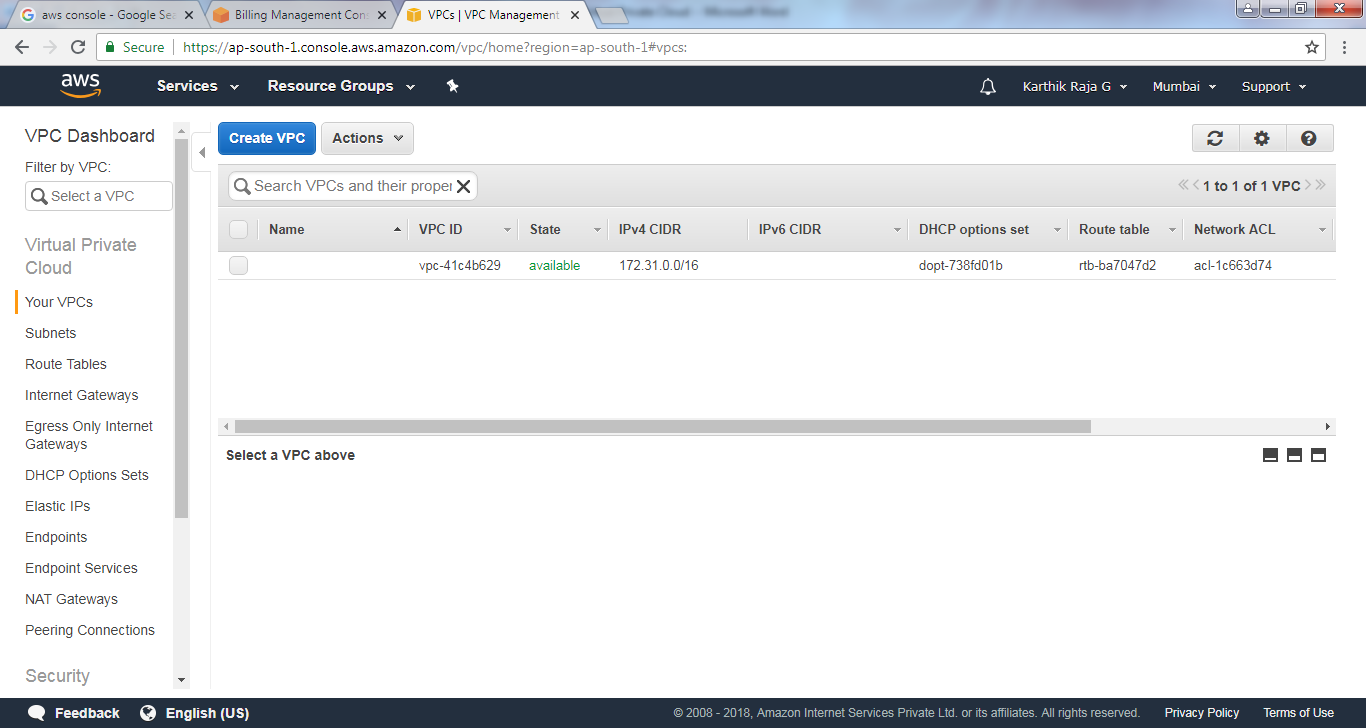
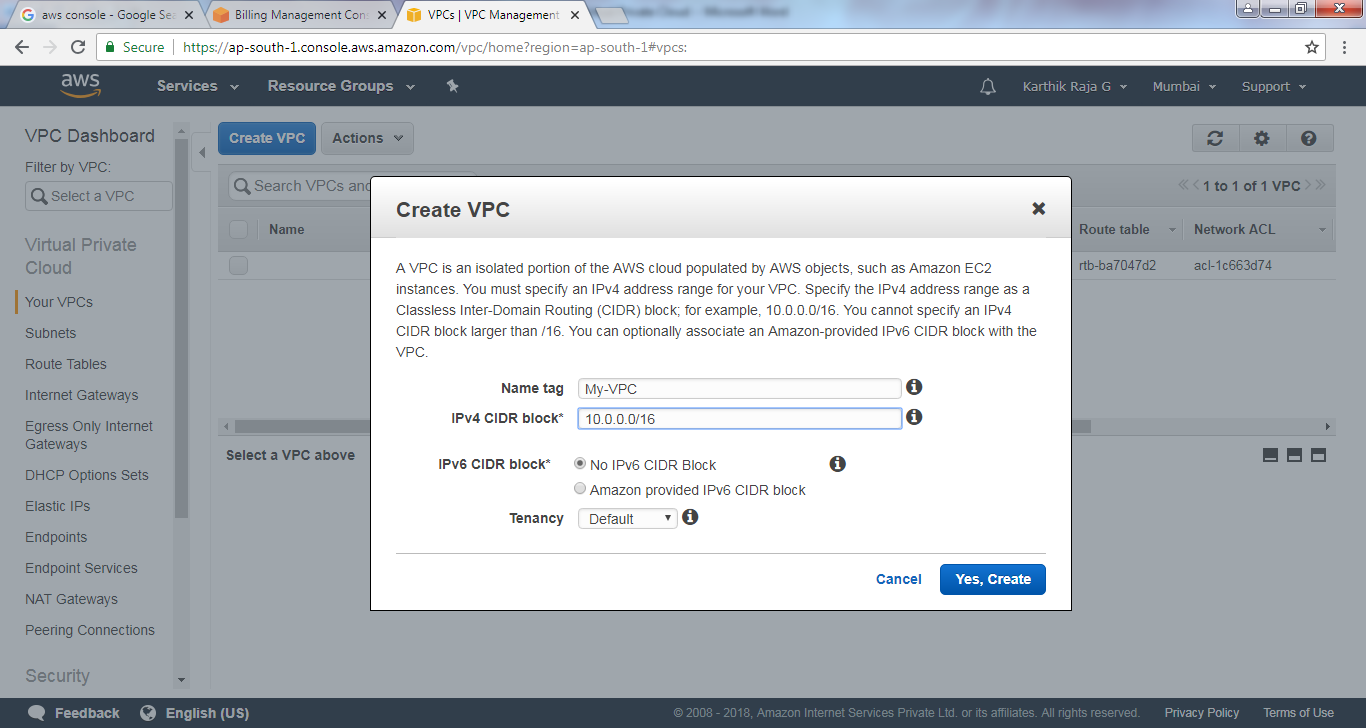
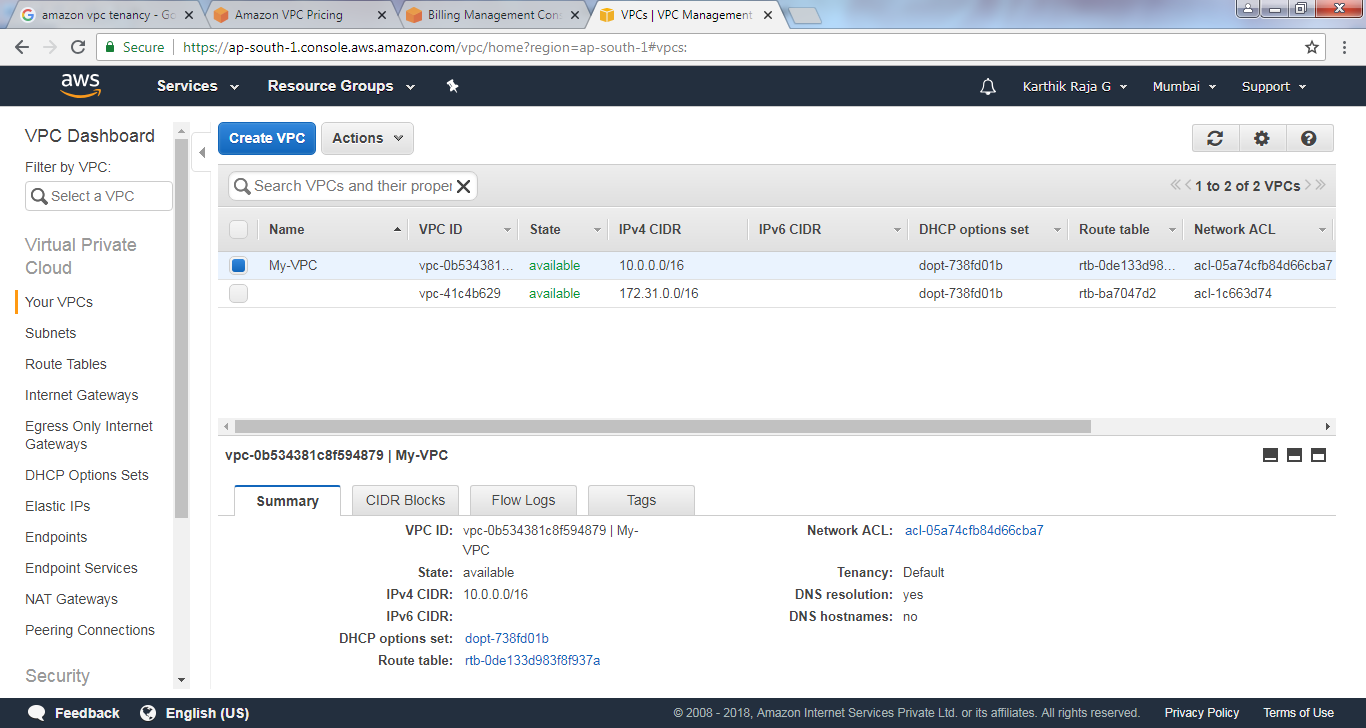
## Virtual Private Cloud

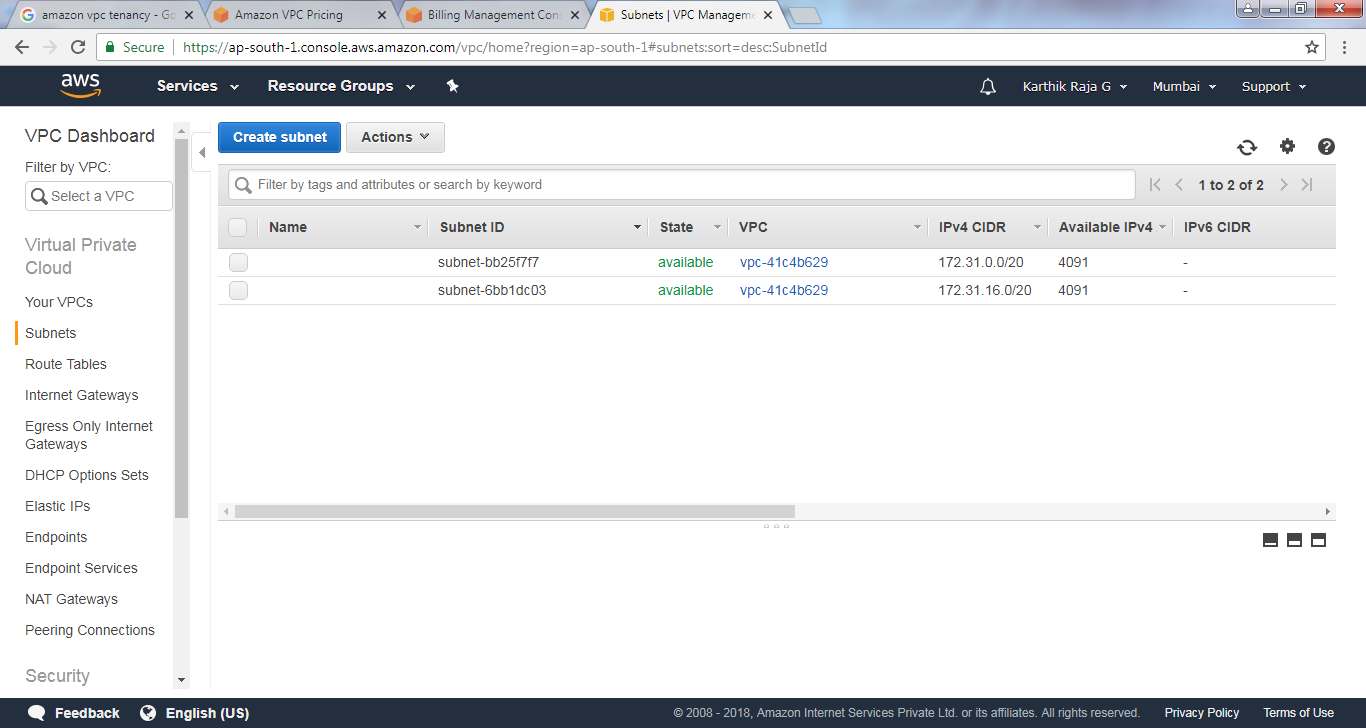


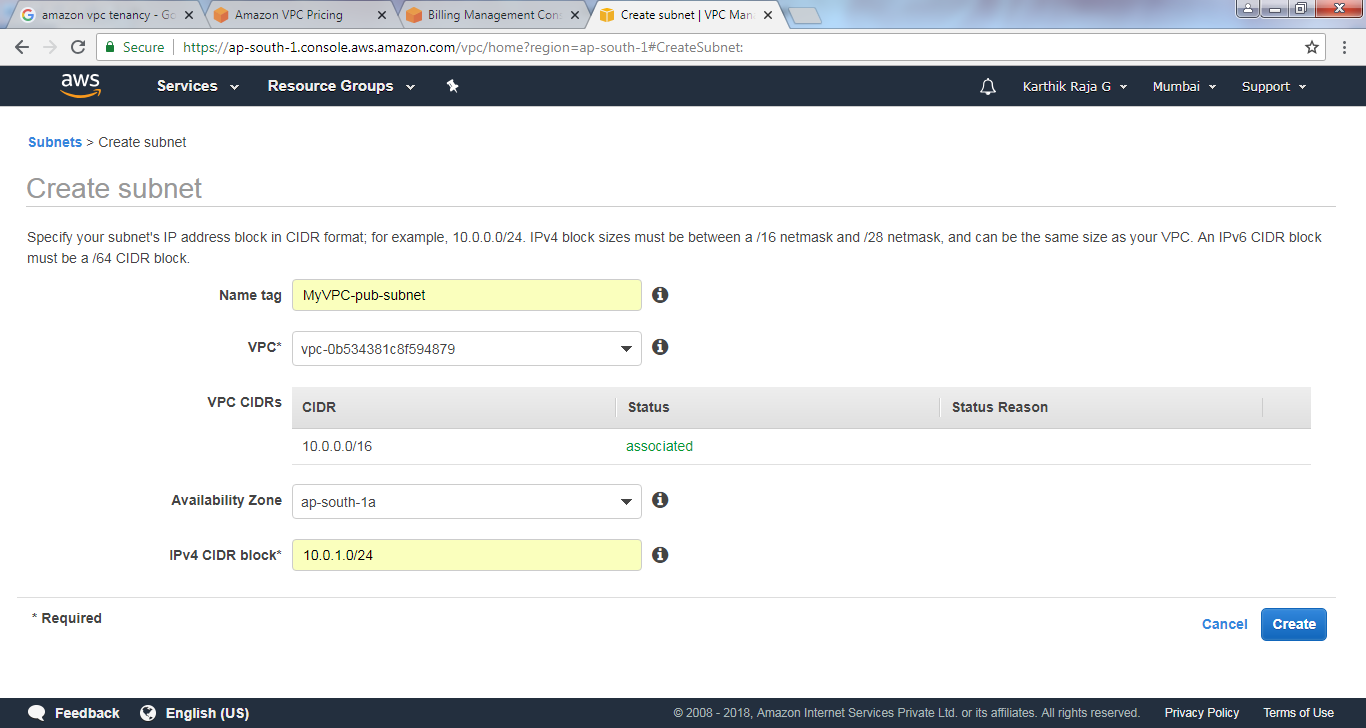
Create VPC

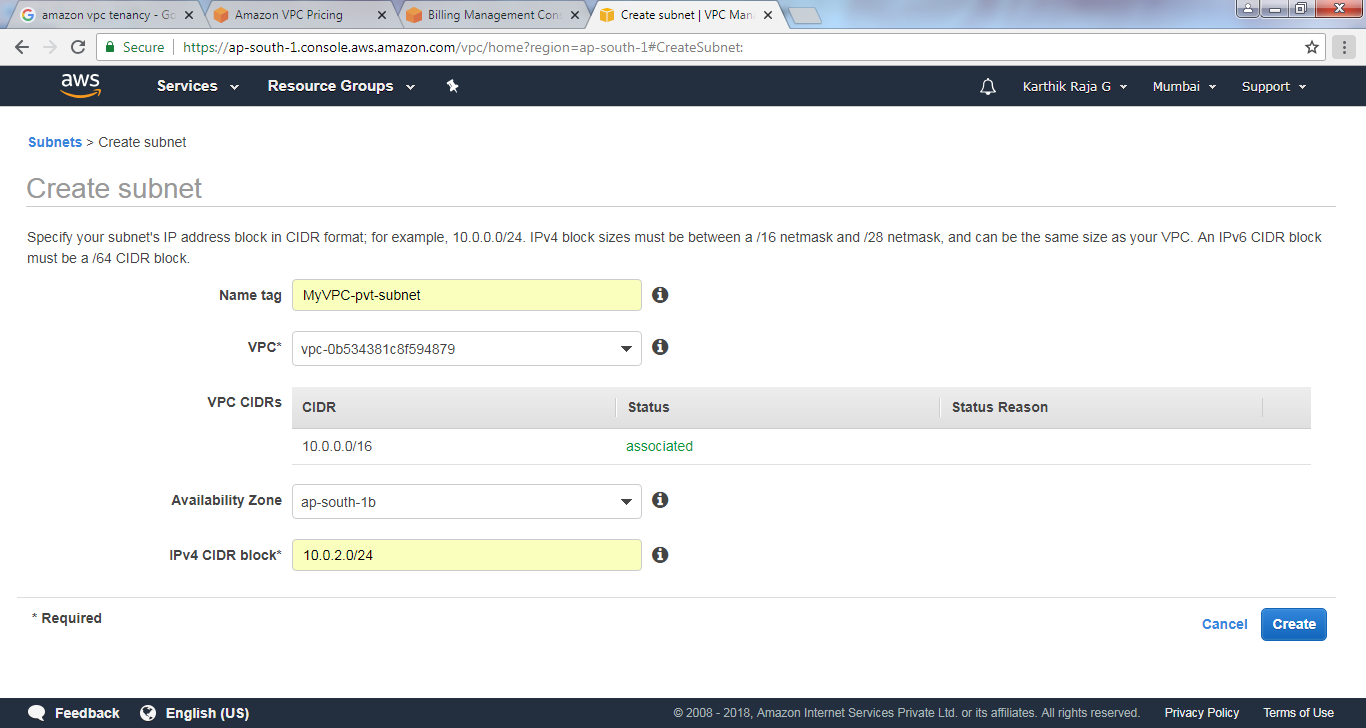


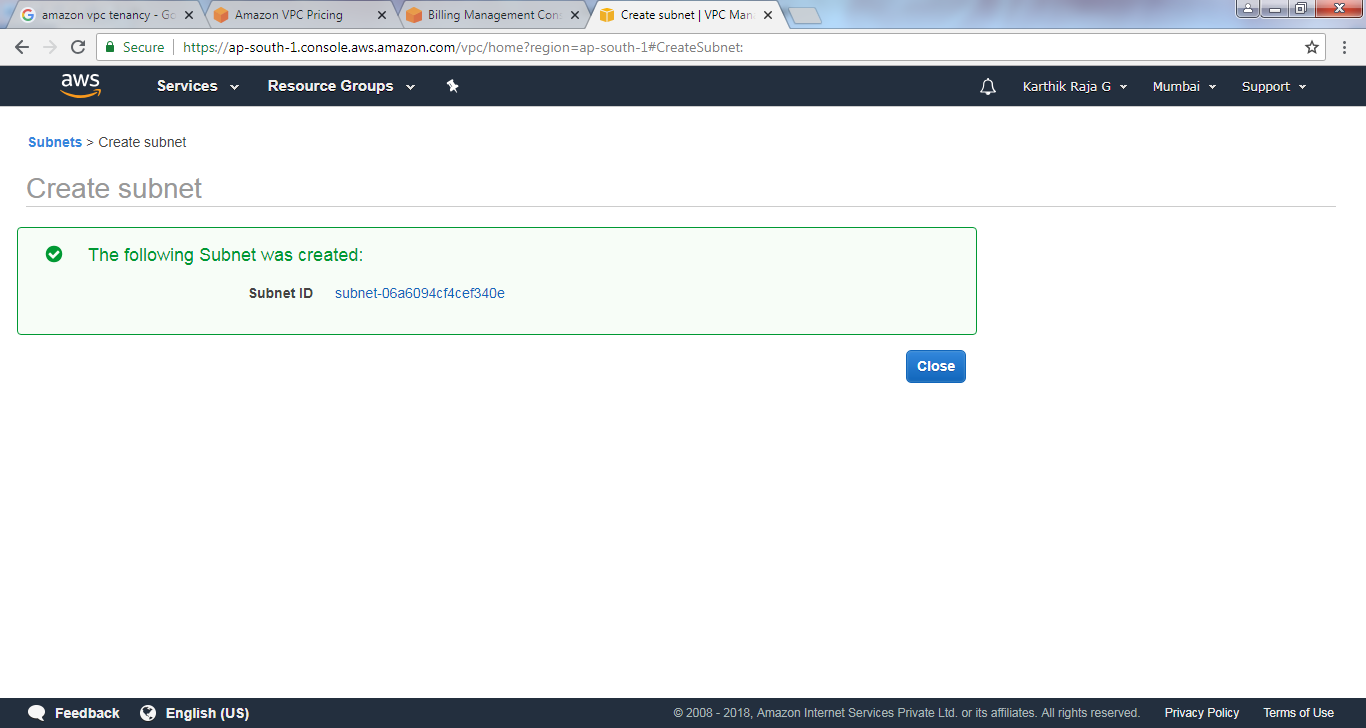


Create Subnets

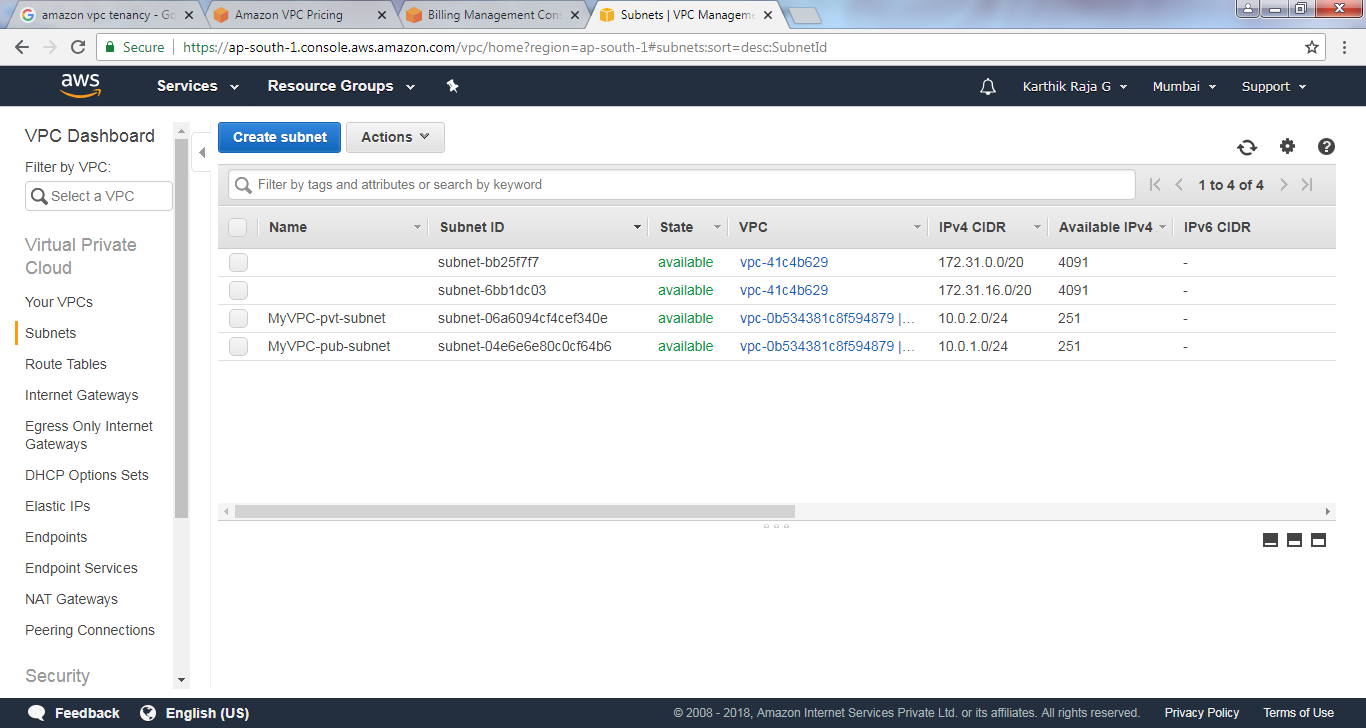






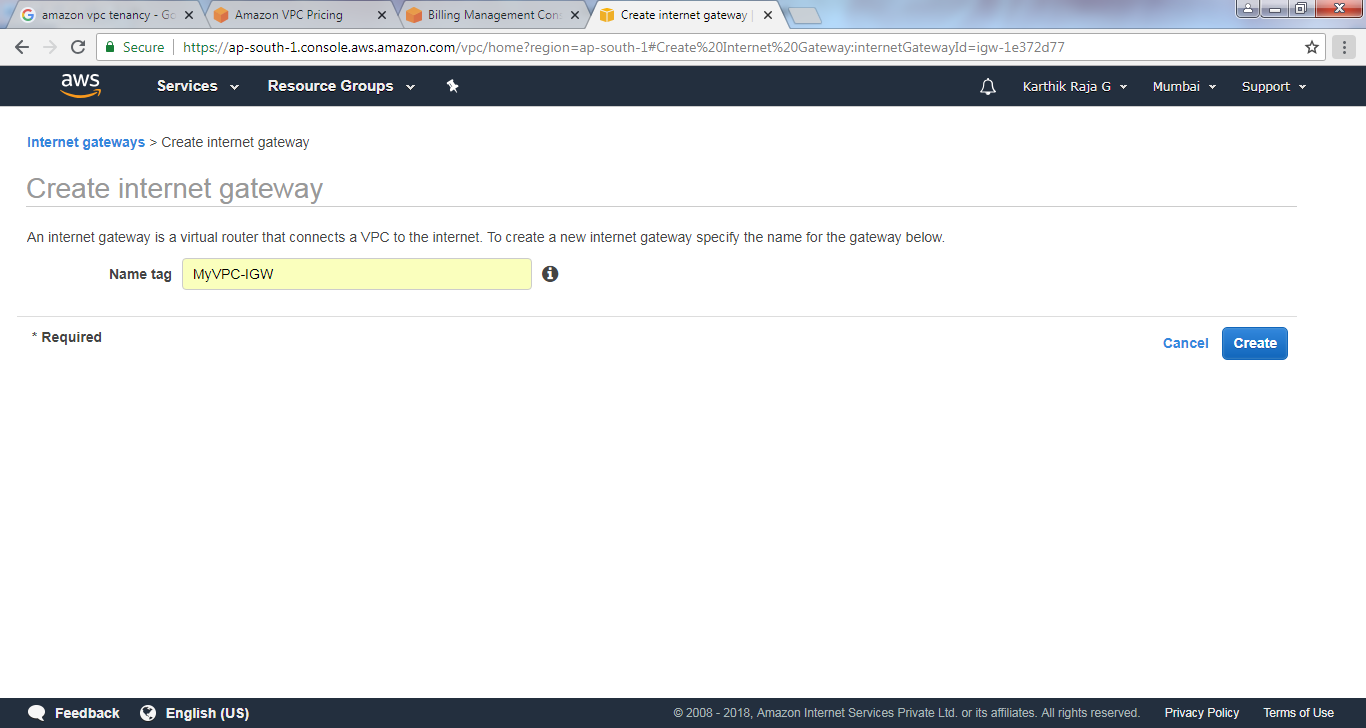


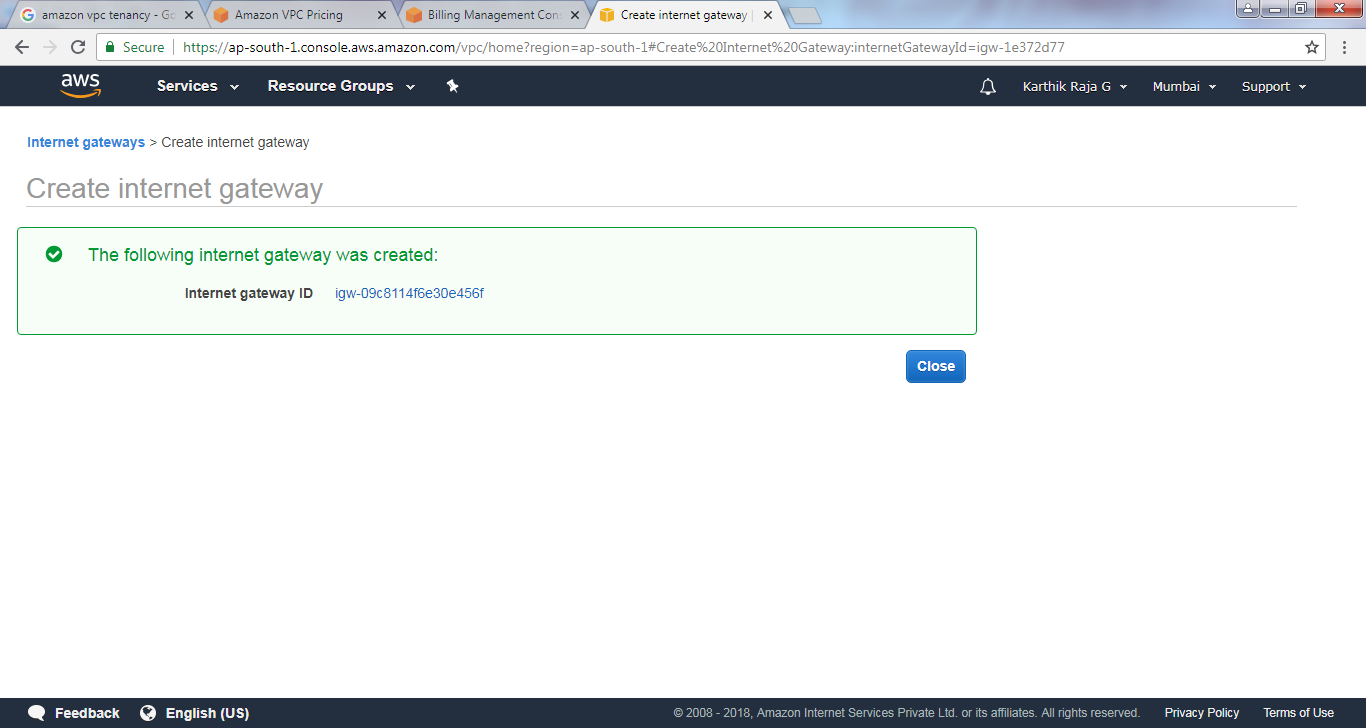
Created Two Subnets.



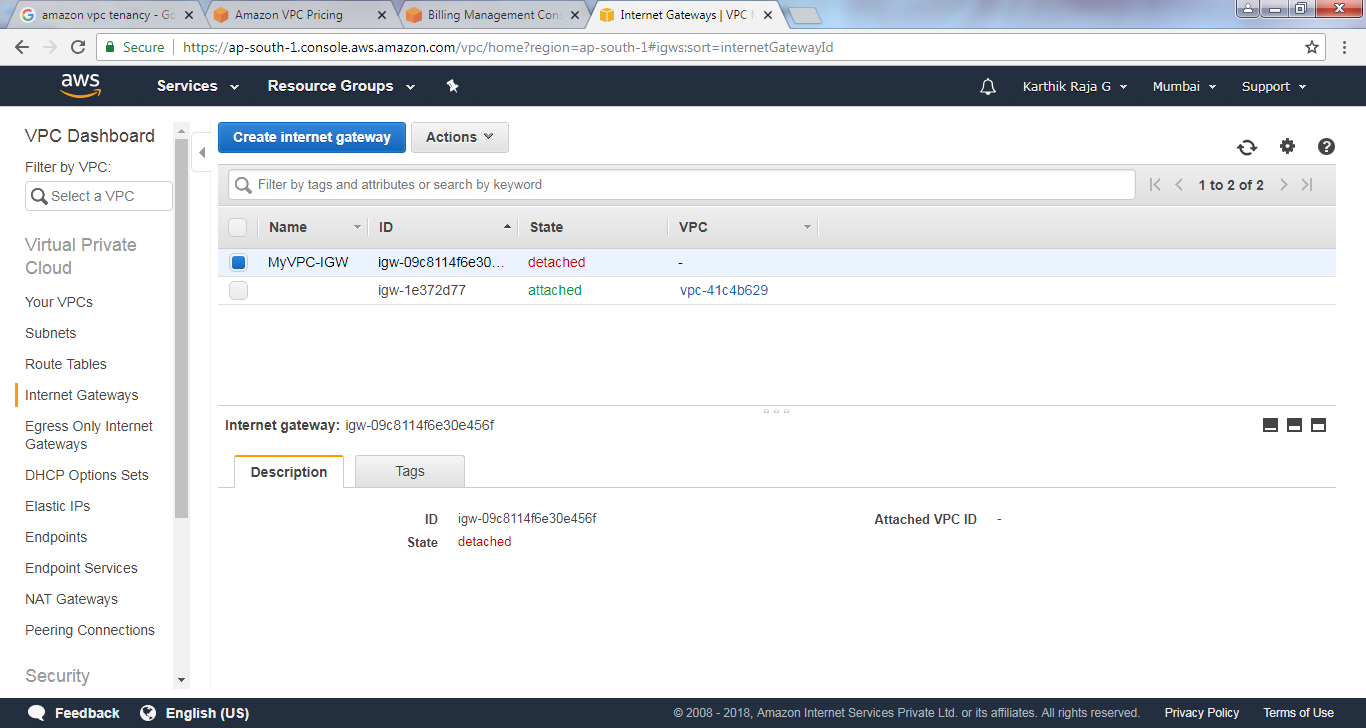
Create Internet Gateway:

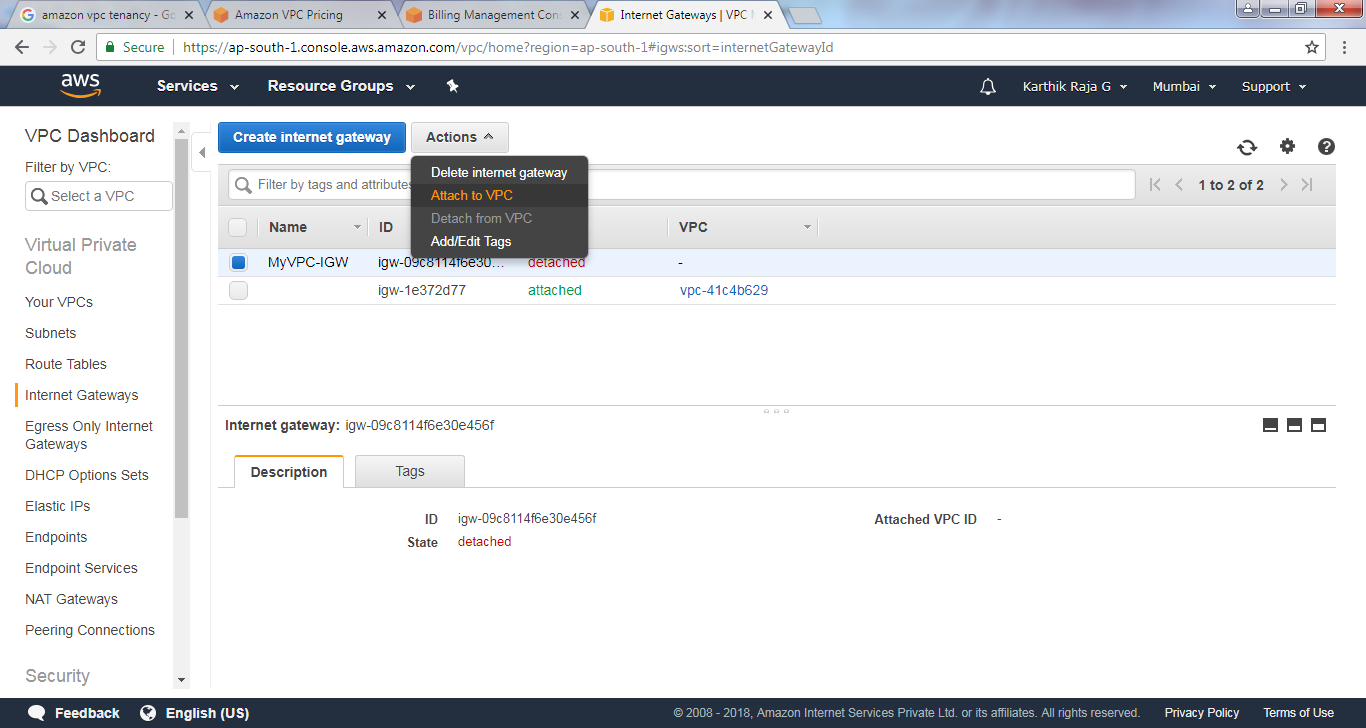


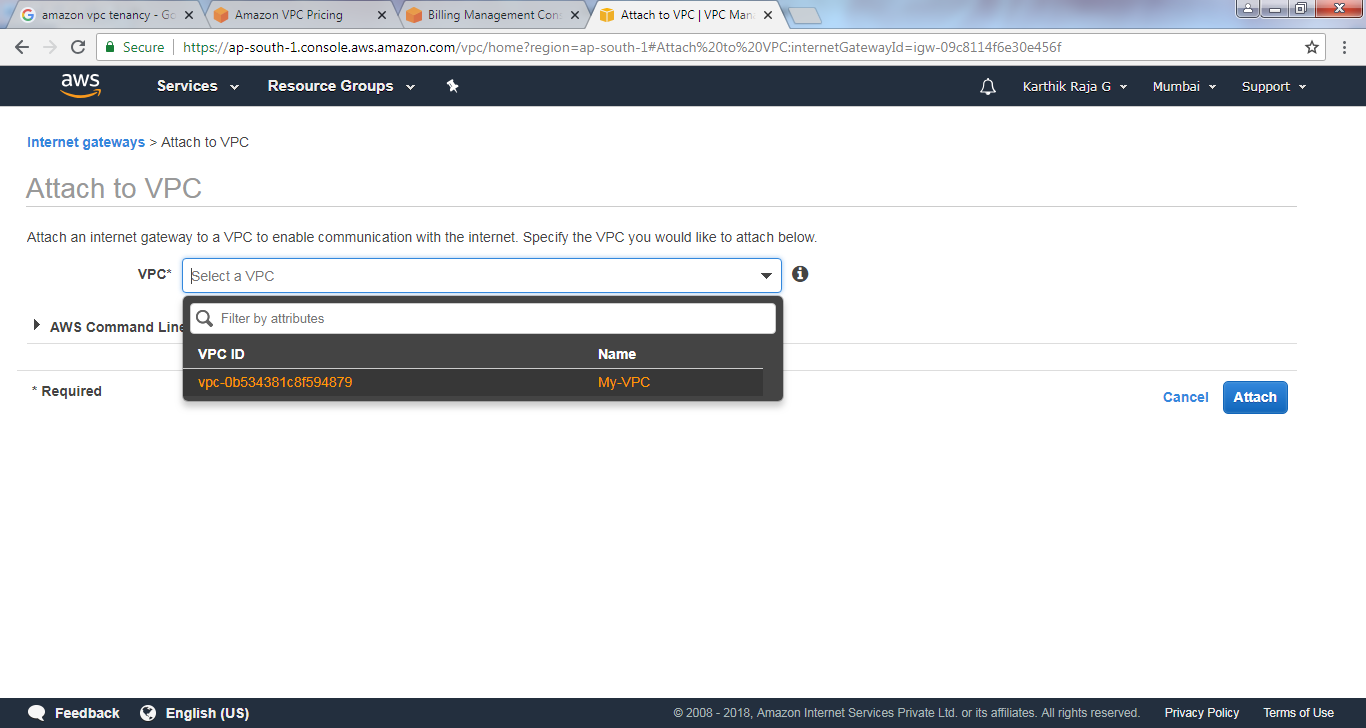


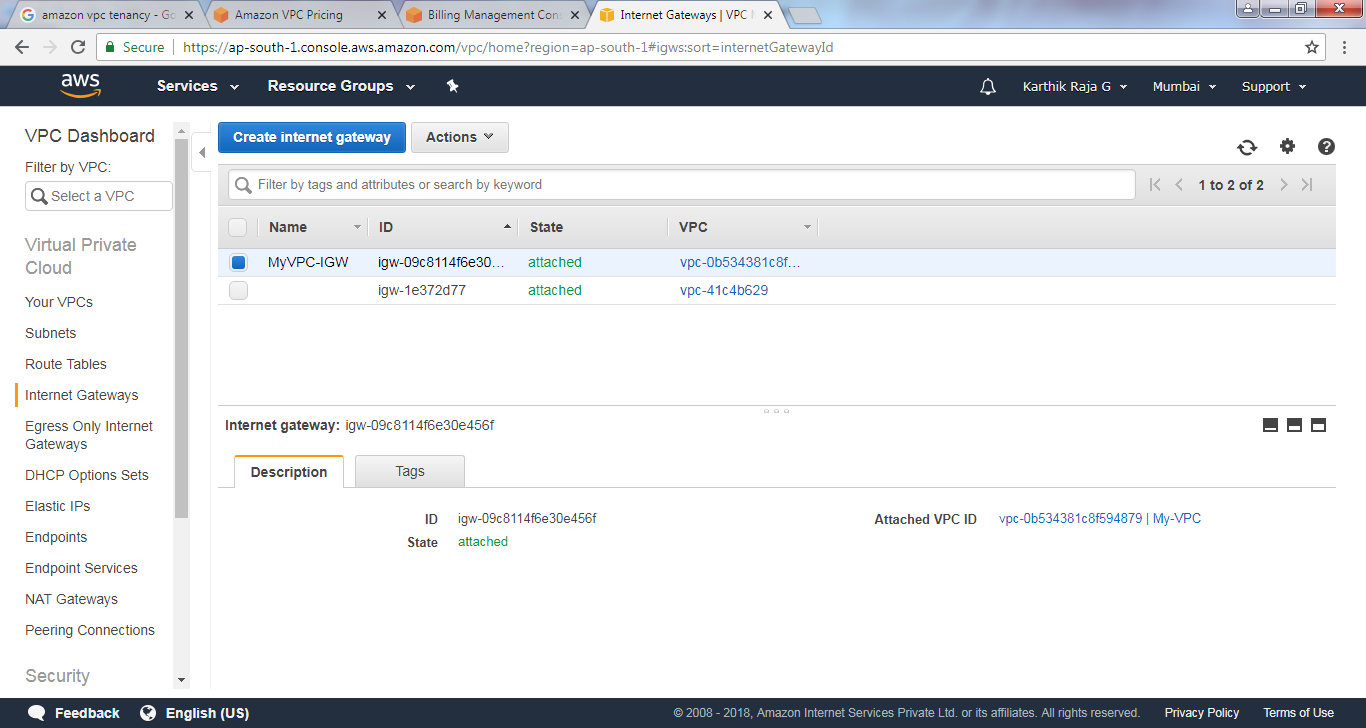


Now attach the IGW to the VPC

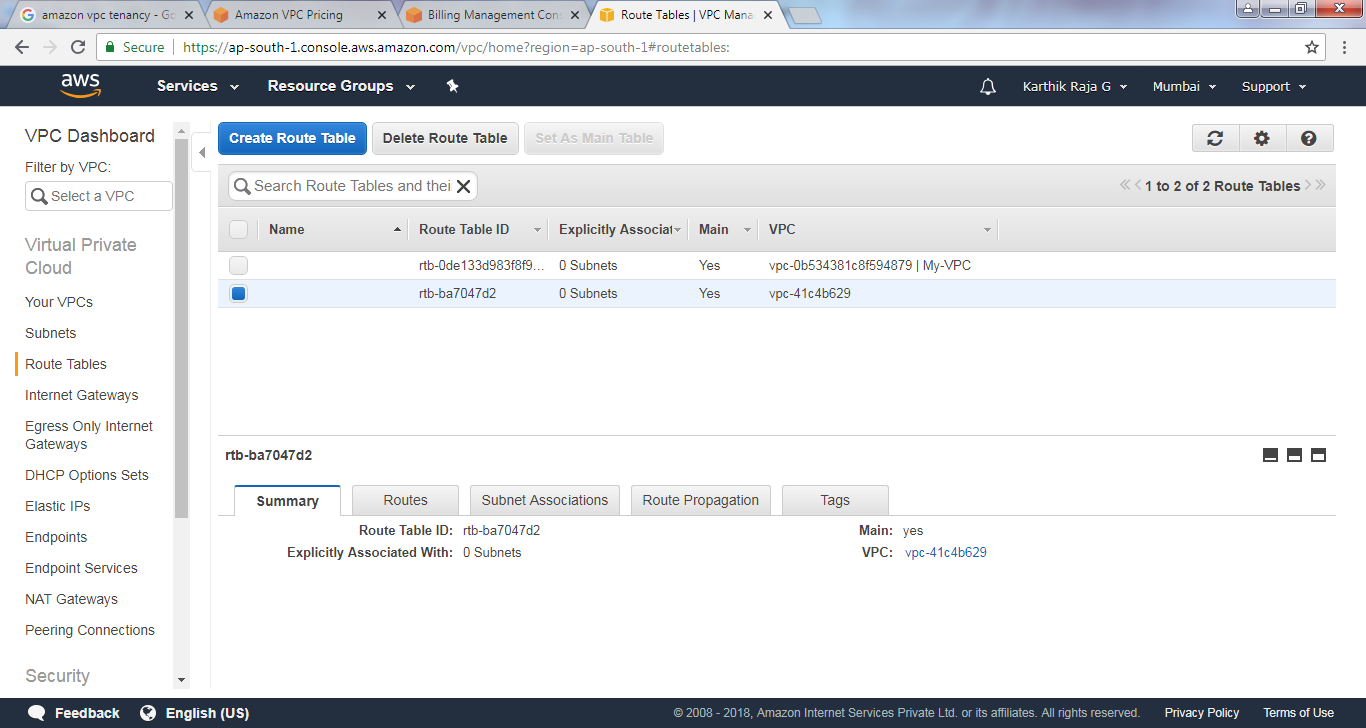


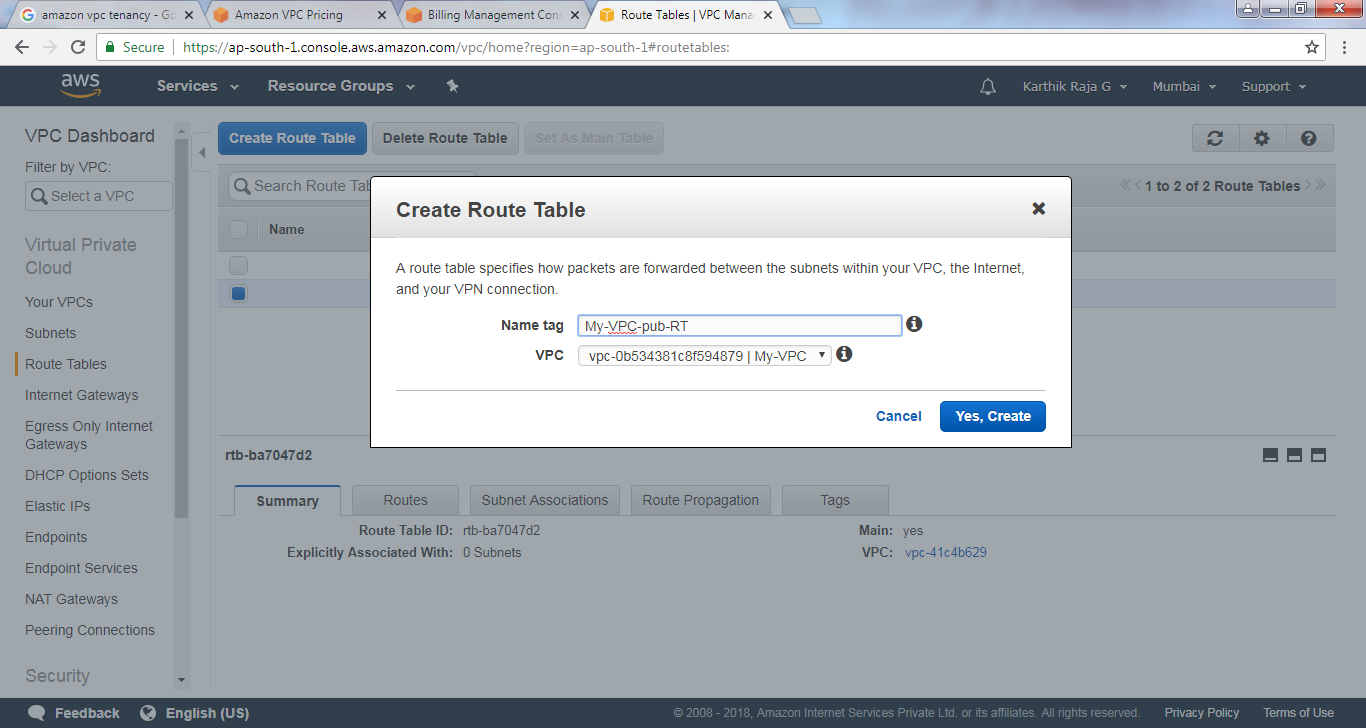


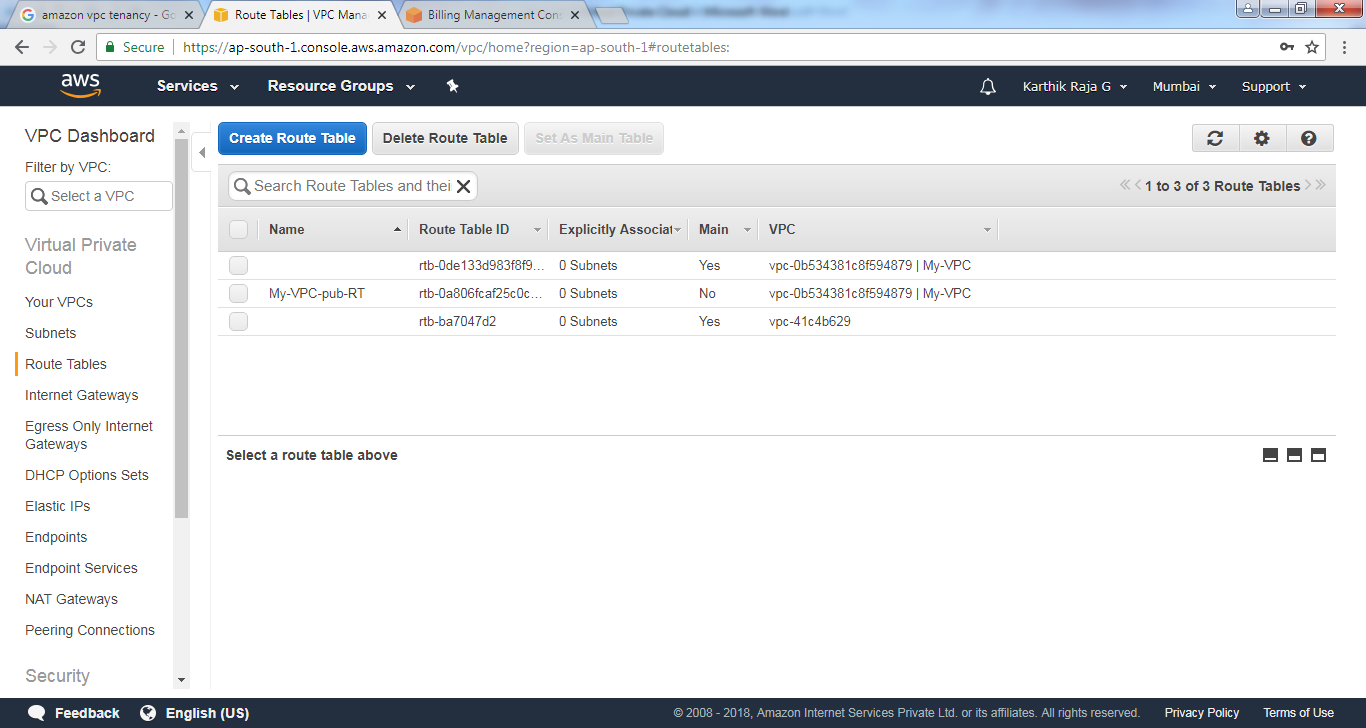




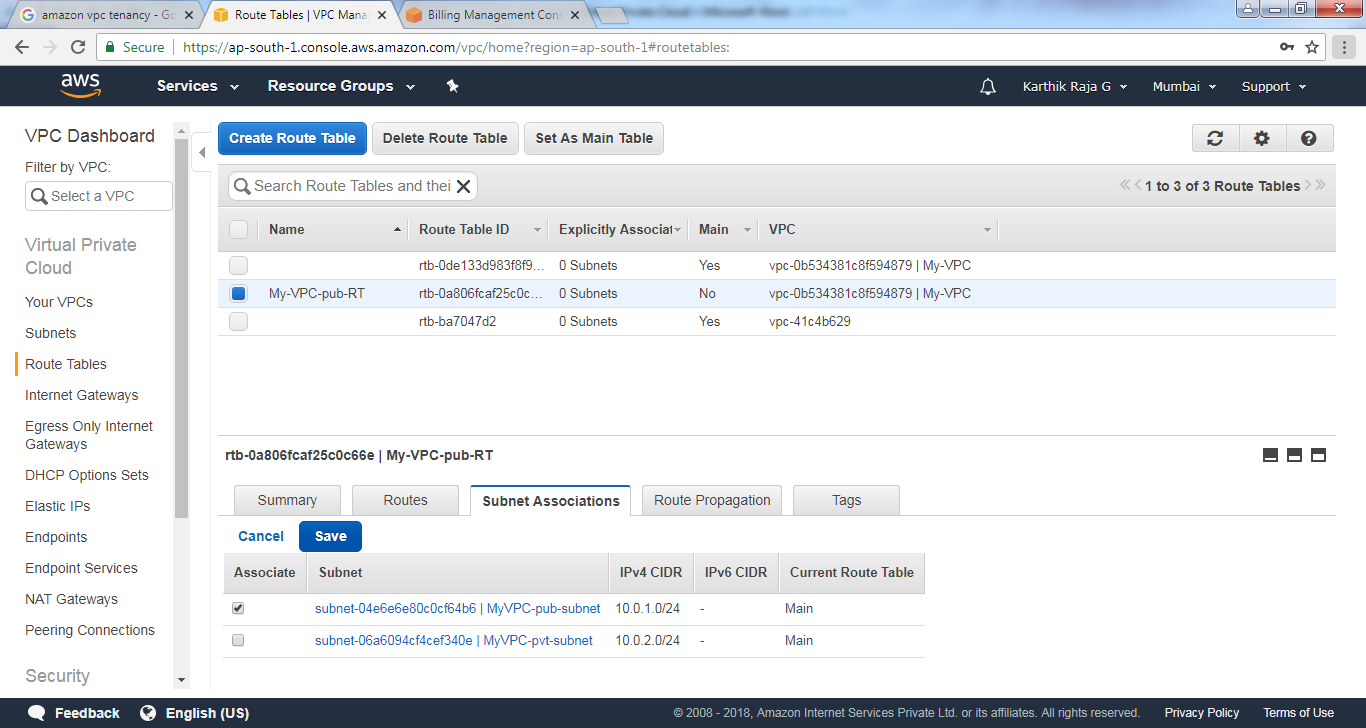
Create Public Routing Table:

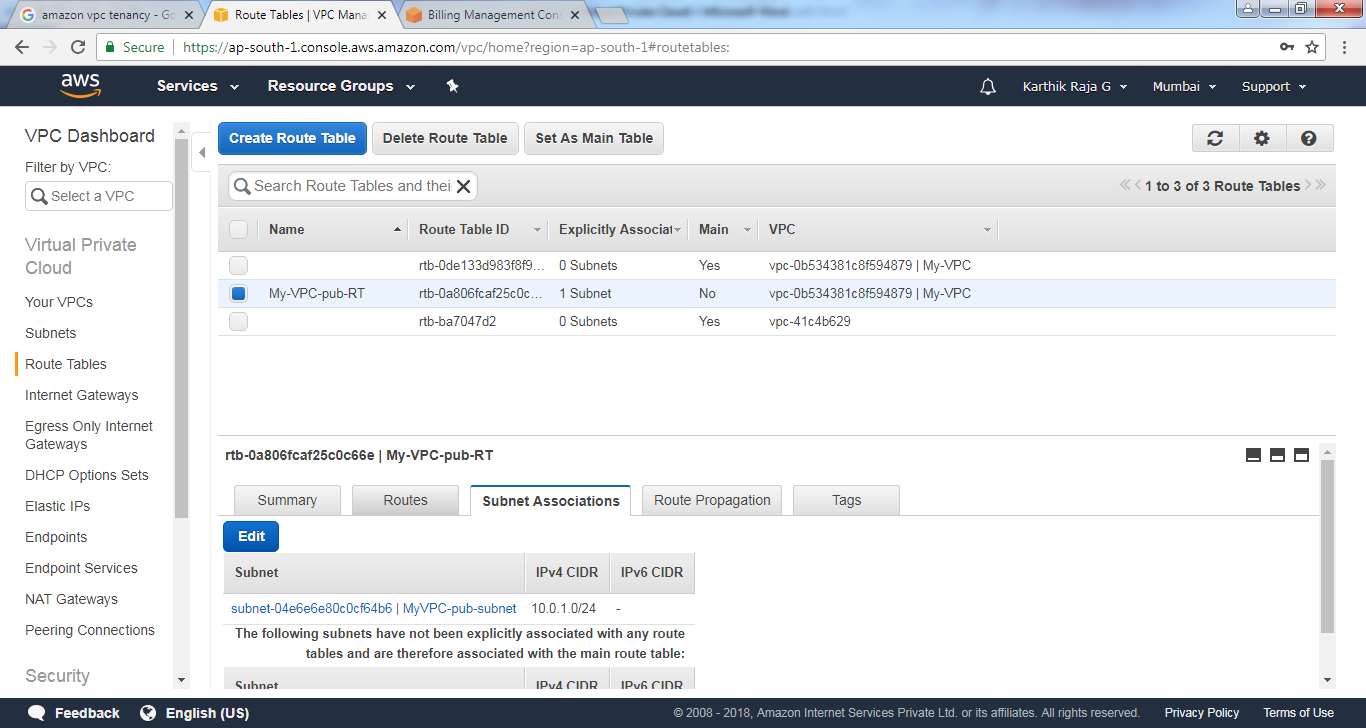




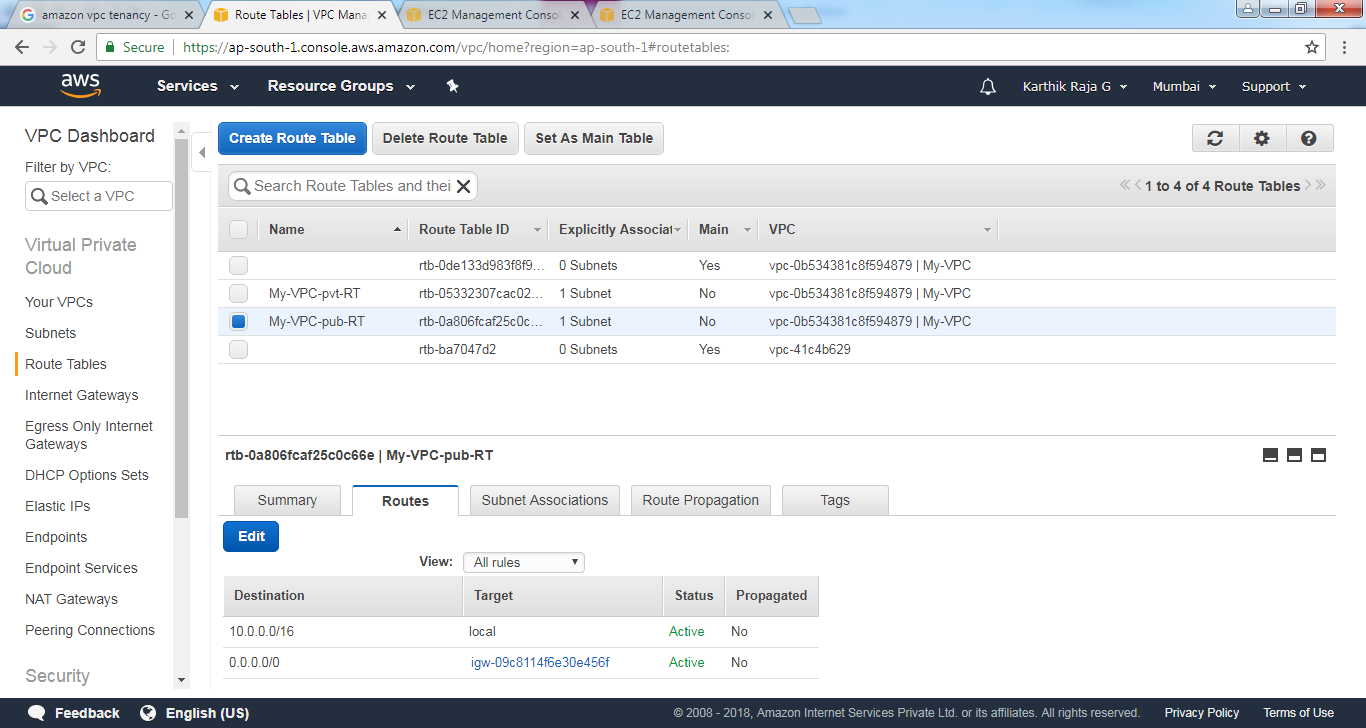


Choose the Public Route table and assign the subnet to it by editing. The save it.

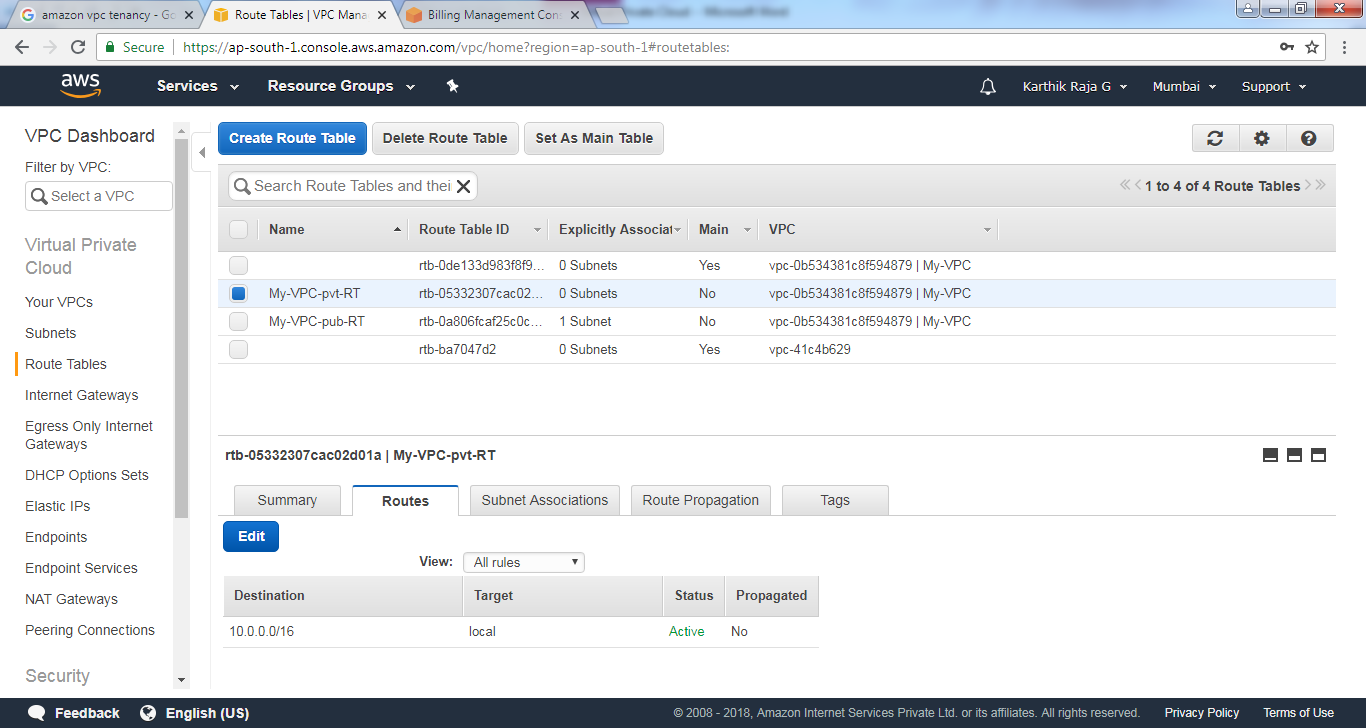


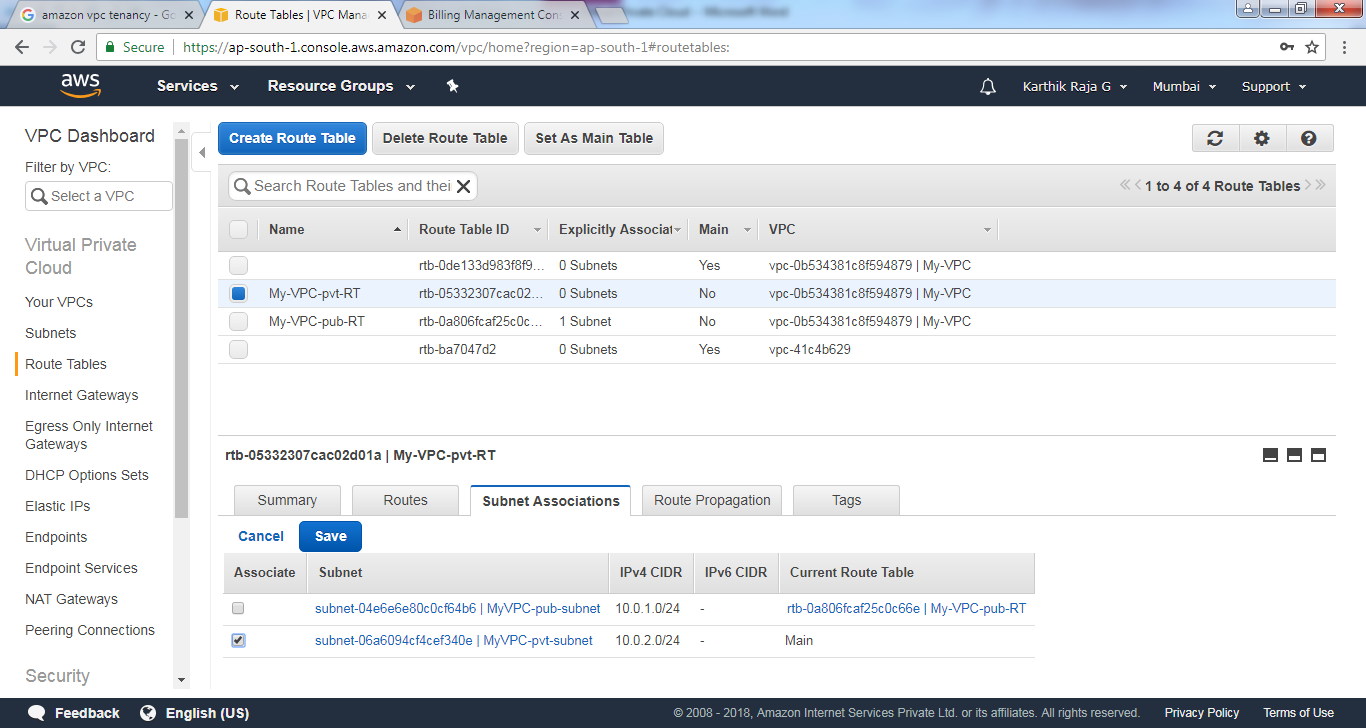


Choose the Routes tab and edit it with below data by adding another Route. Assign the Internet Gateway to it. Then save it.

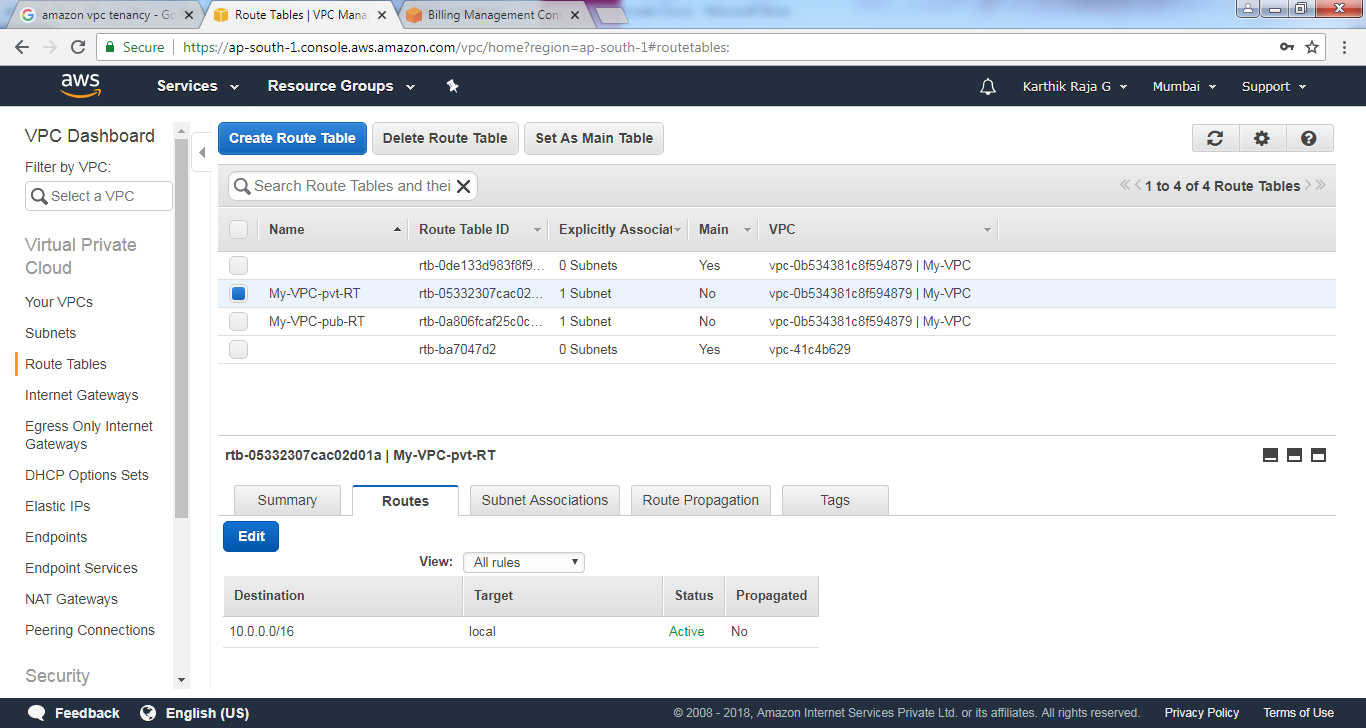


Same like, Create Private Route Table, associate Subnet & leave the **Route rules without assigning any**.

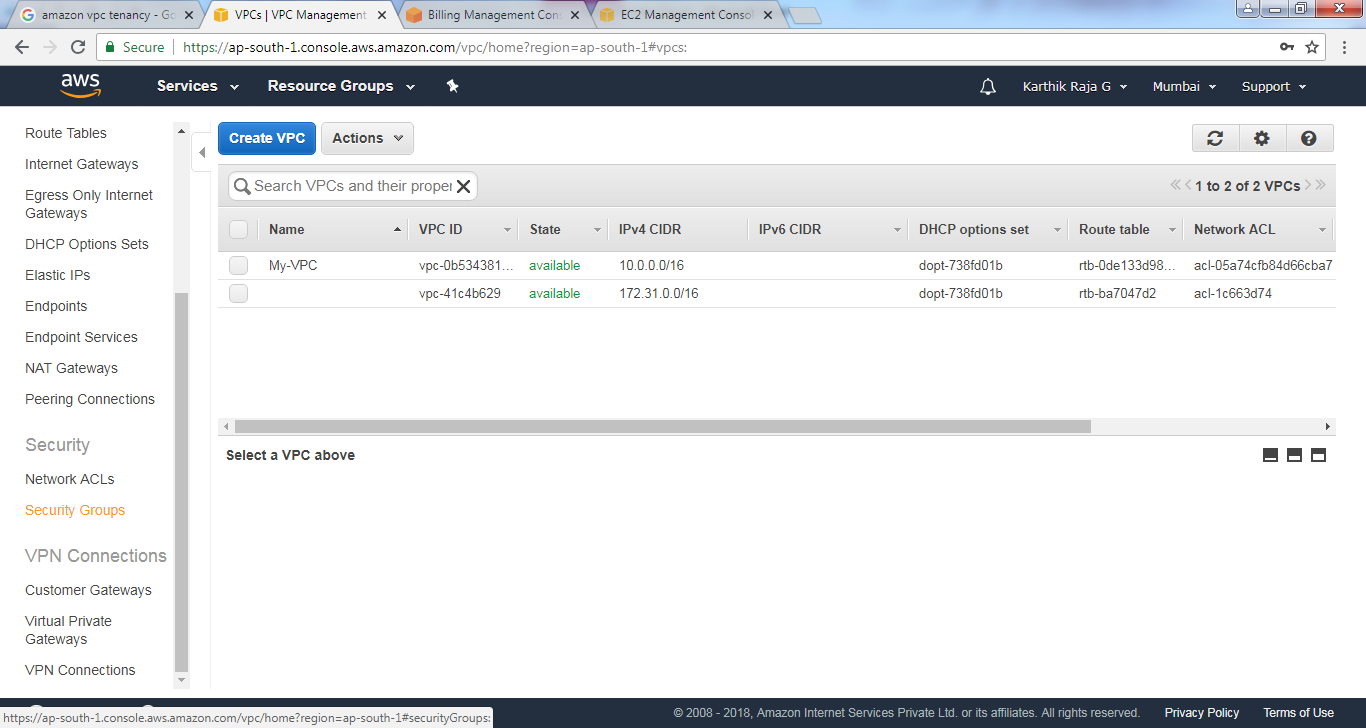


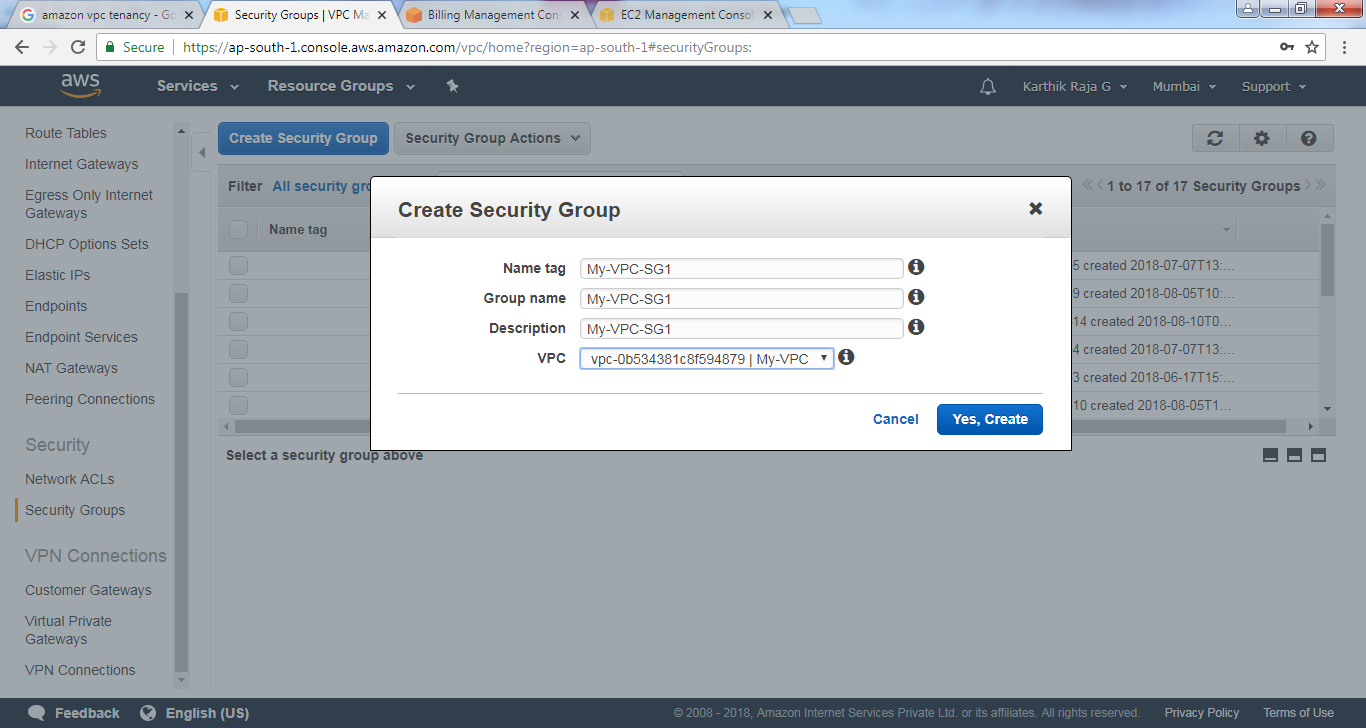


No Need to add the IGW to the Private Route Table.

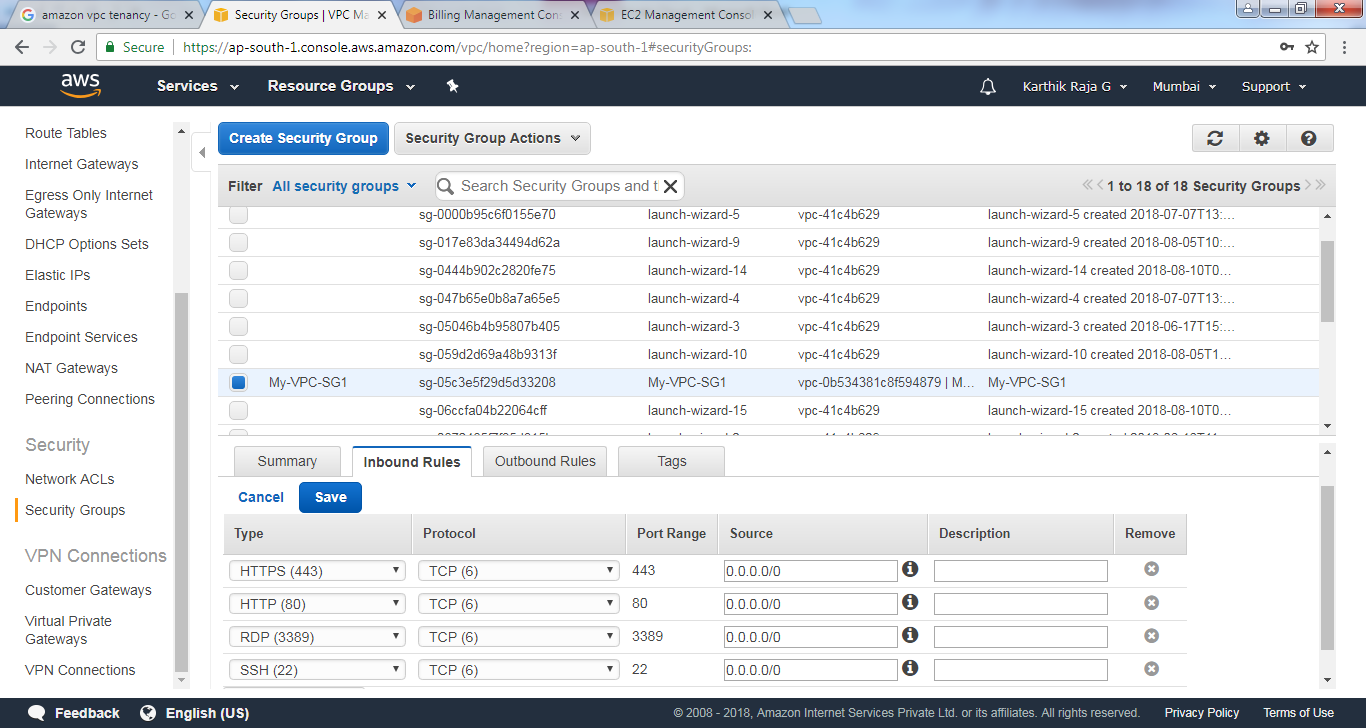


Create a security group for public and private EC2s.

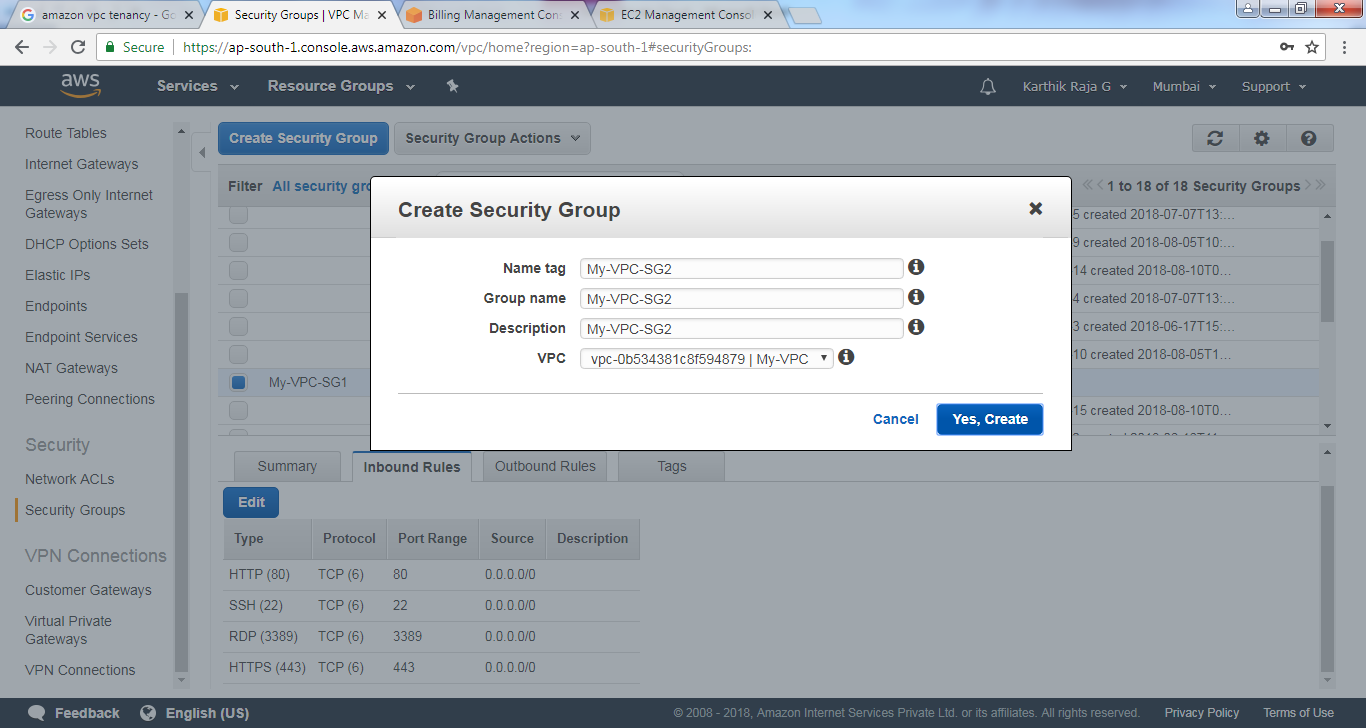


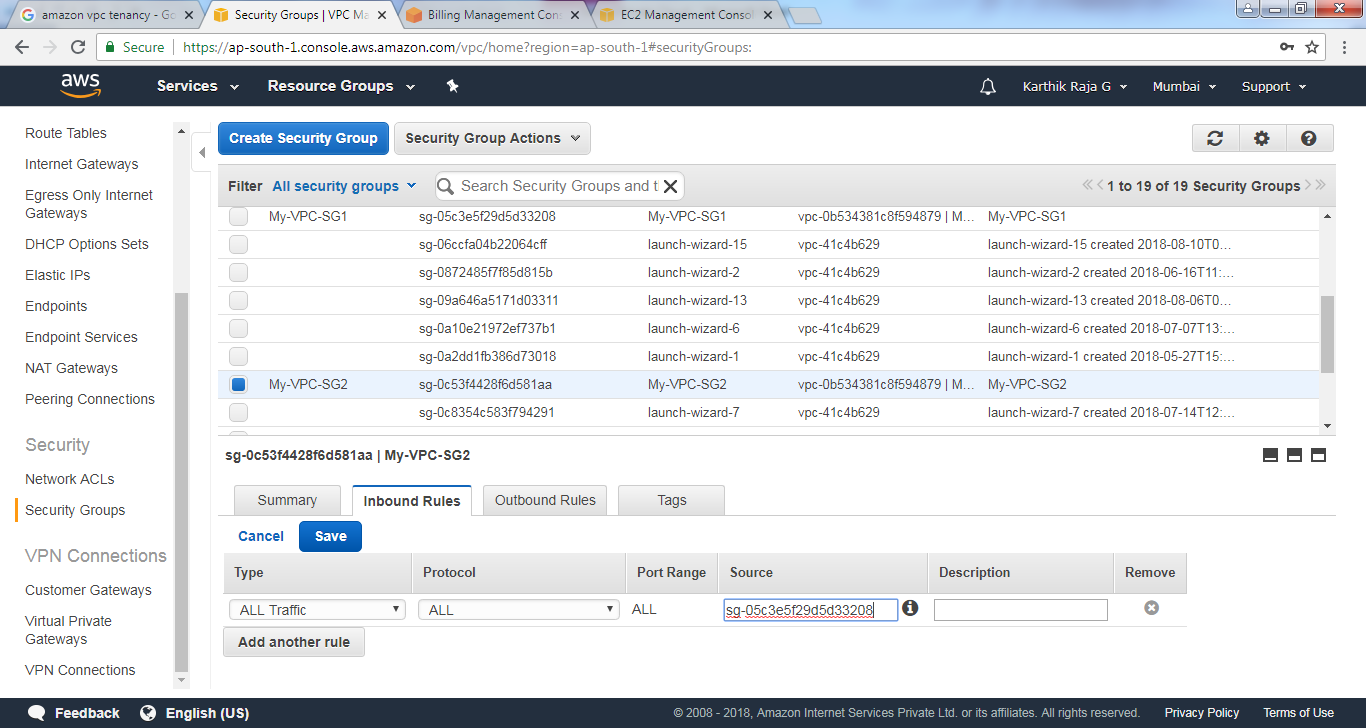


Choose it and change the inbound Rules of it by editing & save it.



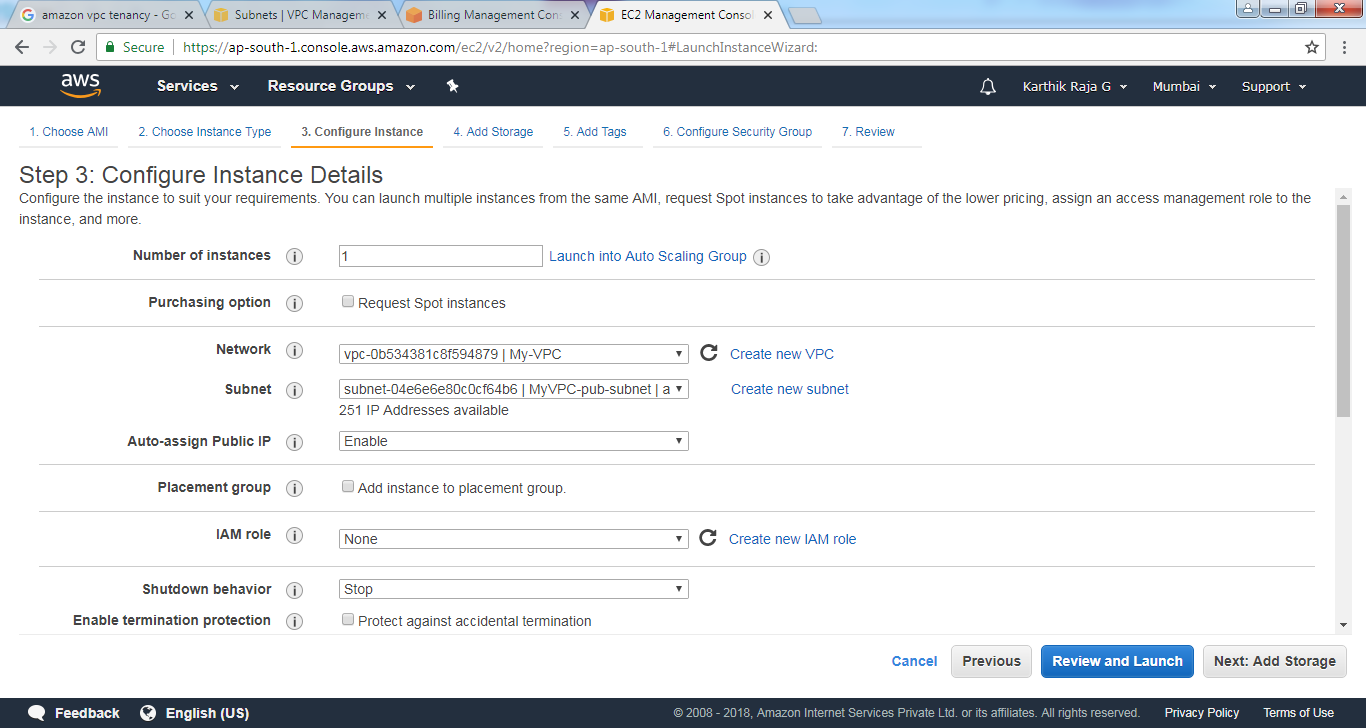
Same like create one for private security group but map the Public security group @ the source.



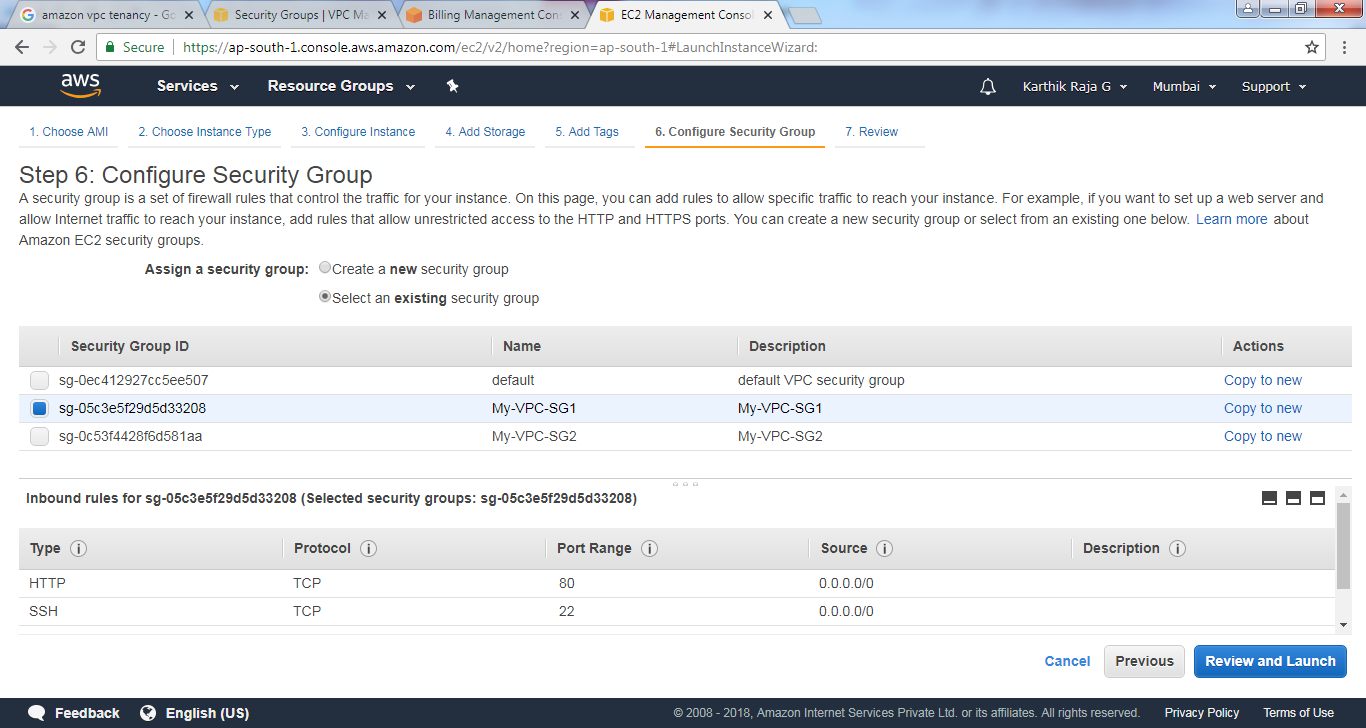


Create Two EC2’s - one in public subnet, one in Private subnet.

Choose the VPC/Subnet/ Enable Auto Assigned IP address.

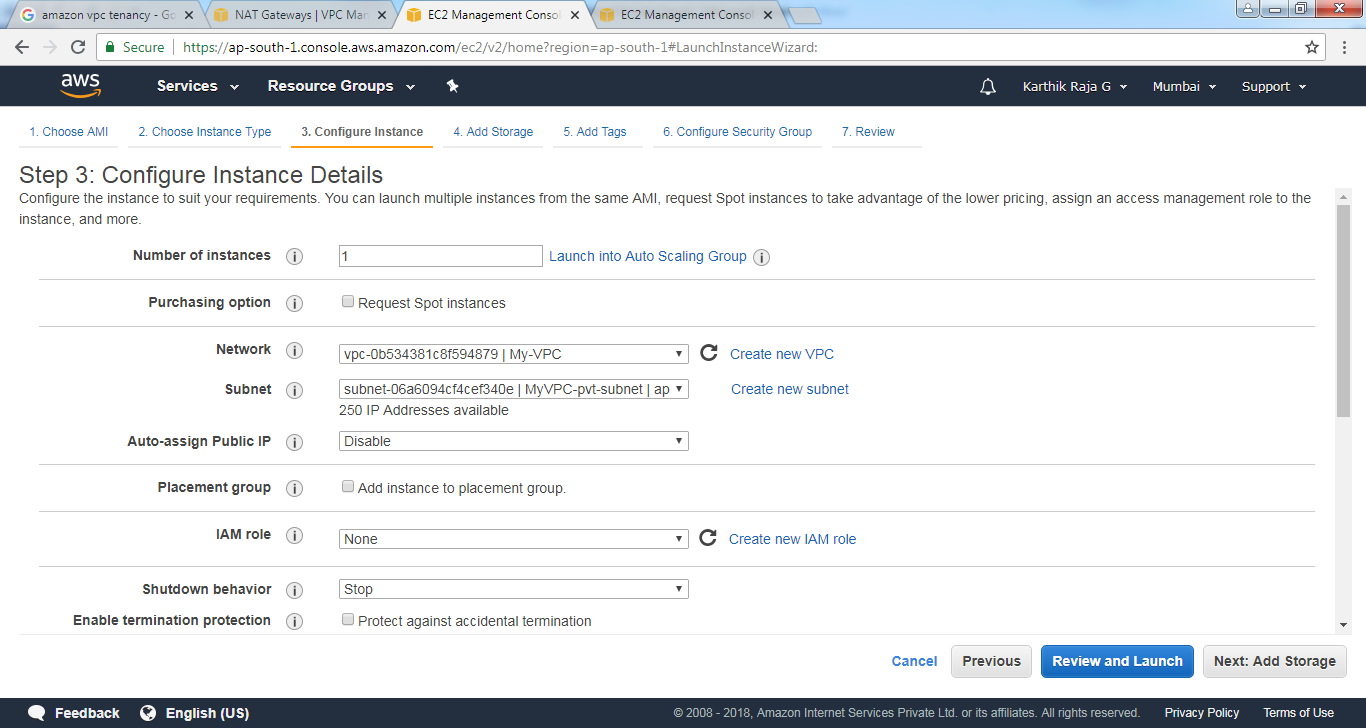


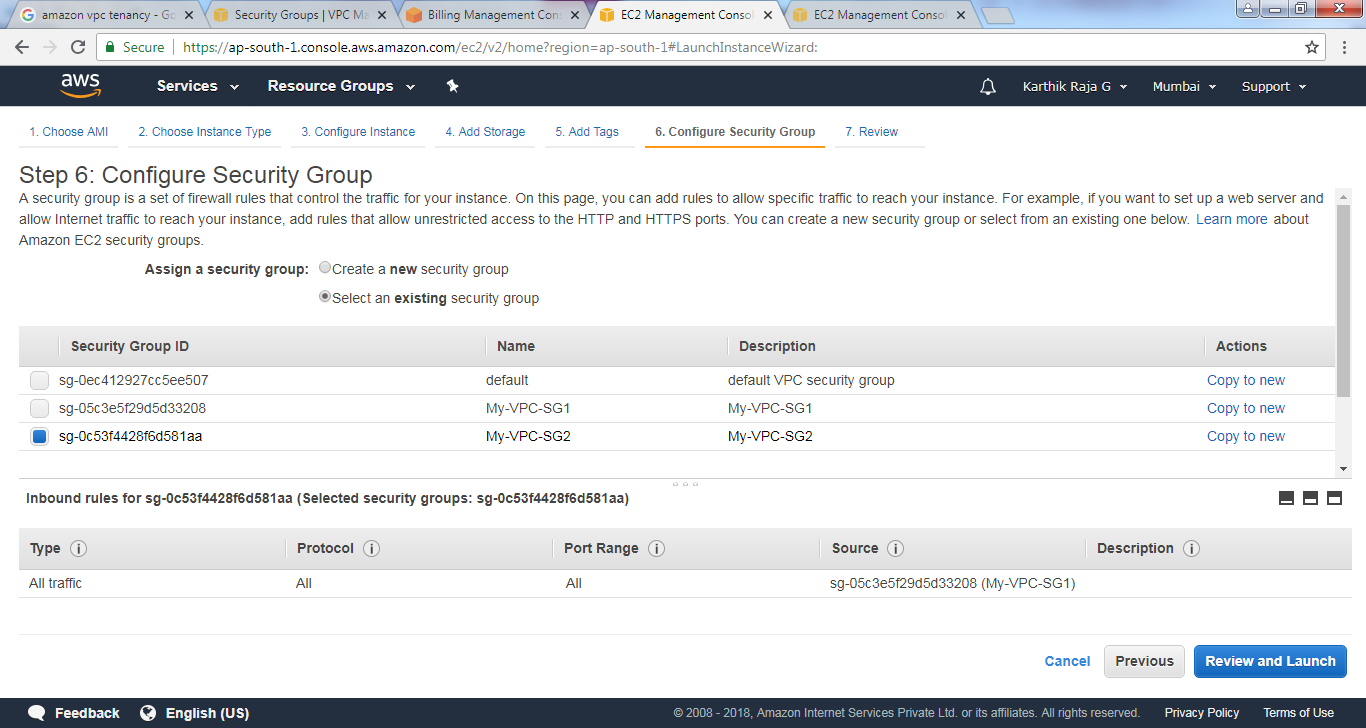
Then map the security group and launch the EC2 instance.



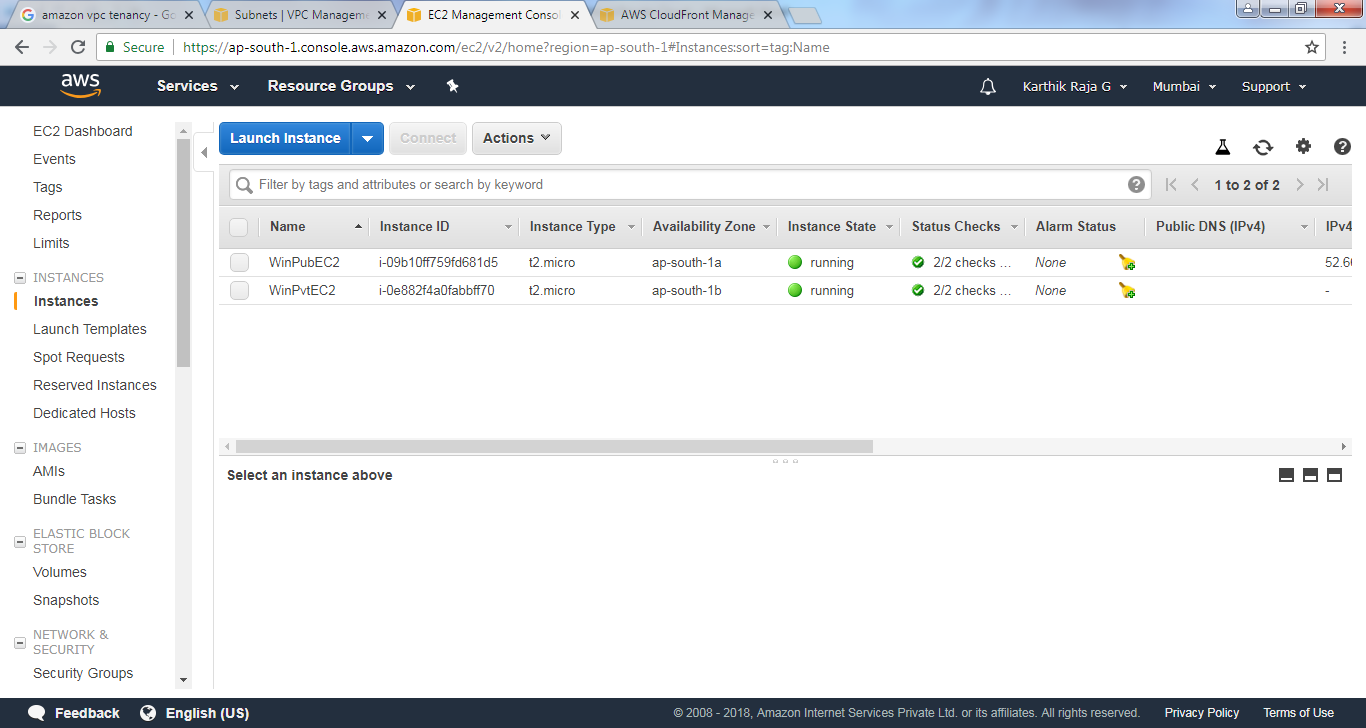
Then generate a KEY for the EC2 machine and work with it.

Then Create another EC2 in Private Subnet&Security Group.

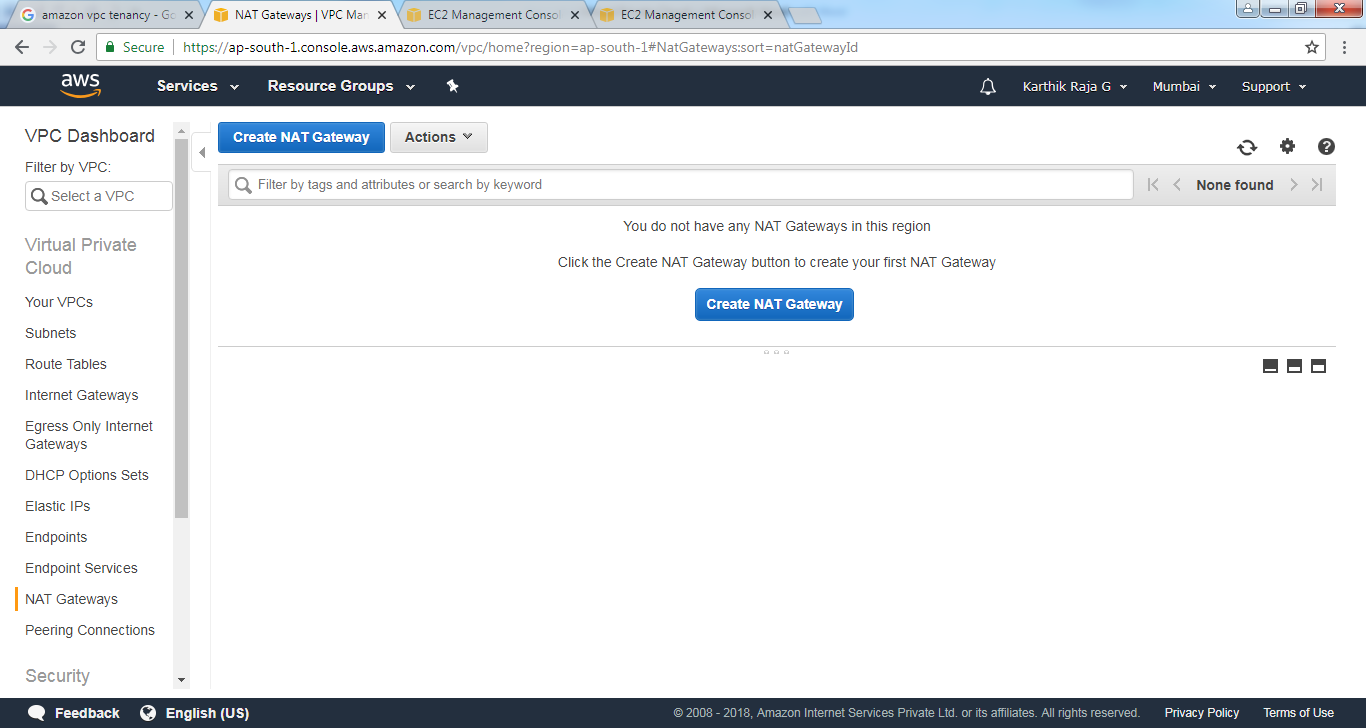




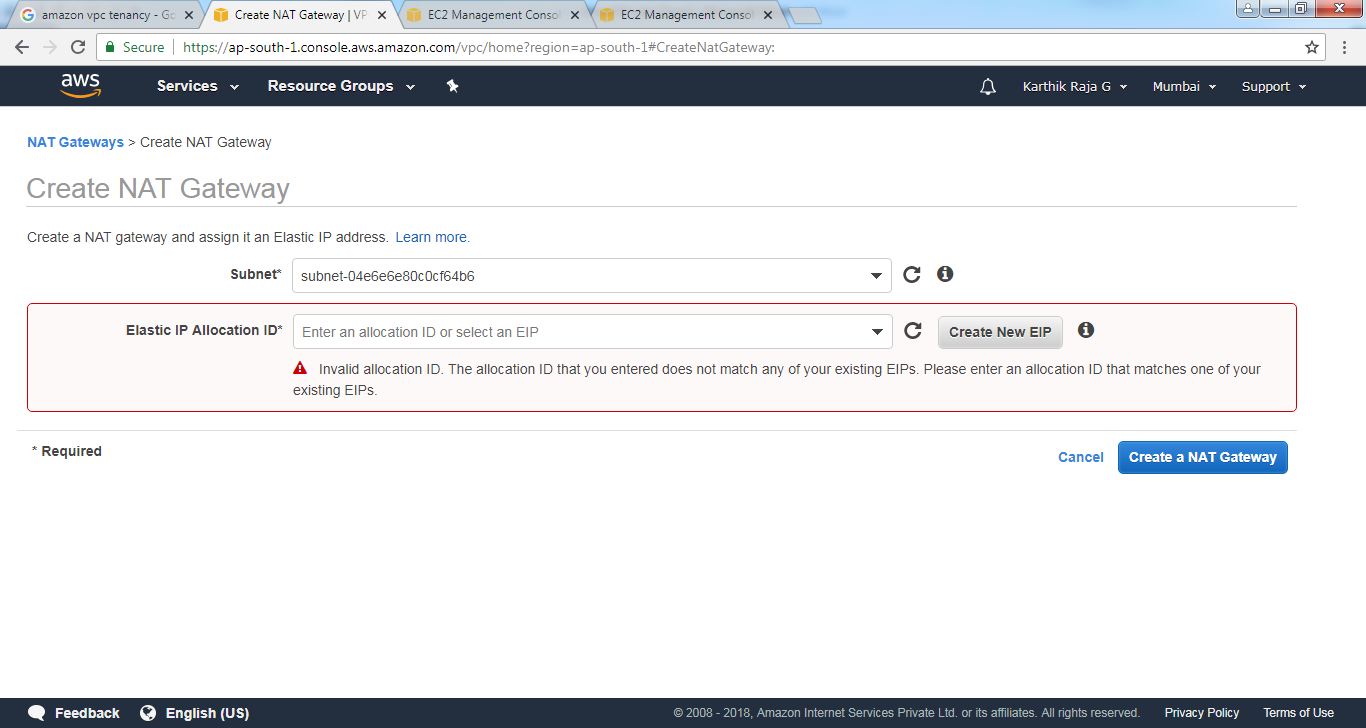
Both the EC2 are now available to login.



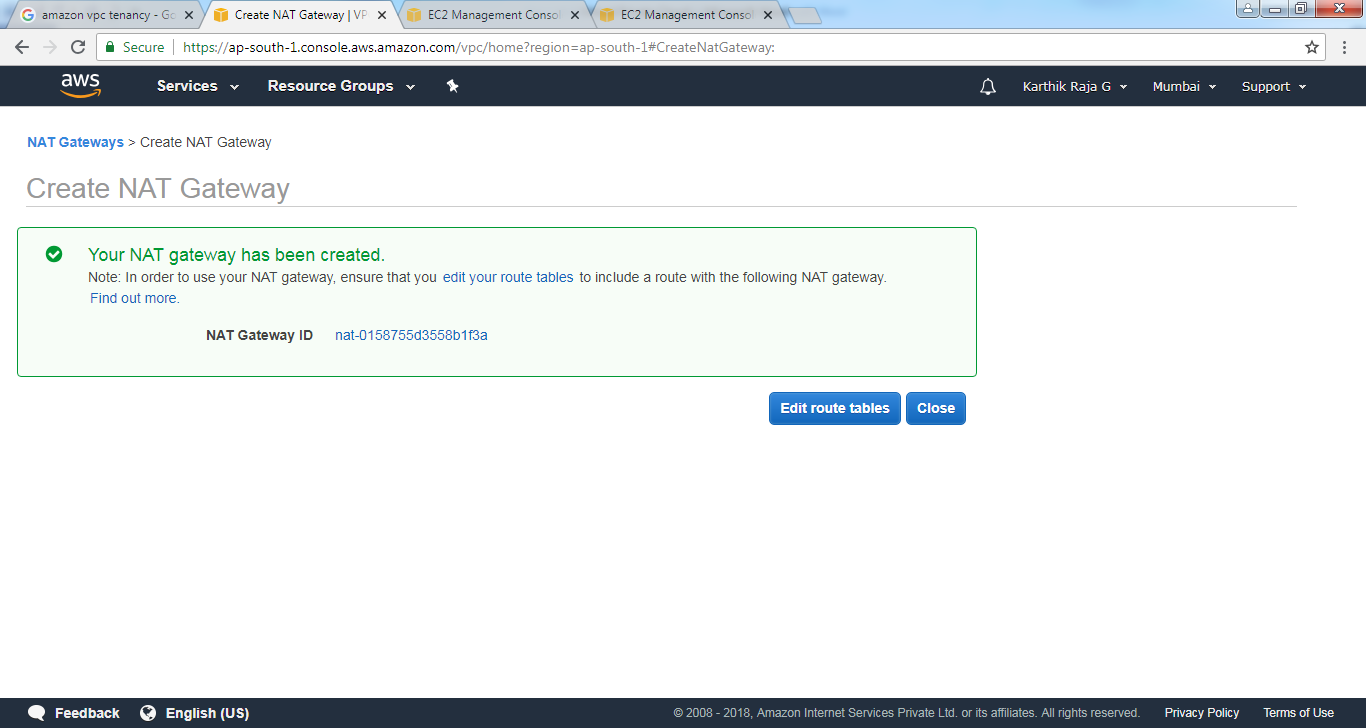
Create a NAT Gateway for **Private EC2 internet connection**. [Collect the Public subnets ID and keep]

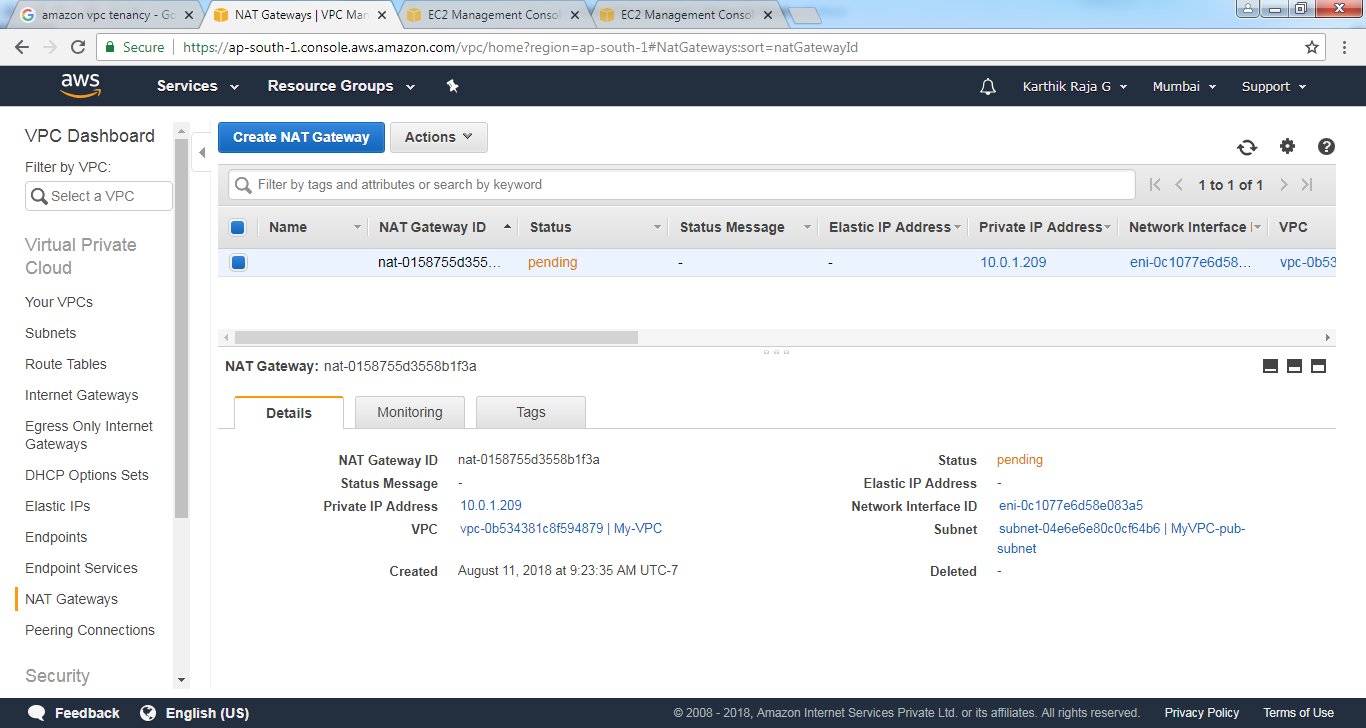


Create a New Elastic IP



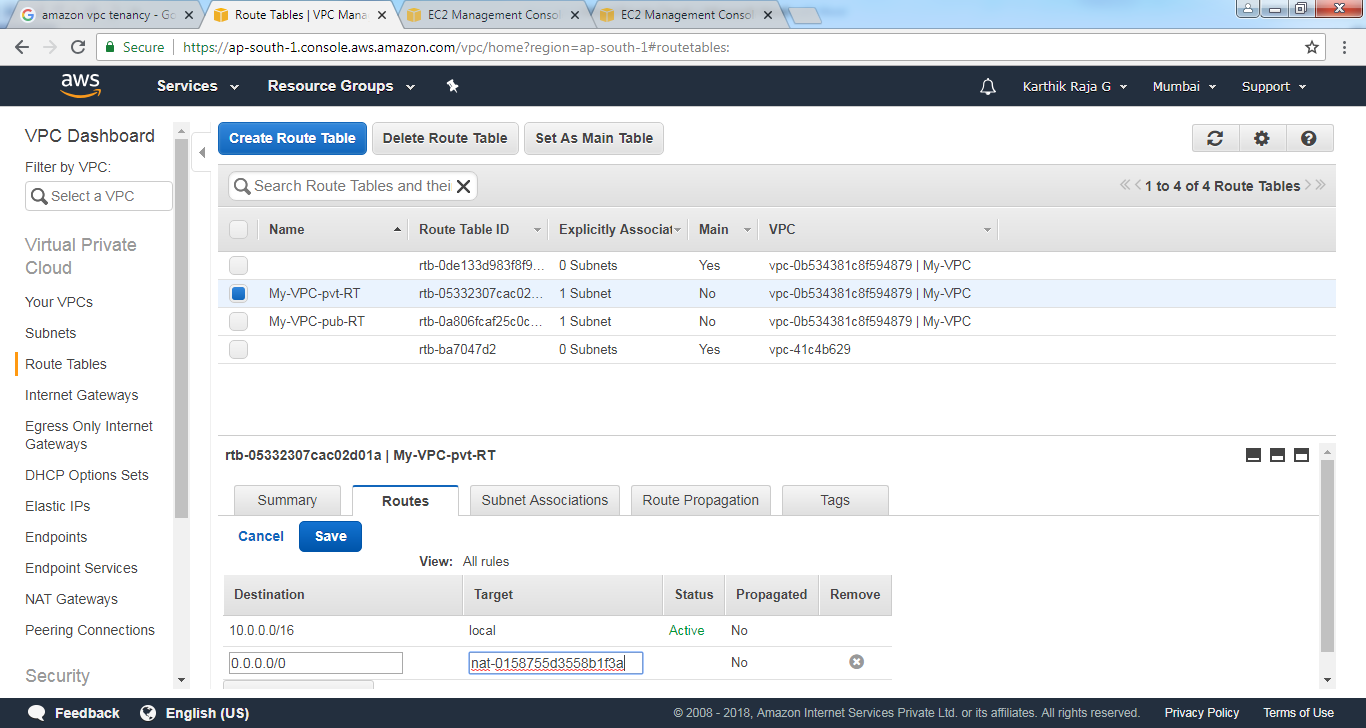




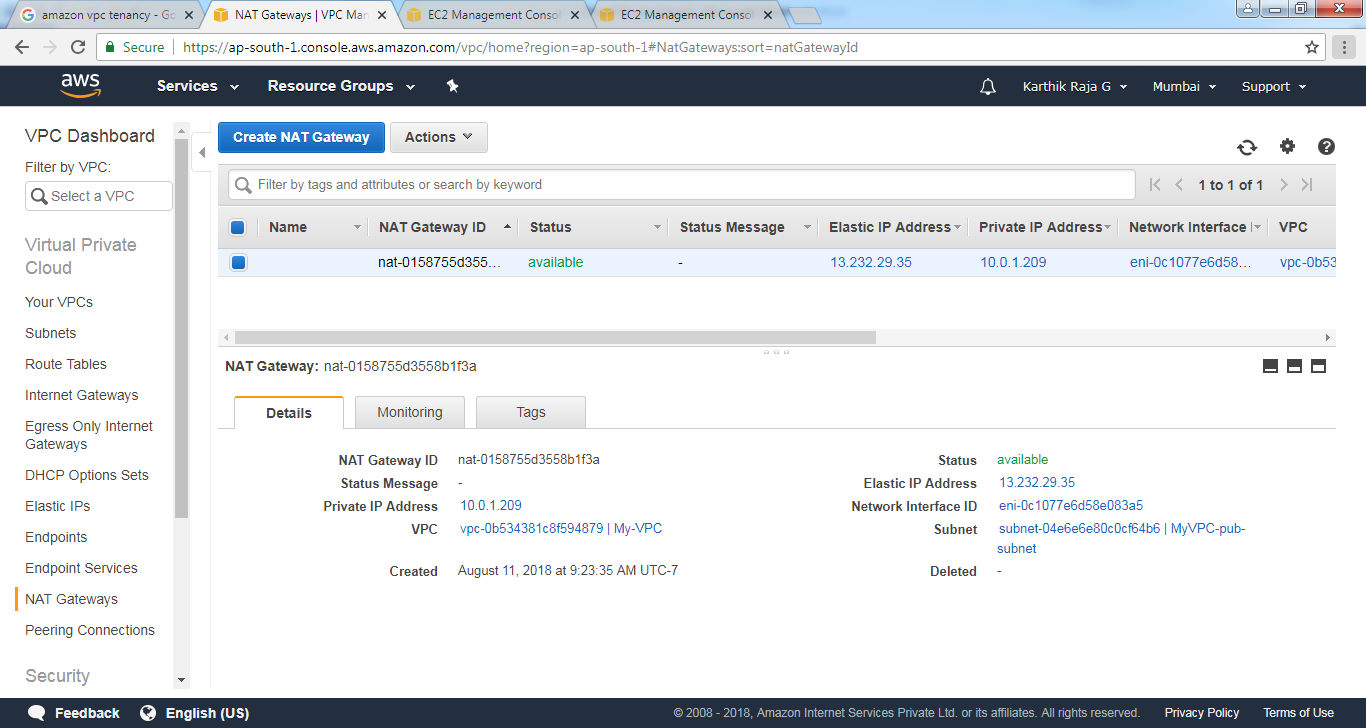


Sometime later the NAT gateway becomes available.

Go to Private Route table & edit the route. Map the NAT gateway to it.



Check NAT gateway became **available**,



**Now login into the Private EC2 and check the internet connection.**