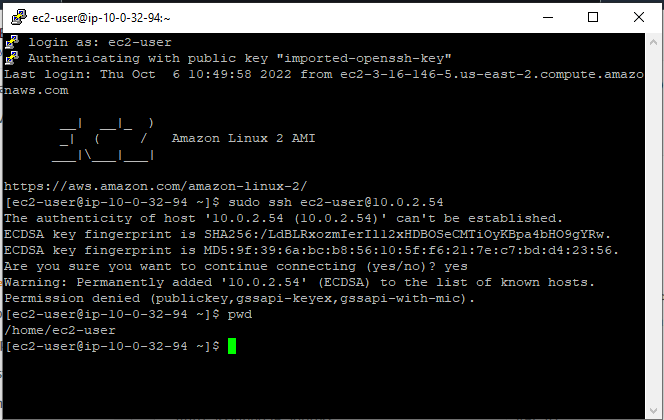
## Another VPC ‘MyAcceptor’ at Ohio Region



Two servers ‘Bastion Host’ and ‘Web1’ at Ohio Region

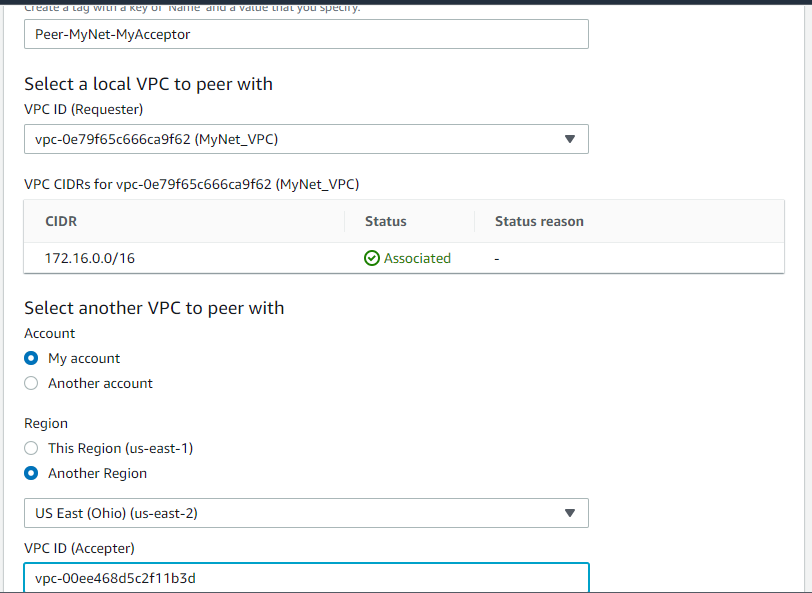


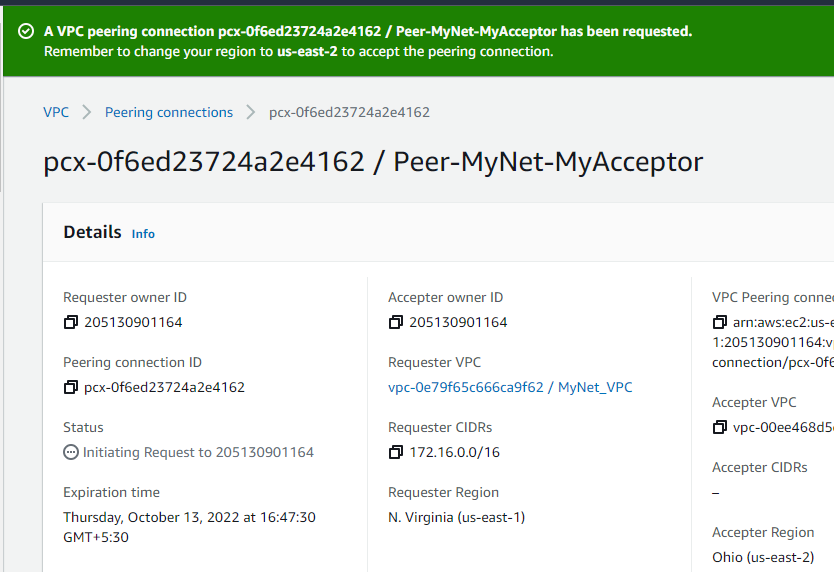
Connectivity to Web1 server from Bastion host



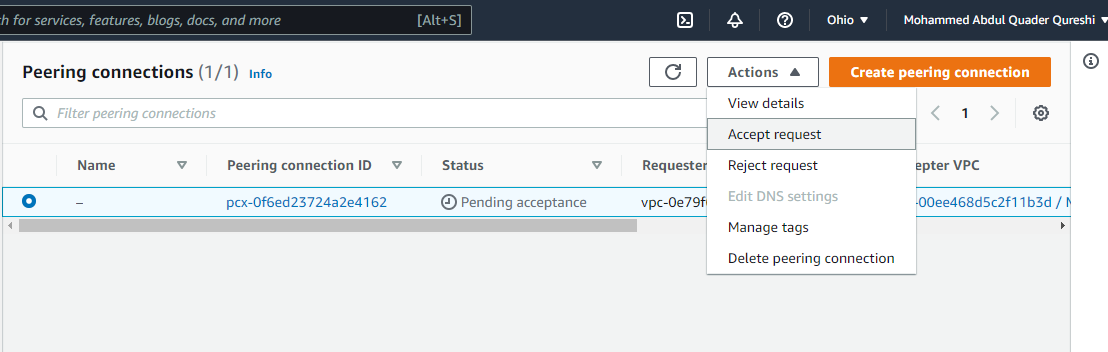
Now,

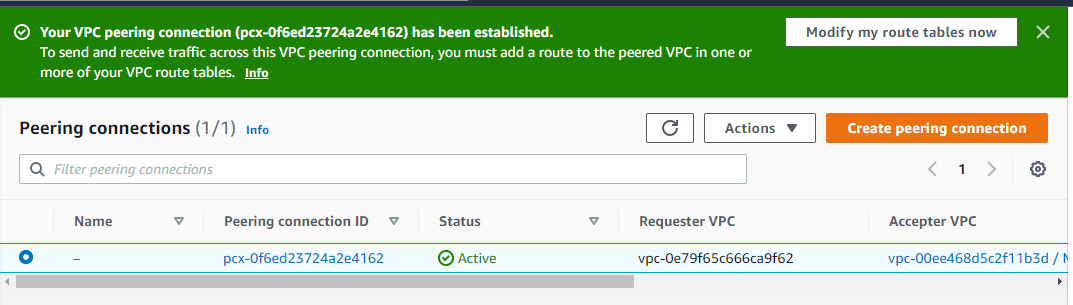
## Peering MyNet\_VPC and MyAcceptor



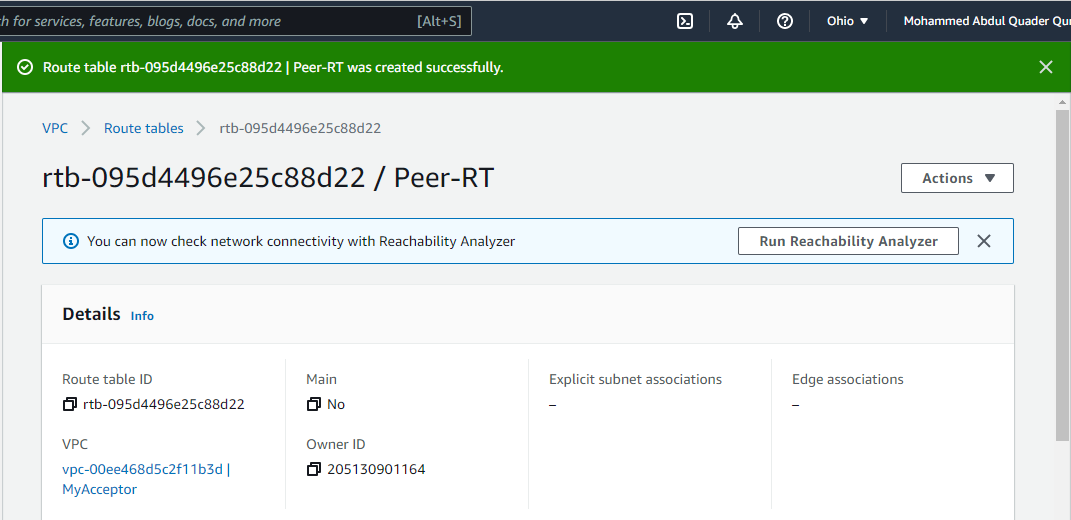


## Accept Request at Ohio VPC ‘MyAcceptor’

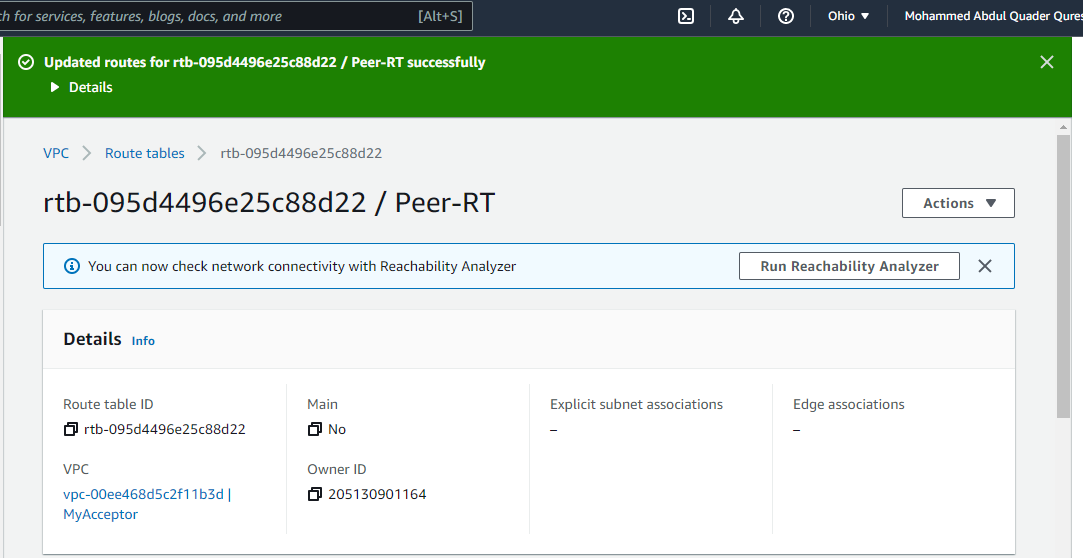




## Create Routing Table at Ohio MyAcceptor



Edit Route



## Edit Association with Subnet “Accept-WebSub1”

