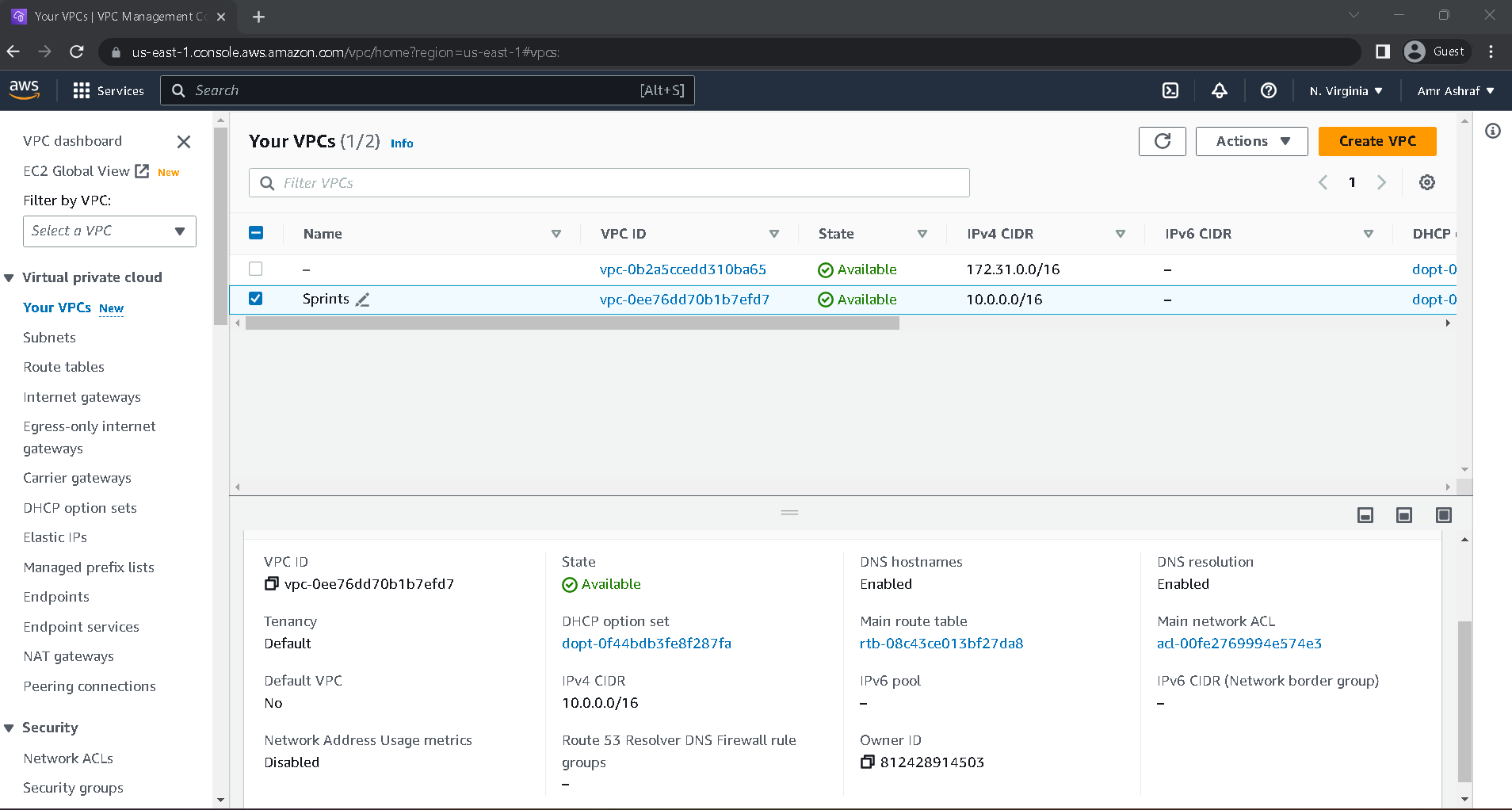
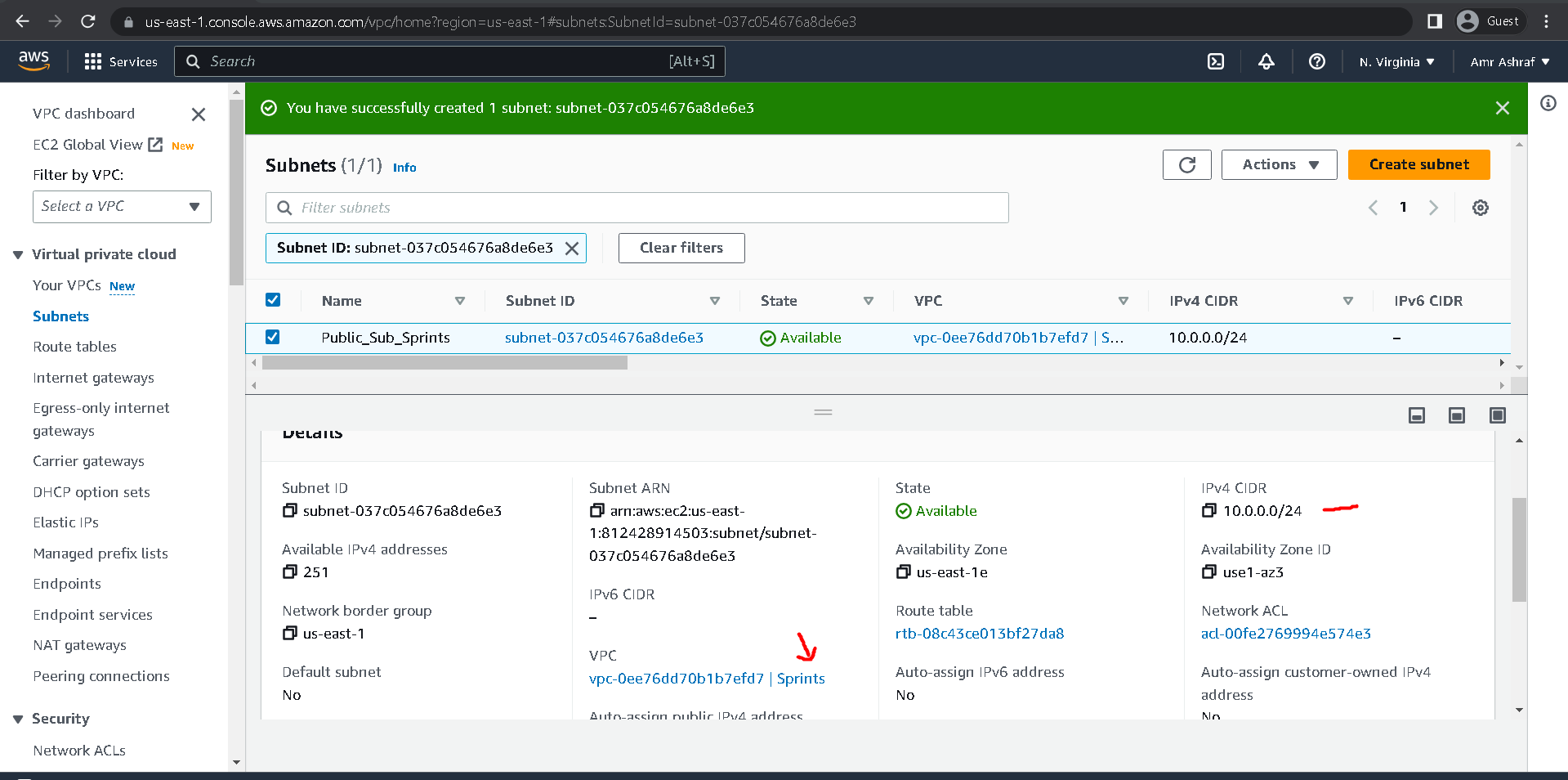
**Aws Task Lab 3**

**The Solutions:**

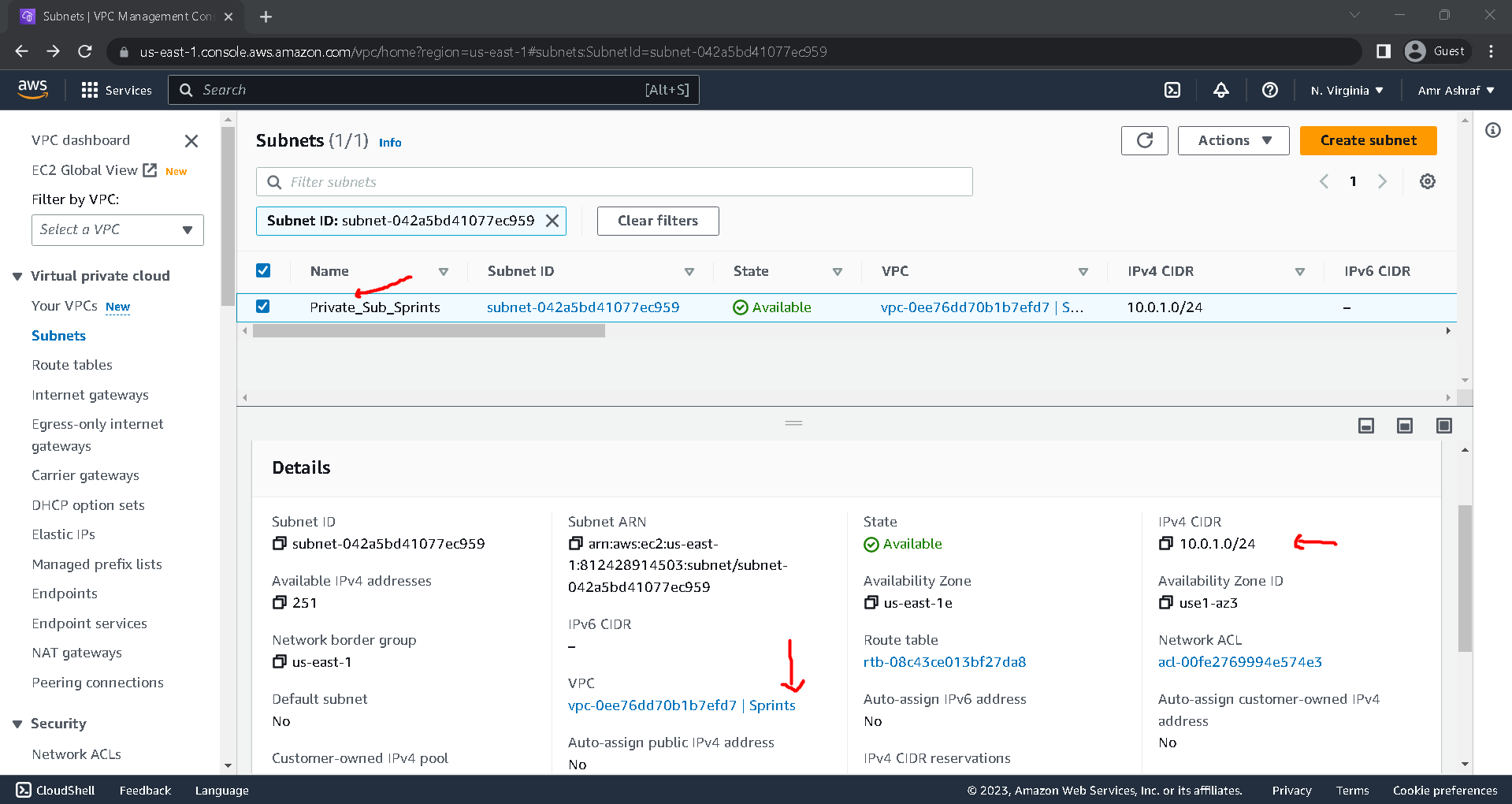
1 - Click on Create VPC and enter Sprints as the name and 10.0.0.0/16 as the CIDR block then click create vpc.



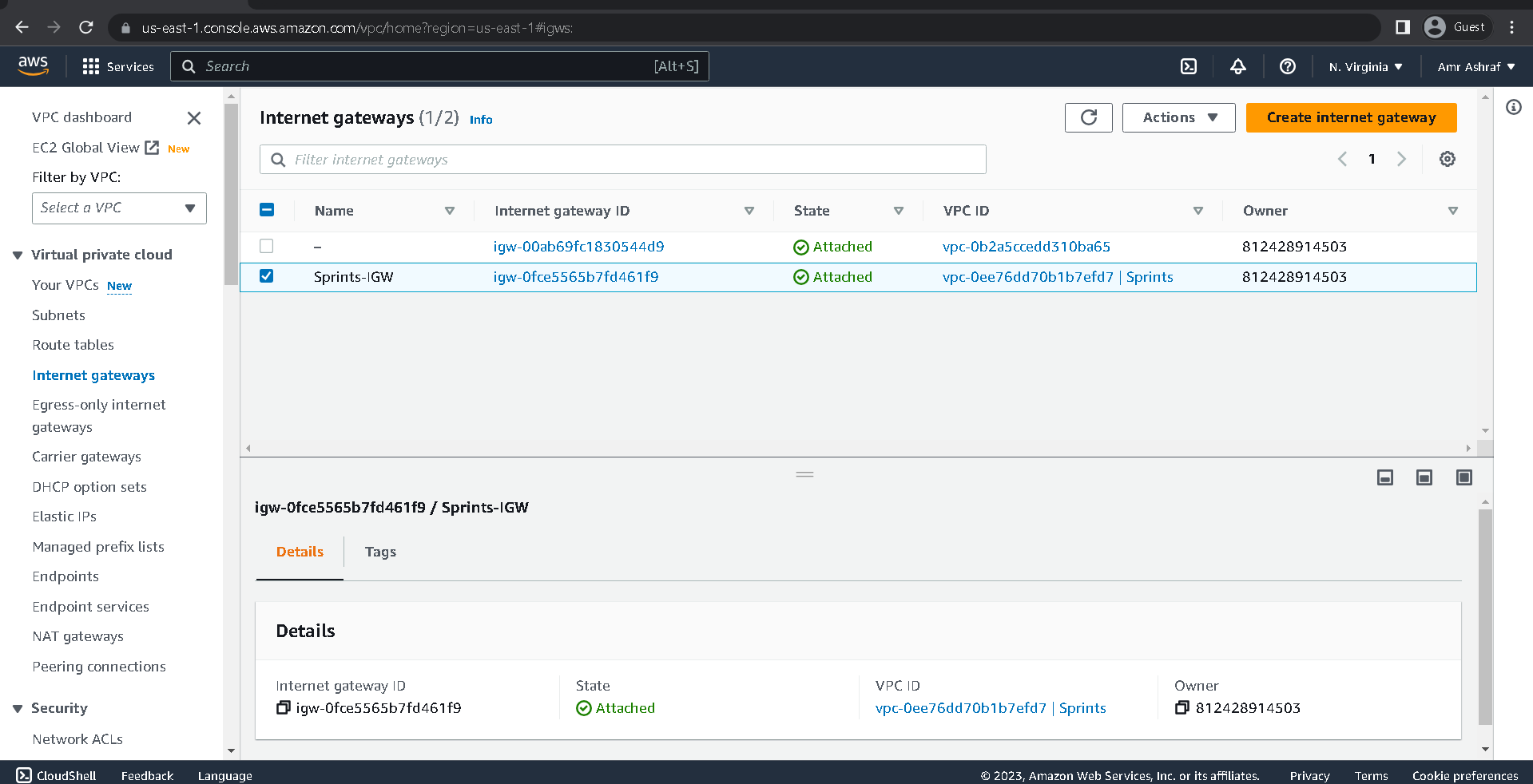
2 - Click on "Create Subnet" and enter "Public\_Sub\_Sprints" as the name, "10.0.0.0/24" as the CIDR block, and select the sprints VPC.



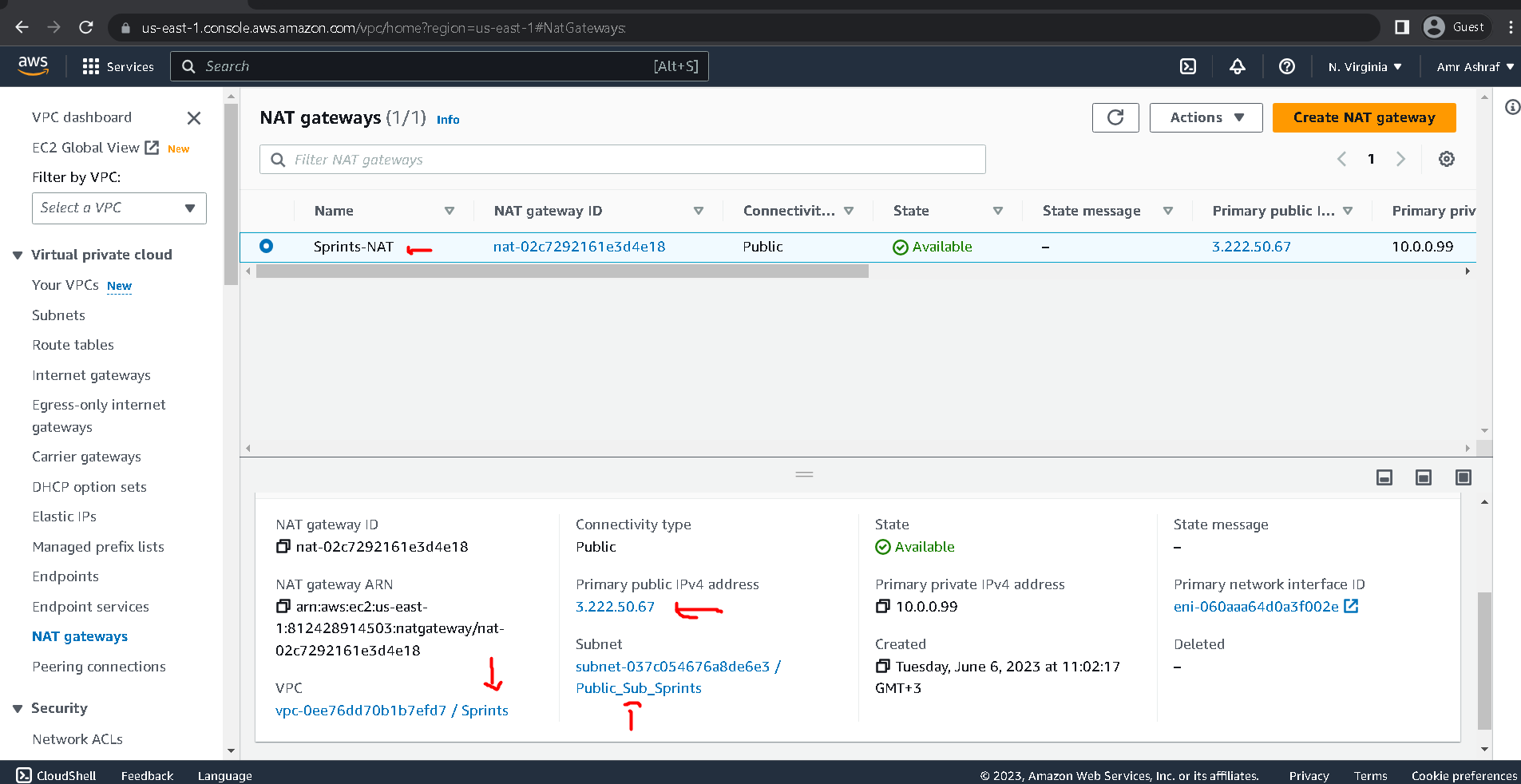
3 - Click on "Create Subnet" and enter "Private\_Sub\_Sprints" as the name, "10.0.1.0/24" as the CIDR block, and select the sprints VPC.



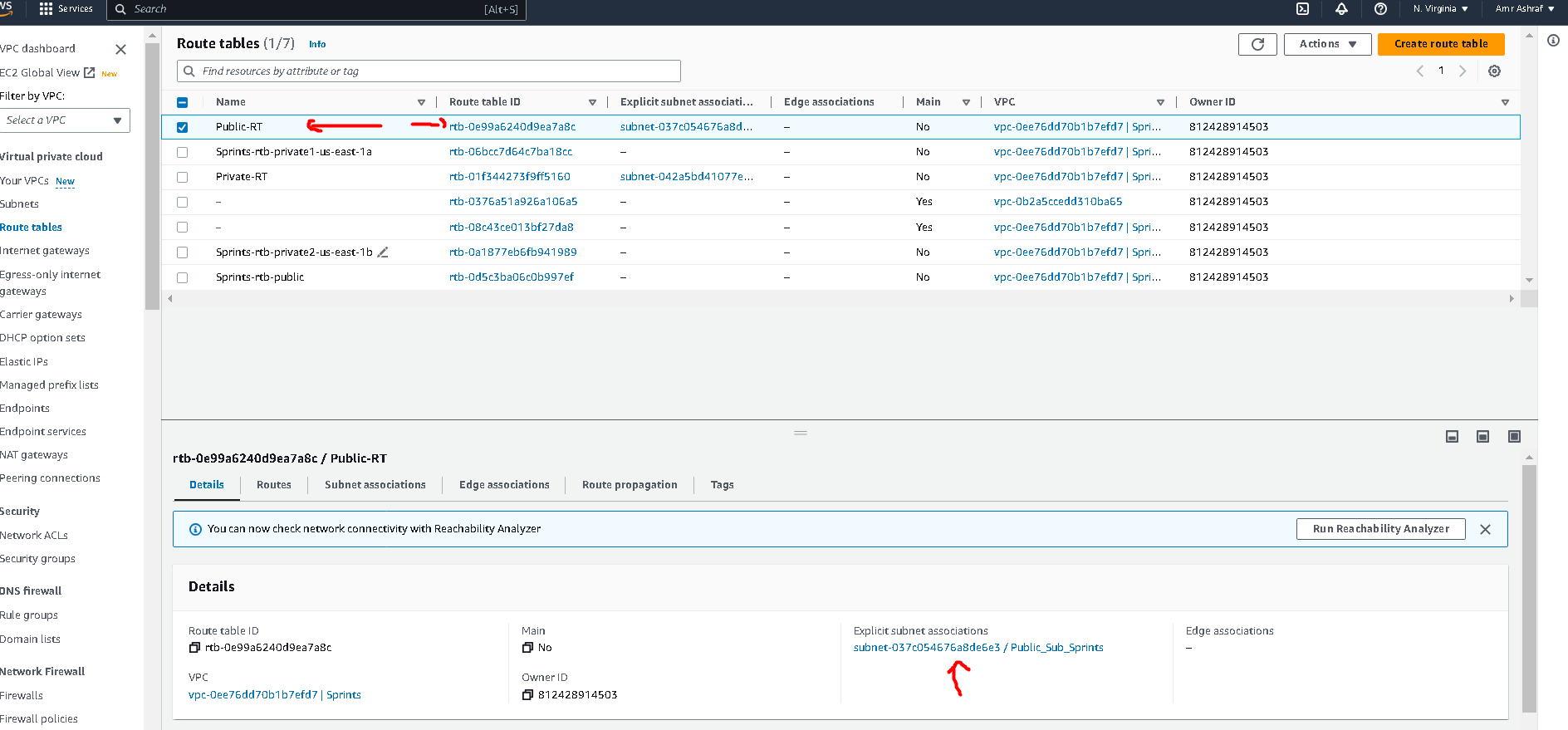
4 - Create Internet Gateway Then Put "Sprints-IGW" as the name and click on "Create" Then Click On Action And select "Attach to VPC". Choose Sprints click on "Attach".



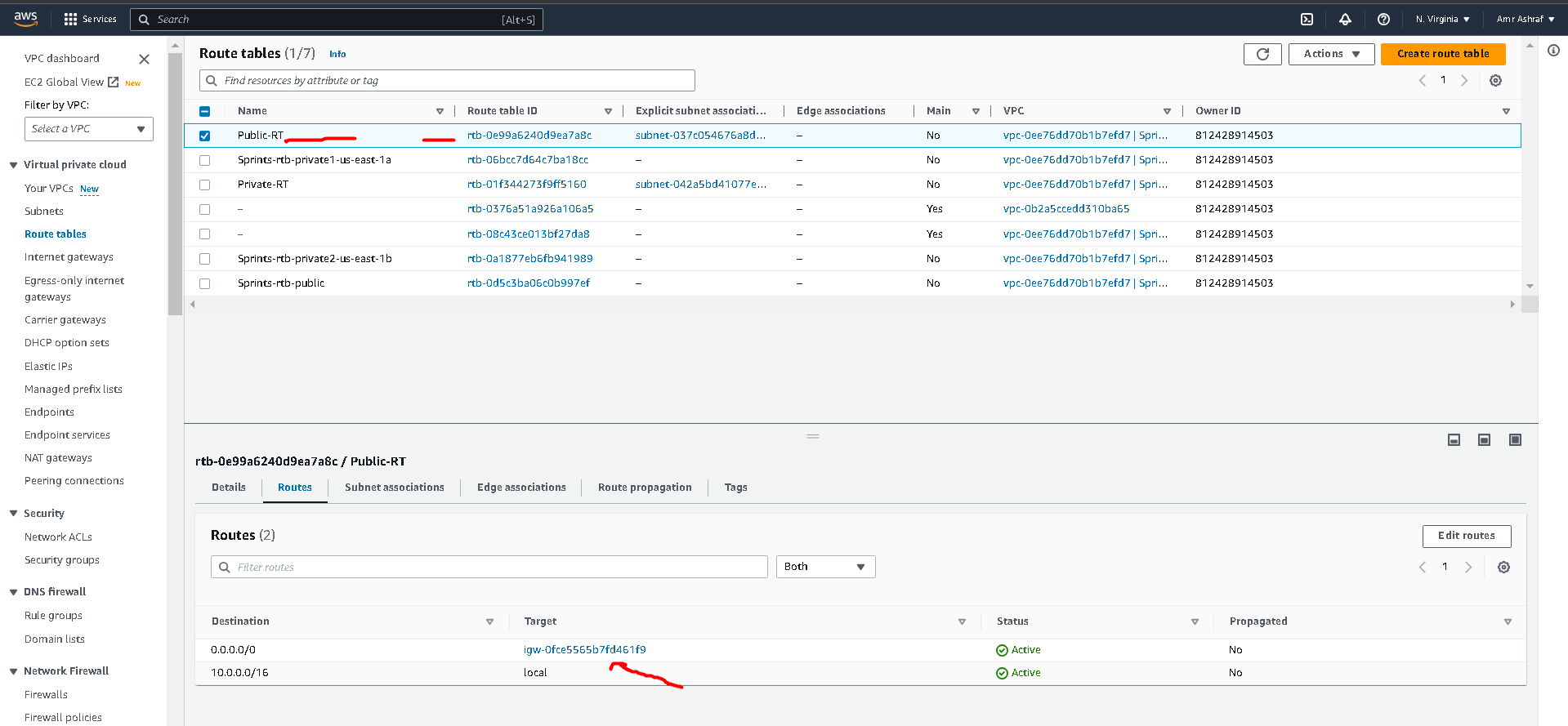
5 - Create NAT Gateway And Put “Sprints-NAT “ as the name Then Choose Sprints-IGW as the gateway, select Public\_Sub\_Sprints as the subnet, and choose Allocate Elastic IP address Then Create Nat Gateway



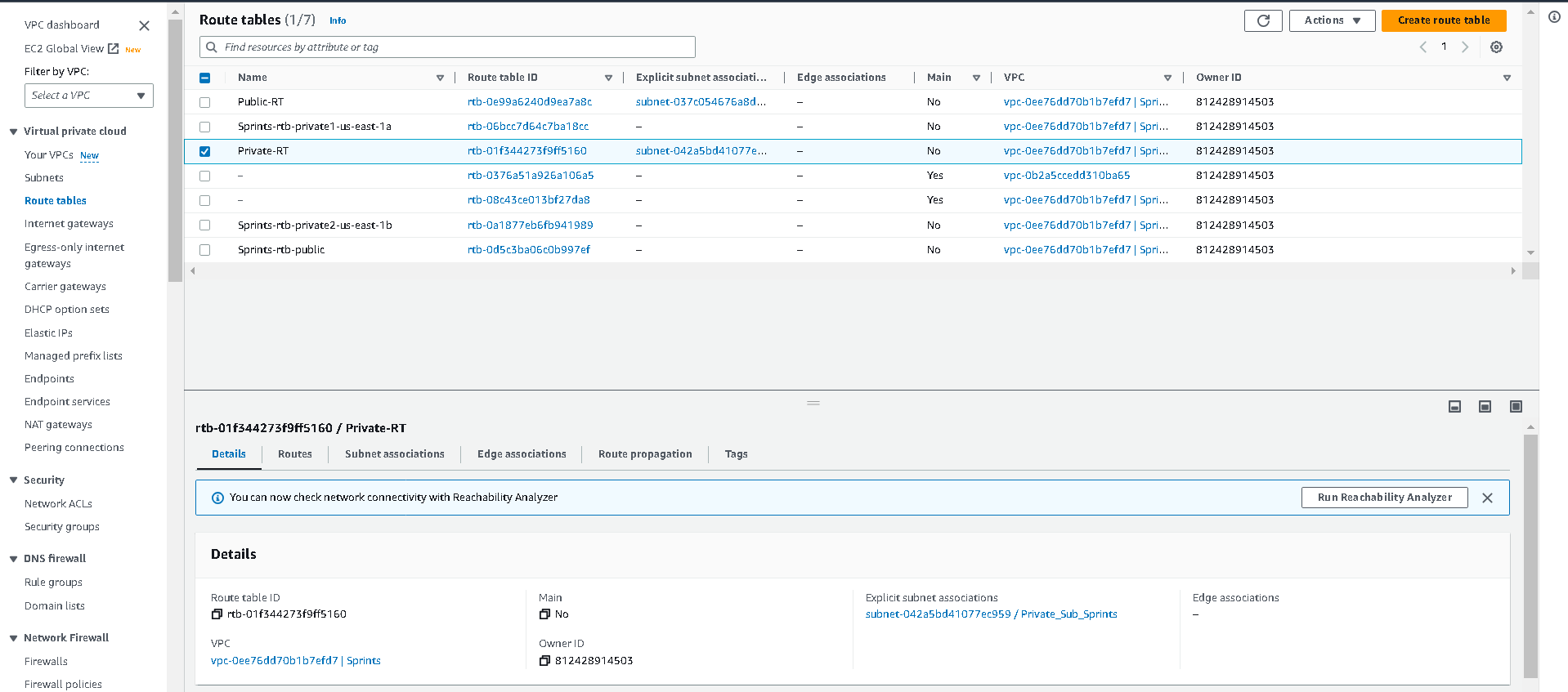
6 - Create Route Table And Put "Public-RT" as the name, select Sprints VPC, and click on Create.



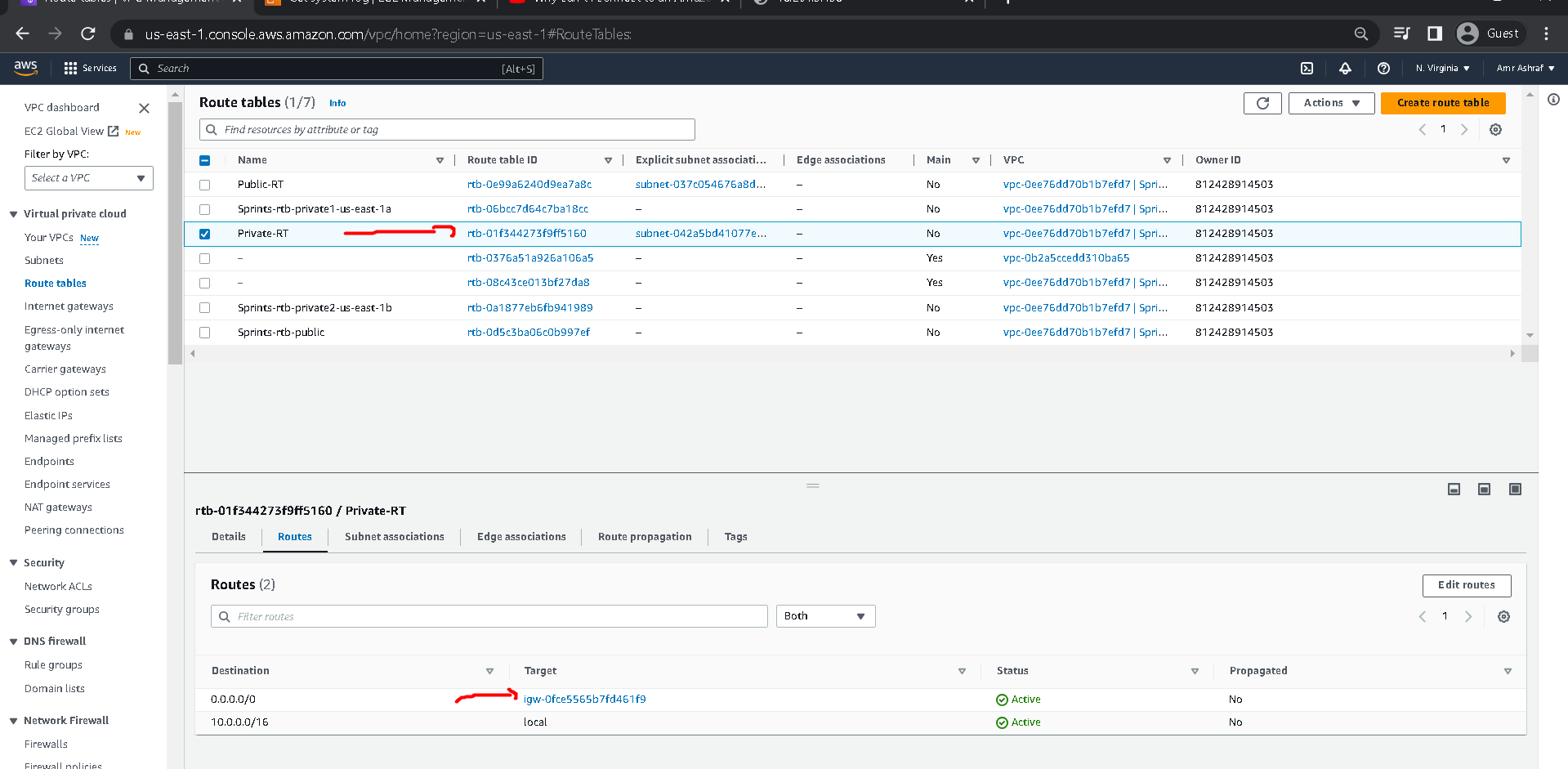
7 - Select Public-RT from the list of route tables, click on Edit routes, add a new route with destination 0.0.0.0./0, target Sprints-NAT gateway, save changes.



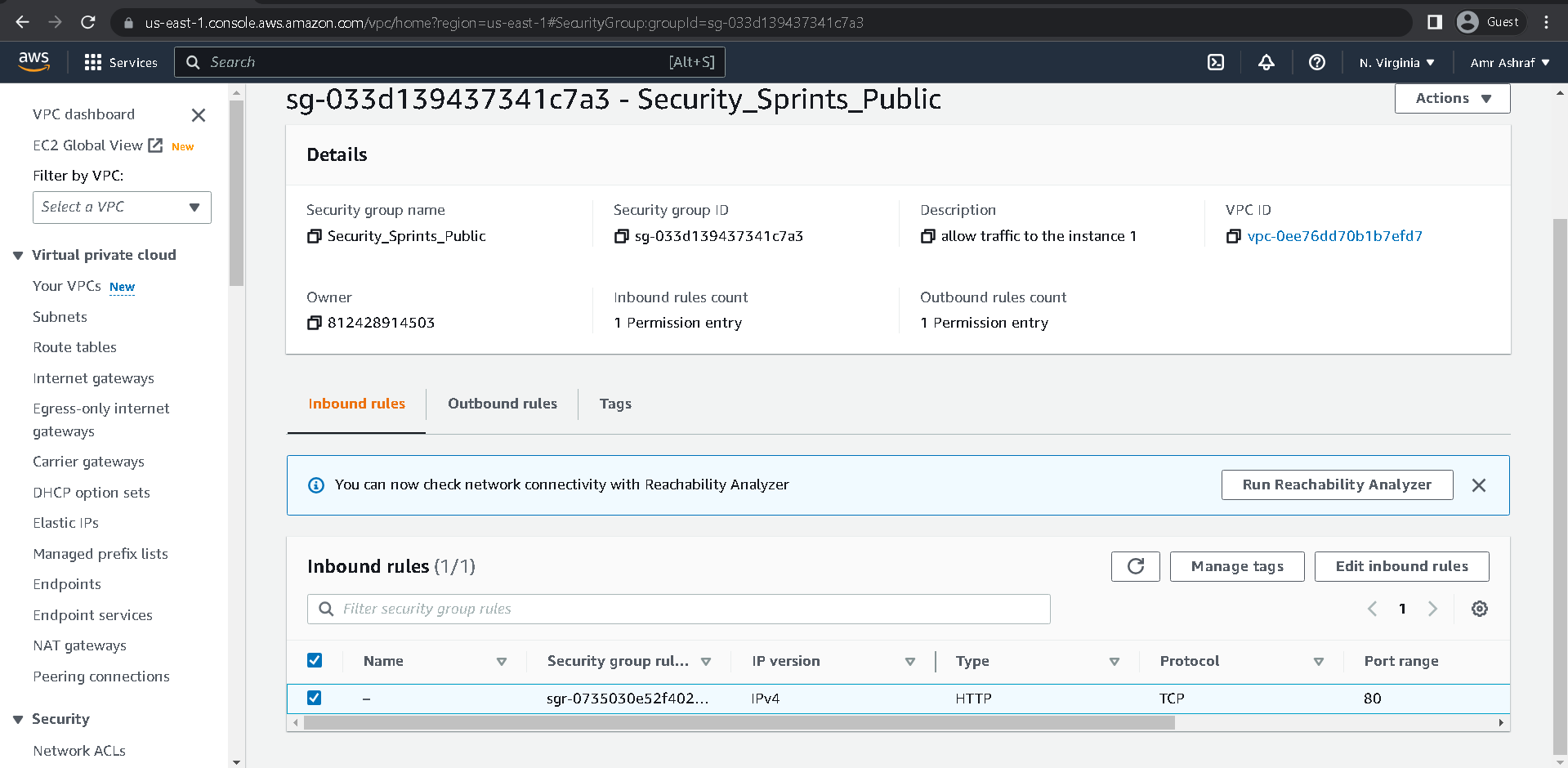
8 - Create Route Table And Put "Private-RT" as the name, select Sprints VPC, and click on Create



9 - Select Private-RT from the list of route tables, click on Edit routes, add a new route with destination 0.0.0.0./0, target Sprints-NAT gateway, save changes.

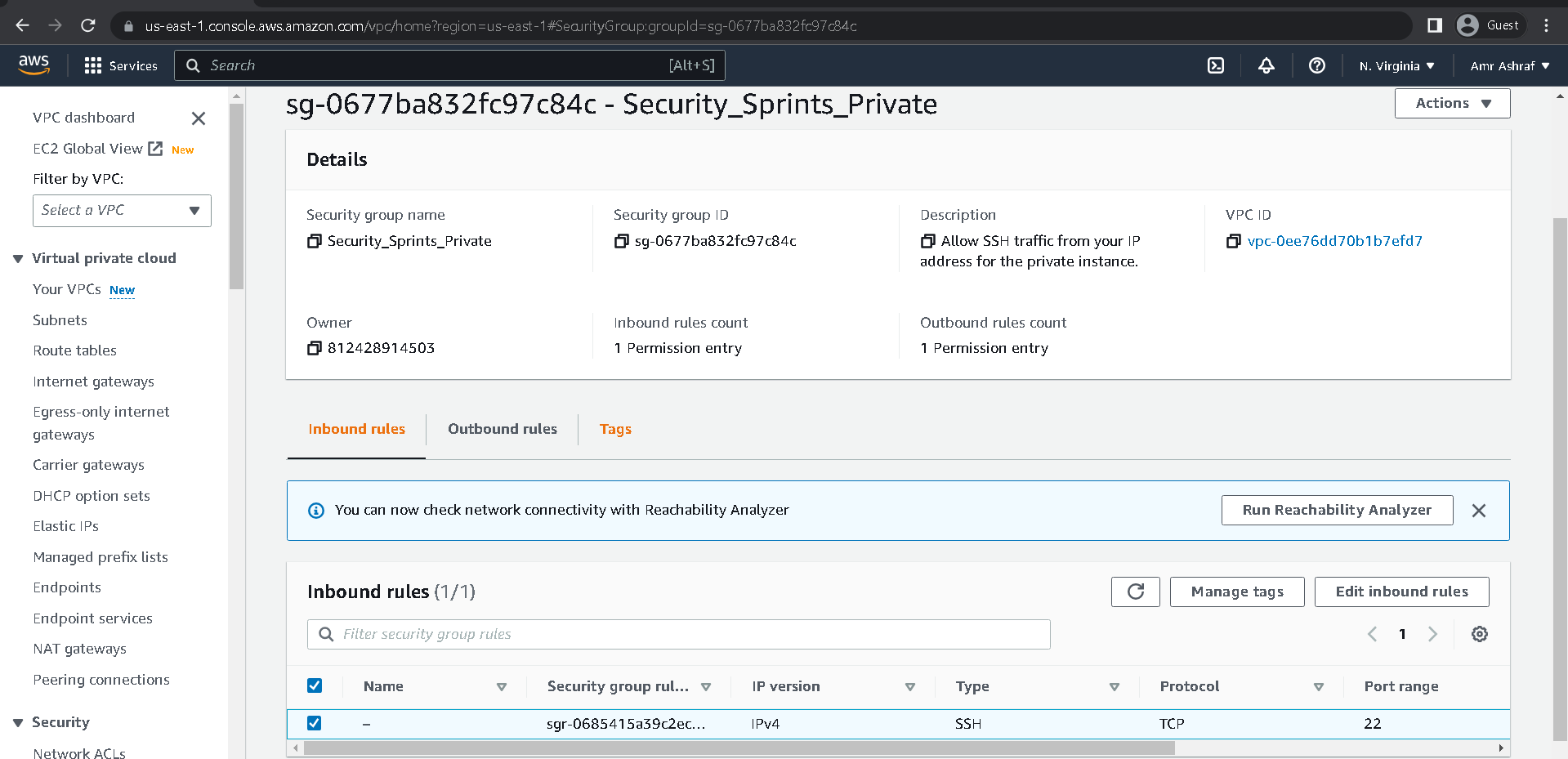


10 – Create 1 Security Group and Put “Security\_Sprints\_Public” as name and add inbound rules to allow traffic to the instances.  
 A - Allow HTTP traffic from anywhere (0.0.0.0/0) for the public instance [ Instance1\_Public ]



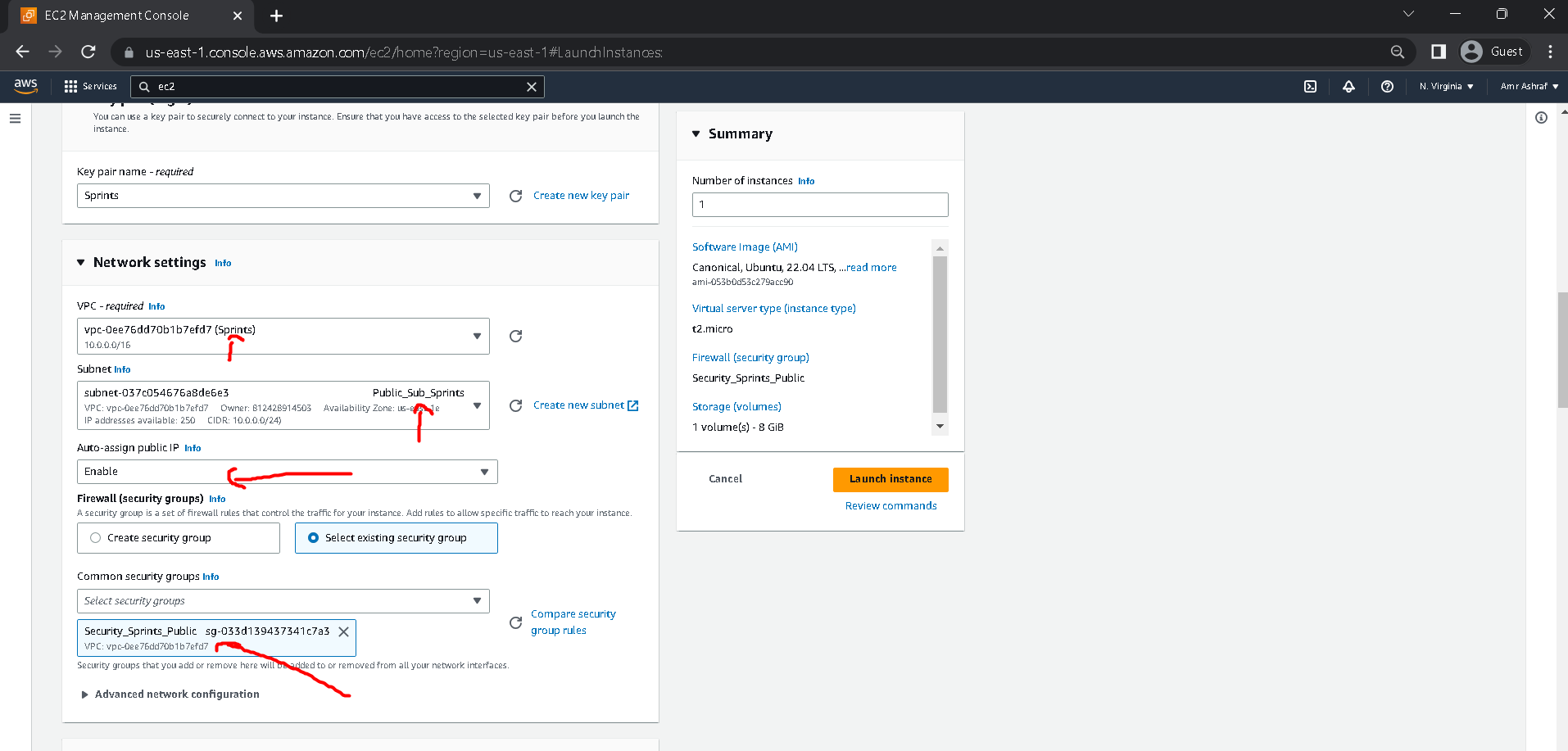
11 – Create 1 Security Group and Put “Security\_Sprints\_Private” as name and add inbound rules to allow traffic to the instances.

A - Allow SSH traffic from my IP address for the private instance. [ Instance1\_Public ]



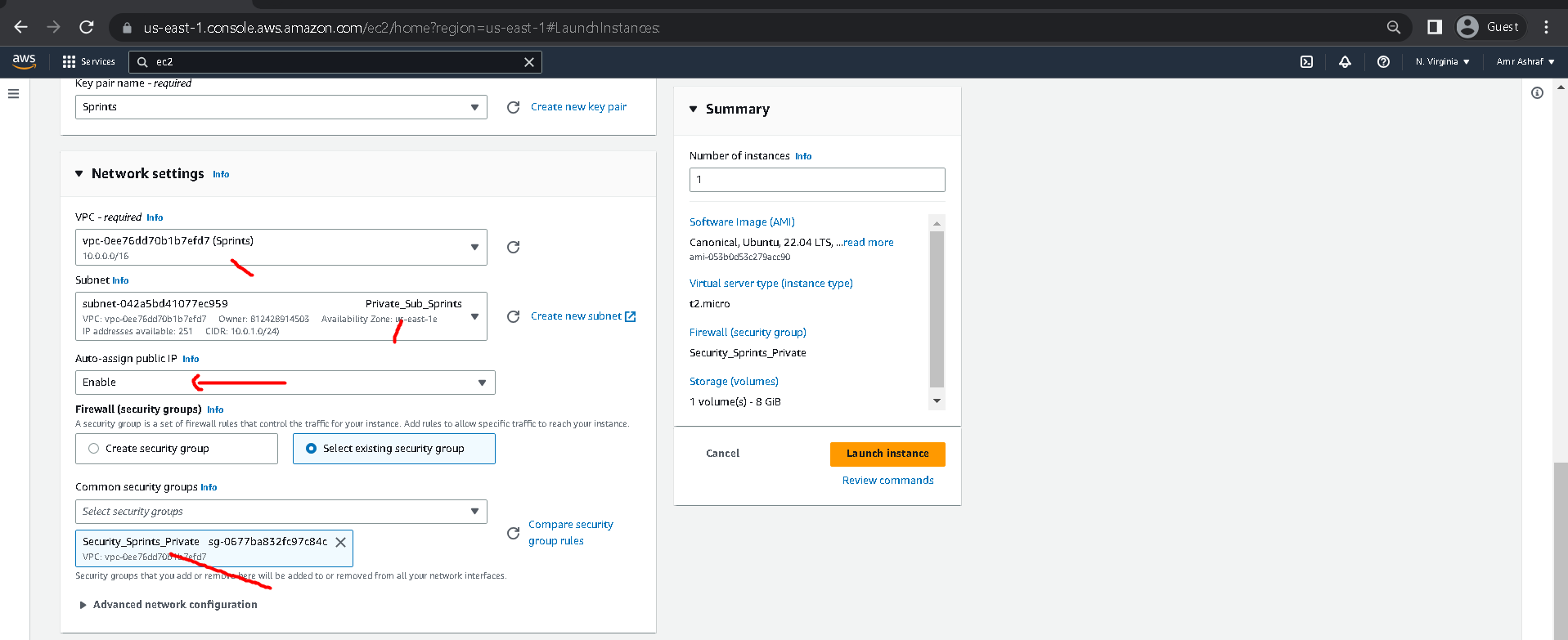
12 - Launch Instance And Put “Instance1\_Public” as name of instance and choose an Ubuntu as image.

A – Choose Sprints VPC B – Choose Public\_Sub\_Sprint C - Choose Security\_Sprints\_Public



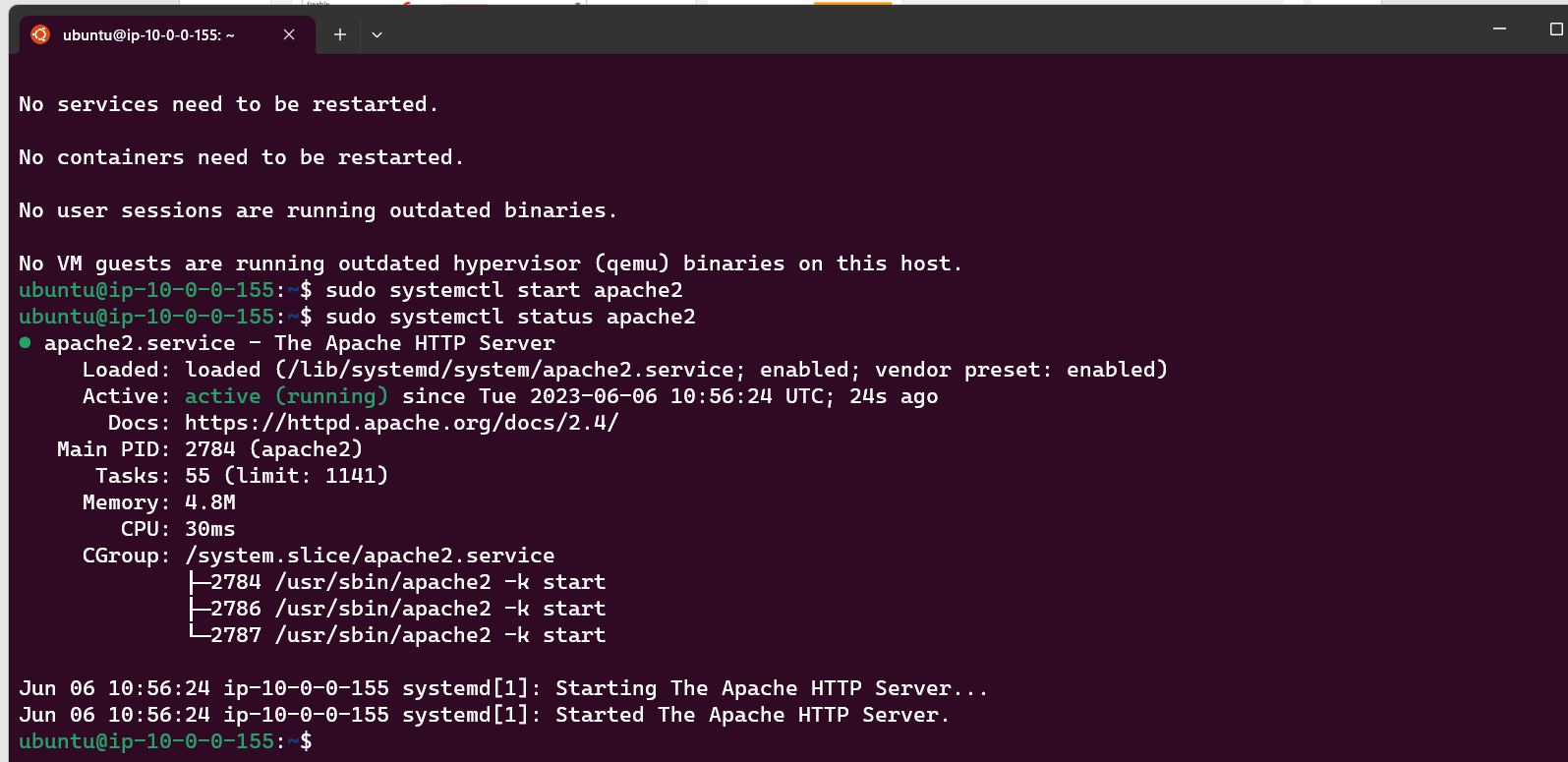
13 - Launch Instance And Put “Instance1\_Private” as name of instance and choose an Ubuntu as image.

A – Choose Sprints VPC B – Choose Private\_Sub\_Sprint C - Choose Security\_Sprints\_Private

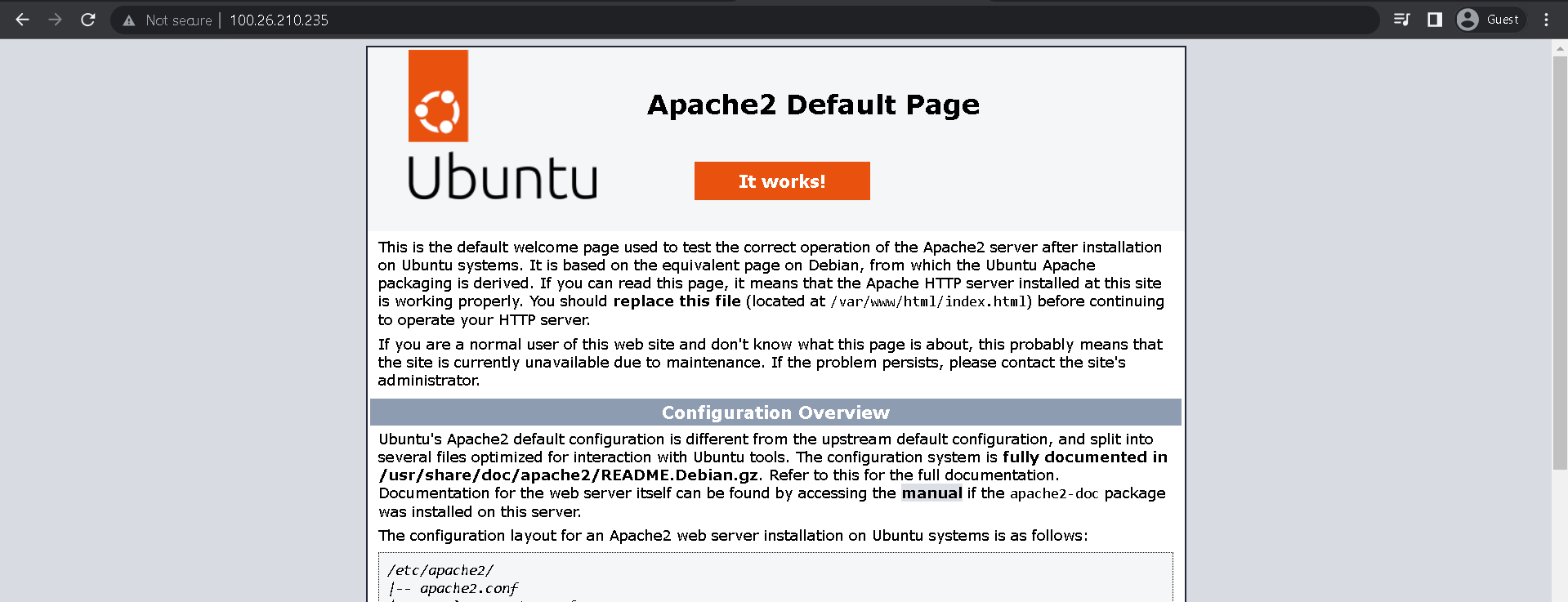


14 – Connect For First Instance [ Instance1\_Public ]

Commands : 1 – sudo apt-get update -y  
 2 – sudo apt-get install apache2 -y  
 3 – sudo systemctl start apache2  
 4 – sudo systemctl status apache2



Check The Page Results



14 – Connect For Second Instance [ Instance1\_Private ]

Commands : 1 – sudo apt-get update -y  
 2 – sudo apt-get install apache2 -y  
 3 – sudo systemctl start apache2  
 4 – sudo systemctl status apache2

