

## VPC PEERING ASSIGNMENT

### Create VPC-1 with CIDR 10.100.0.0/16

The screenshot shows the AWS VPC Management Console in the 'Create VPC' wizard. The breadcrumb navigation is 'VPC > Your VPCs > Create VPC'. The page title is 'Create VPC' with an 'Info' link. A description states: 'A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.'

**VPC settings**

**Resources to create** [Info](#)  
Create only the VPC resource or the VPC and other networking resources.

☒ VPC only ☐ VPC and more

**Name tag - optional** [Info](#)  
Creates a tag with a key of 'Name' and a value that you specify.

**IPv4 CIDR block** [Info](#)  
☒ IPv4 CIDR manual input  
☐ IPAM-allocated IPv4 CIDR block

**IPv4 CIDR**

**IPv6 CIDR block** [Info](#)  
☒ No IPv6 CIDR block  
☐ IPAM-allocated IPv6 CIDR block  
☐ Amazon-provided IPv6 CIDR block

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### STEP-2: create subnets for public and private

The screenshot shows the AWS VPC Management Console in the 'Create Subnet' wizard. The breadcrumb navigation is 'VPC > Your VPCs > Create Subnet'. The page title is 'Create Subnet' with an 'Info' link. A description states: 'A subnet is a range of IP addresses in your VPC. You can use a subnet to launch Amazon EC2 instances and other AWS resources.'

**Subnet 1 of 1**

**Subnet name** [Info](#)  
Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

**Availability Zone** [Info](#)  
Choose the zone in which your subnet will reside, or let Amazon choose one for you.

**IPv4 CIDR block** [Info](#)

**Tags - optional**

Key	Value - optional	
<input type="text" value="Name"/>	<input type="text" value="namratha-vpc-public"/>	<input type="button" value="Remove"/>

You can add 49 more tags.

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https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

aws Services Search for services, features, blogs, docs, and more [Alt+S]

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### Resource Groups & Tag Editor

**Subnet name**  
Create a tag with a key of 'Name' and a value that you specify.  
namratha-private-subnet  
The name can be up to 256 characters long.

**Availability Zone** [Info](#)  
Choose the zone in which your subnet will reside, or let Amazon choose one for you.  
No preference

**IPv4 CIDR block** [Info](#)  
10.100.1.0/24

**Tags - optional**

Key	Value - optional	
Name	namratha-private-subnet	Remove

Add new tag  
You can add 49 more tags.

Remove

Add new subnet

Cancel Create subnet

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### Step-3: create internet gateway and attach to VPC

aws login console - Search x Create internet gateway | VPC M x +

https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateInternetGateway:

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### Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

**Internet gateway settings**

**Name tag**  
Creates a tag with a key of 'Name' and a value that you specify.  
namratha-GW

**Tags - optional**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional	
Name	namratha-GW	Remove

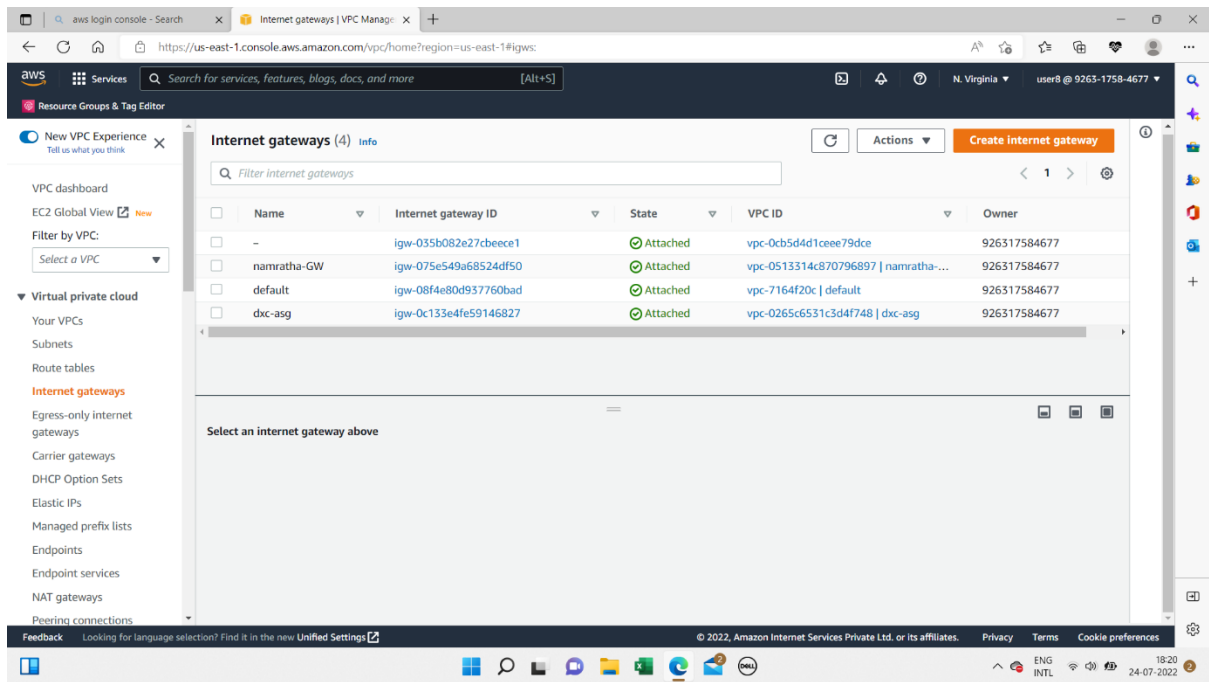
Add new tag  
You can add 49 more tags.

Cancel Create internet gateway

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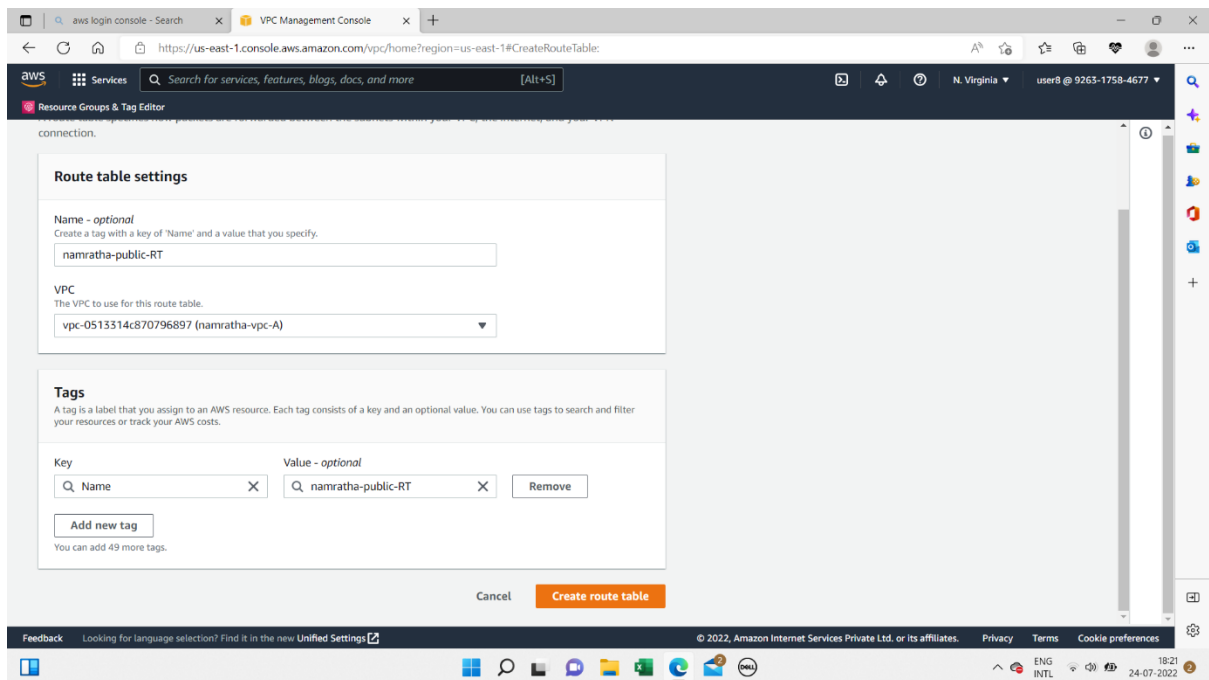
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**Create Routetables for public and private and edit the routes and select the gateway to the routes.**

**Give the destination IP as 0.0.0.0/0 and give the subnet association for public and private subnets.**



aws login console - Search

VPC Management Console

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https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateRouteTable

aws

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Resource Groups & Tag Editor

connection.

Route table settings

Name - optional

Create a tag with a key of 'Name' and a value that you specify.

namratha-private-RT

VPC

The VPC to use for this route table.

vpc-0513314c870796897 (namratha-vpc-A)

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value - optional

Name X

namratha-private-RT X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create route table

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VPC Management Console

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https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-036d9e748c9c1f13d

aws

Services

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Resource Groups & Tag Editor

VPC > Route tables > rtb-036d9e748c9c1f13d > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.100.0.0/16	local	Active	No
0.0.0.0/0	igw-075e549a68524df50	-	No

Add route

Remove

Cancel

Preview

Save changes

Feedback

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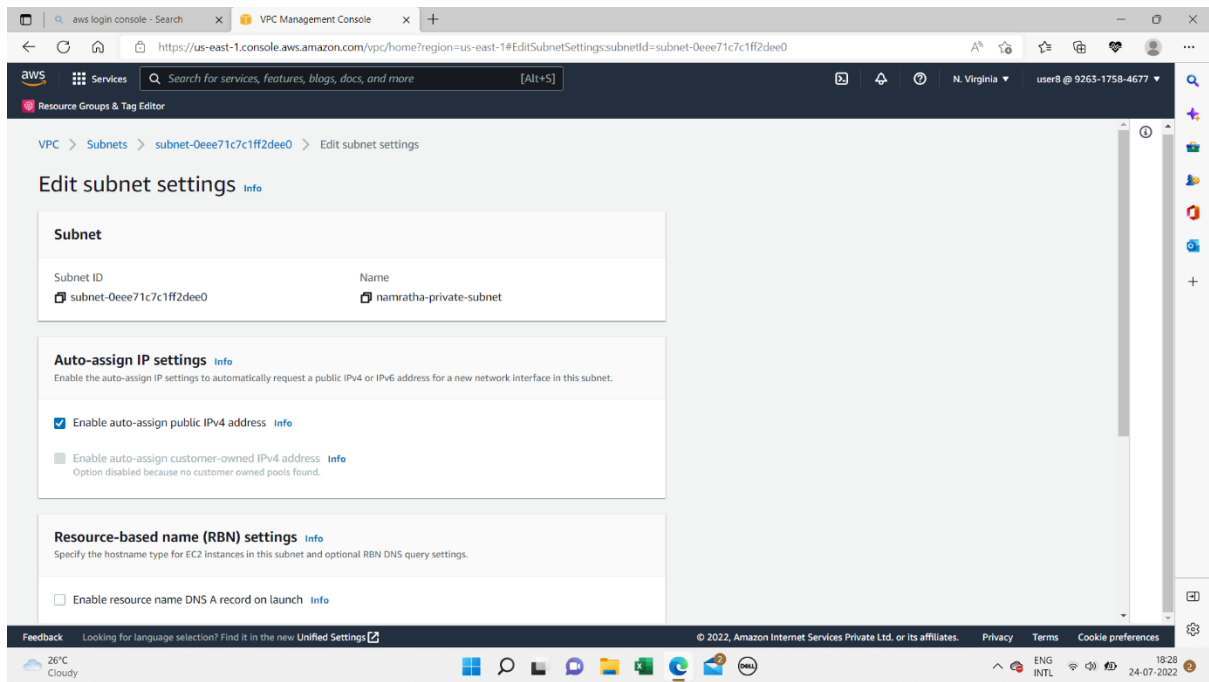
Terms

Cookie preferences

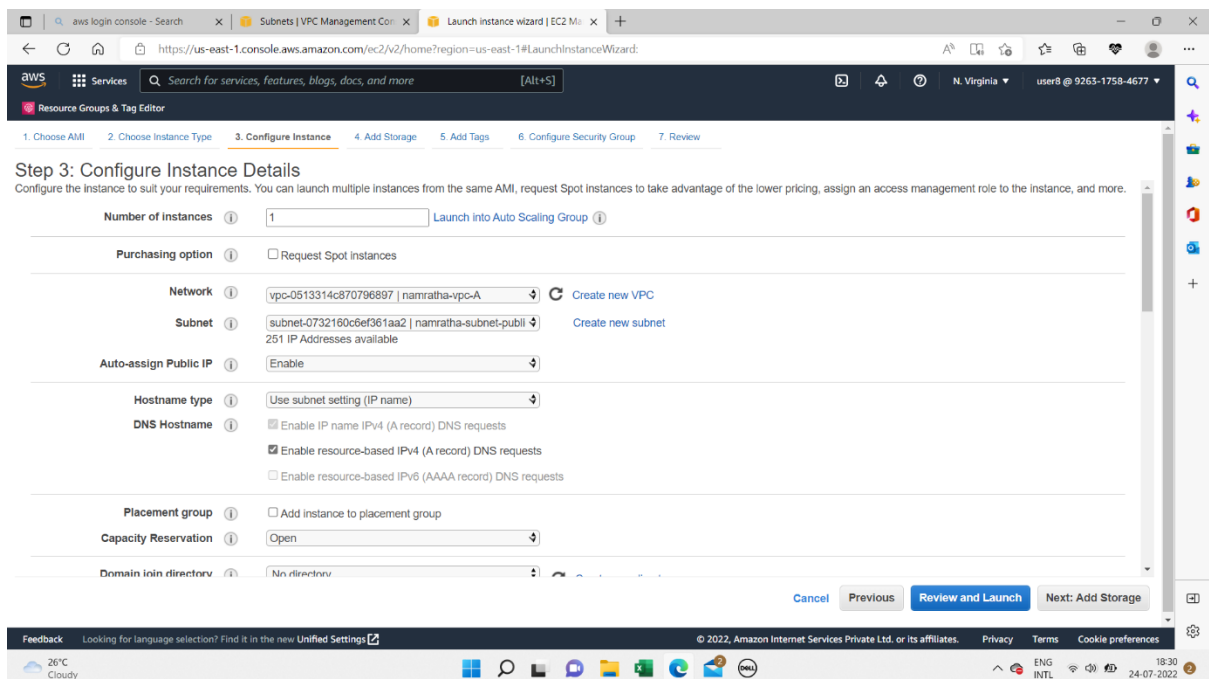
26°C Cloudy

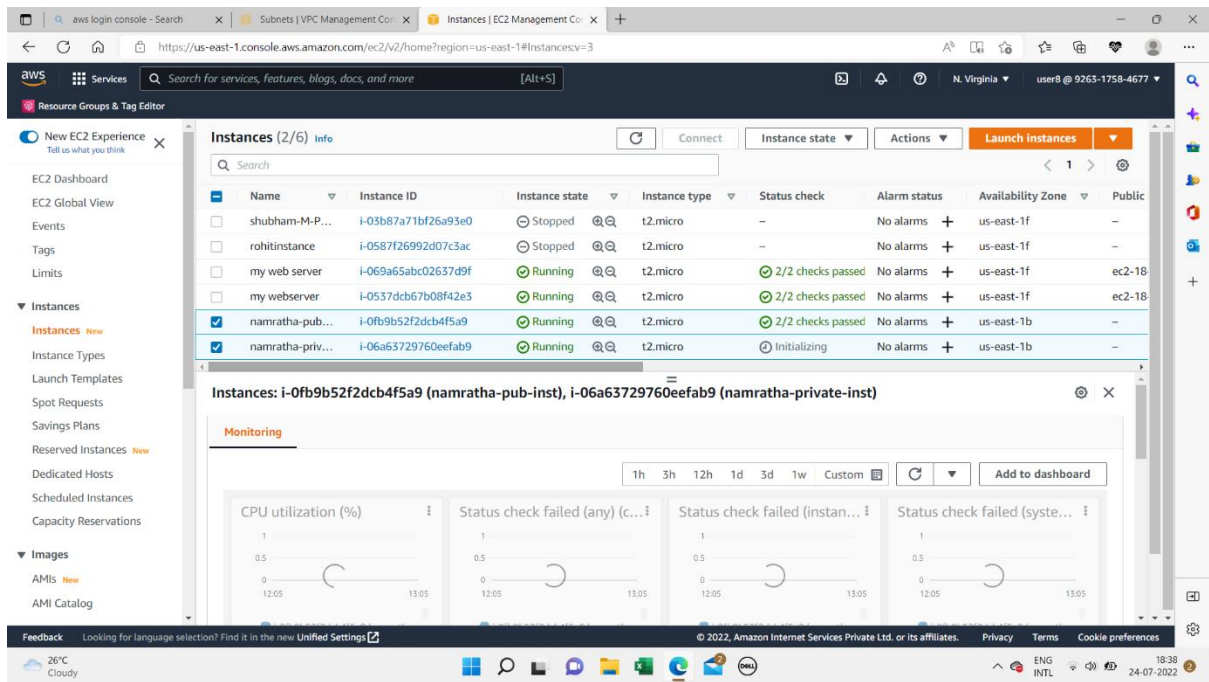
18:23

24-07-2022

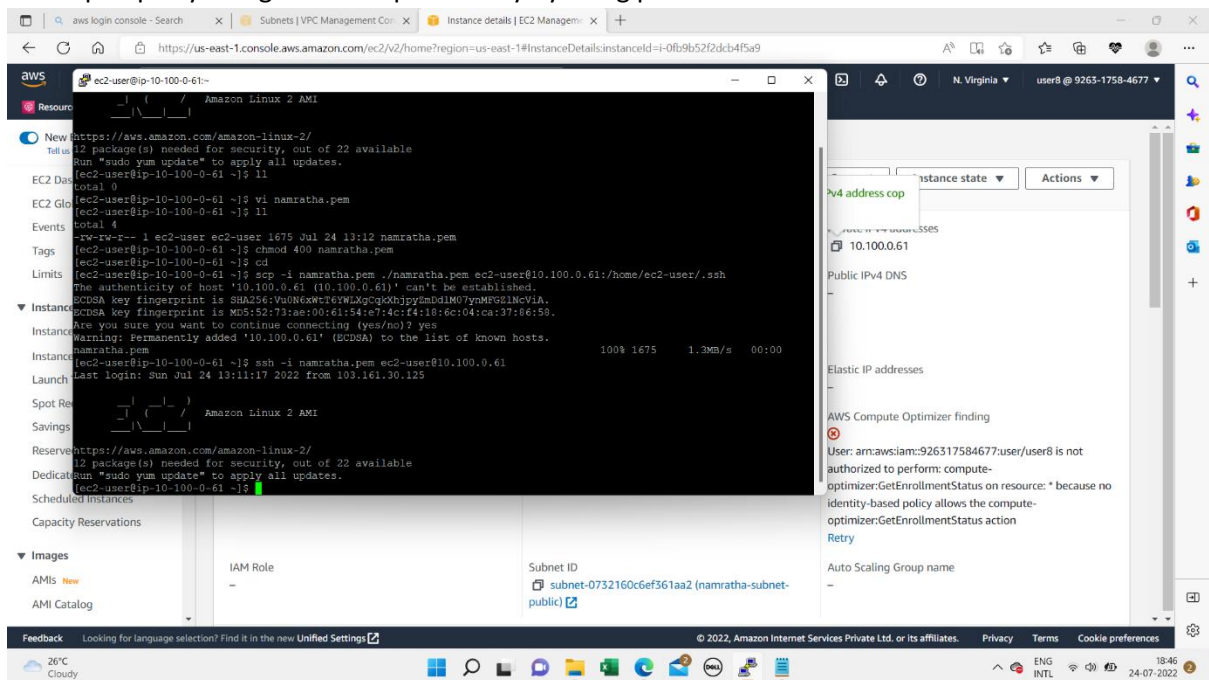


Create one instance for public and configure instance details ,add VPC in network and public subnet in the subnet .create another instance for private and follow the same process.create these instances with a key pair.

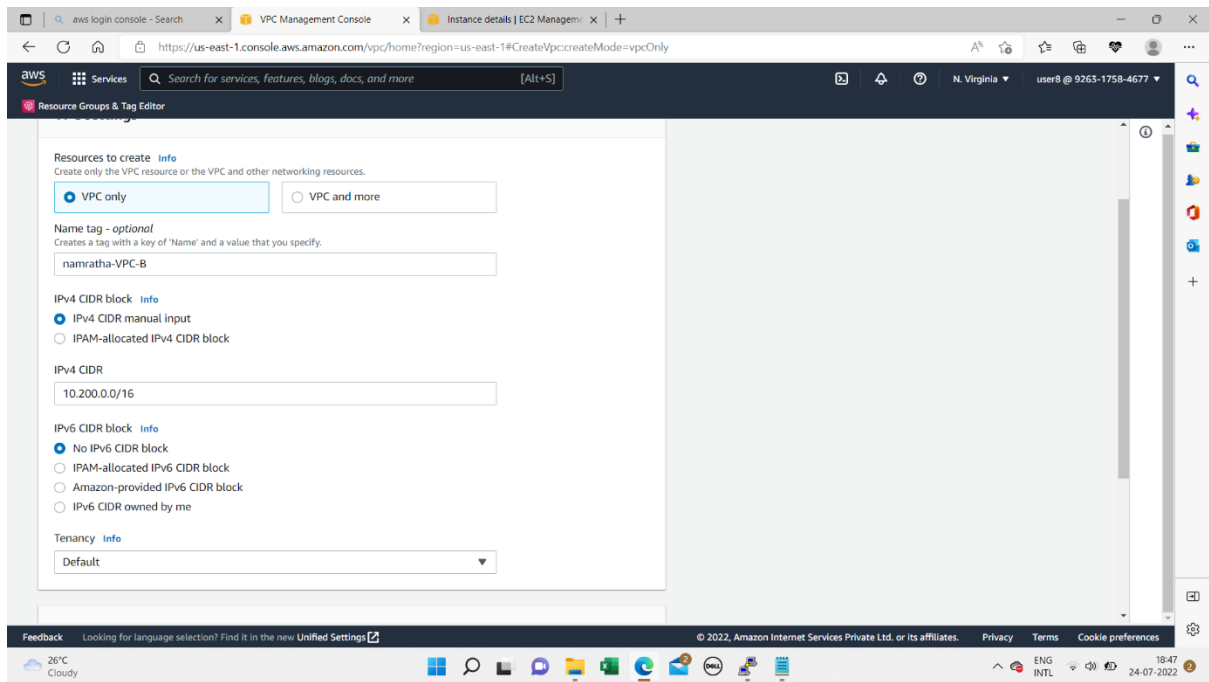




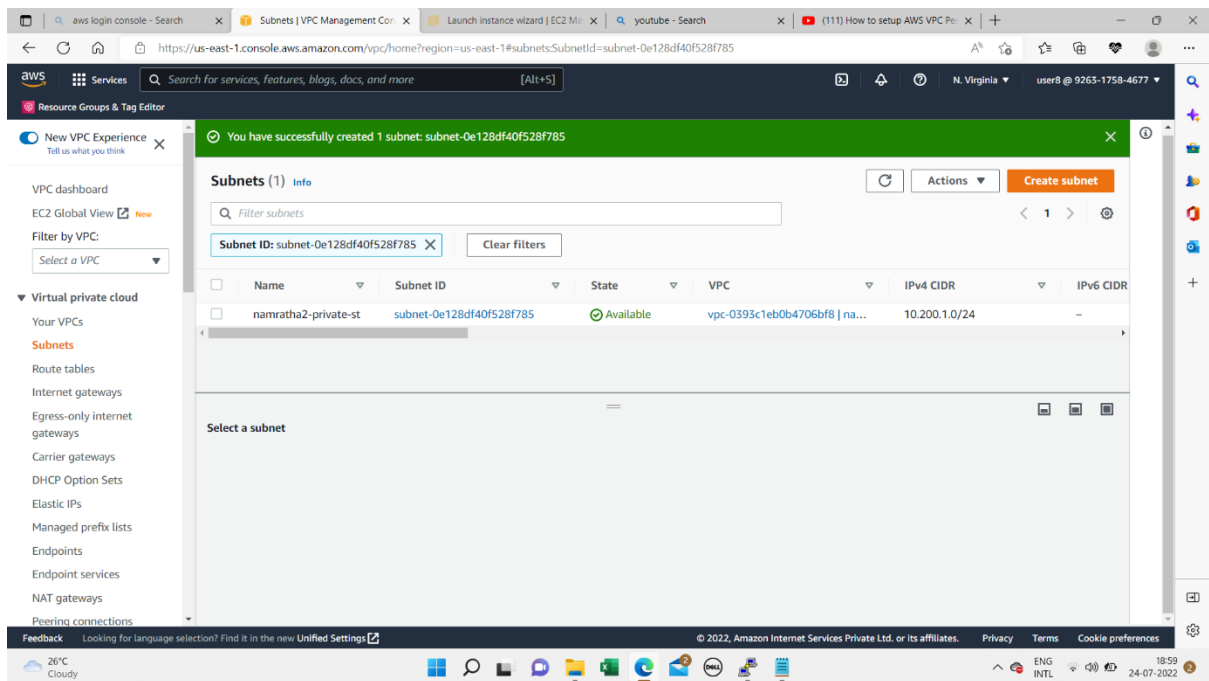
Now open putty and generate a private key by using pem file.



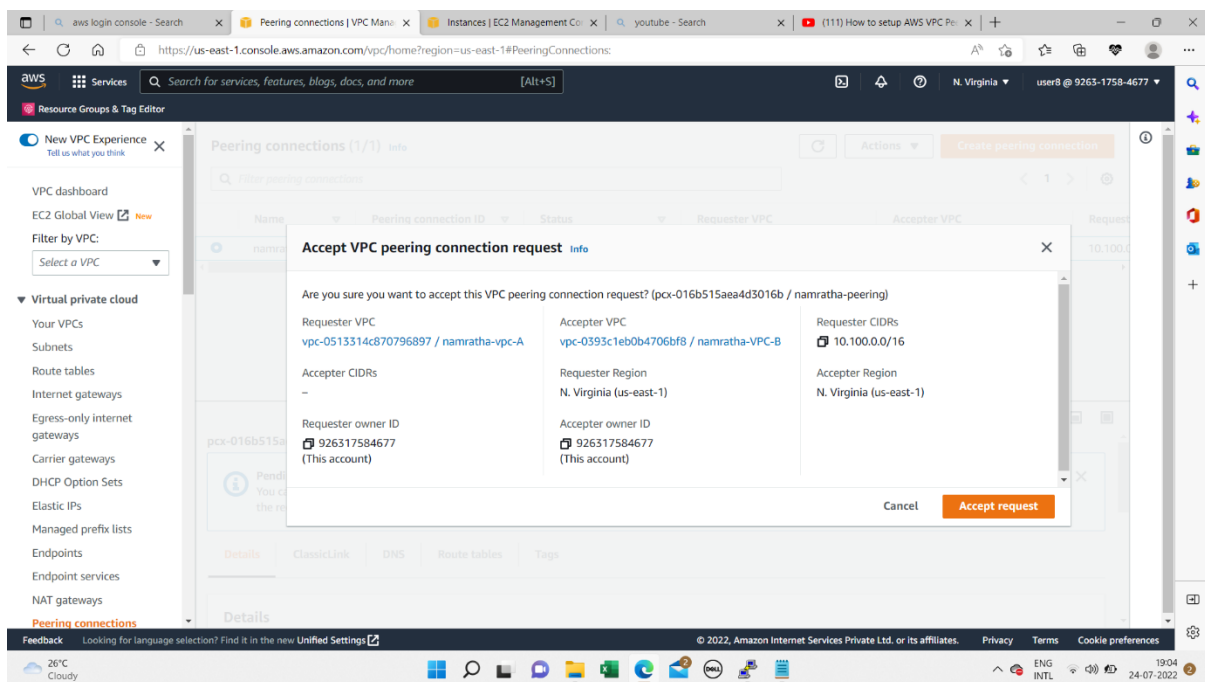
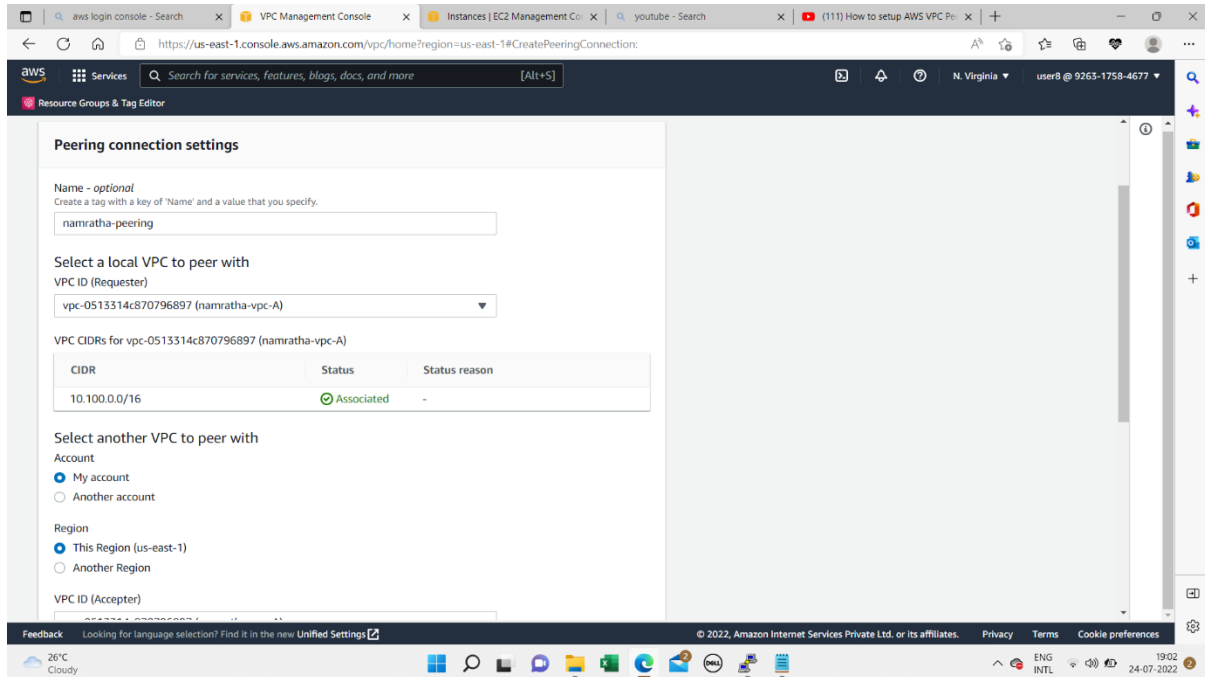
Create another vpc with CIDR 10.200.0.0/16



Create one private subnet.

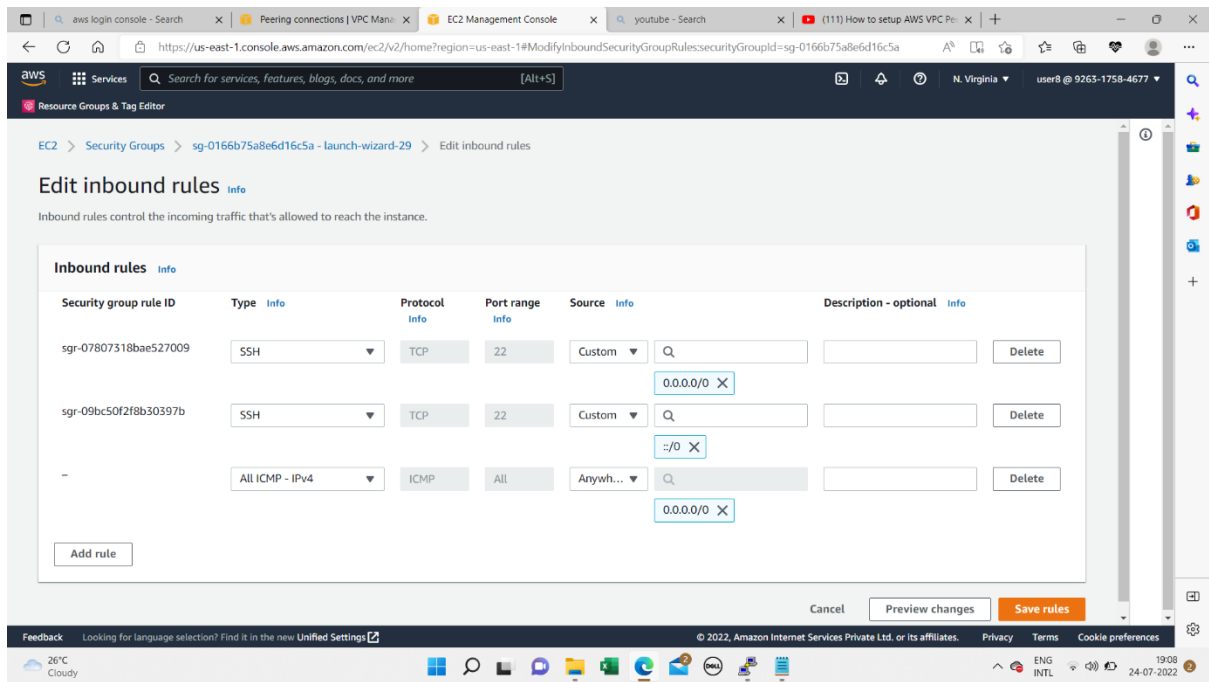


Create a peering connection and accept the request.



Now create the private instance and edit the inbound rules and add ICMP IPV4





Now restart the putty and type the commands as follows

