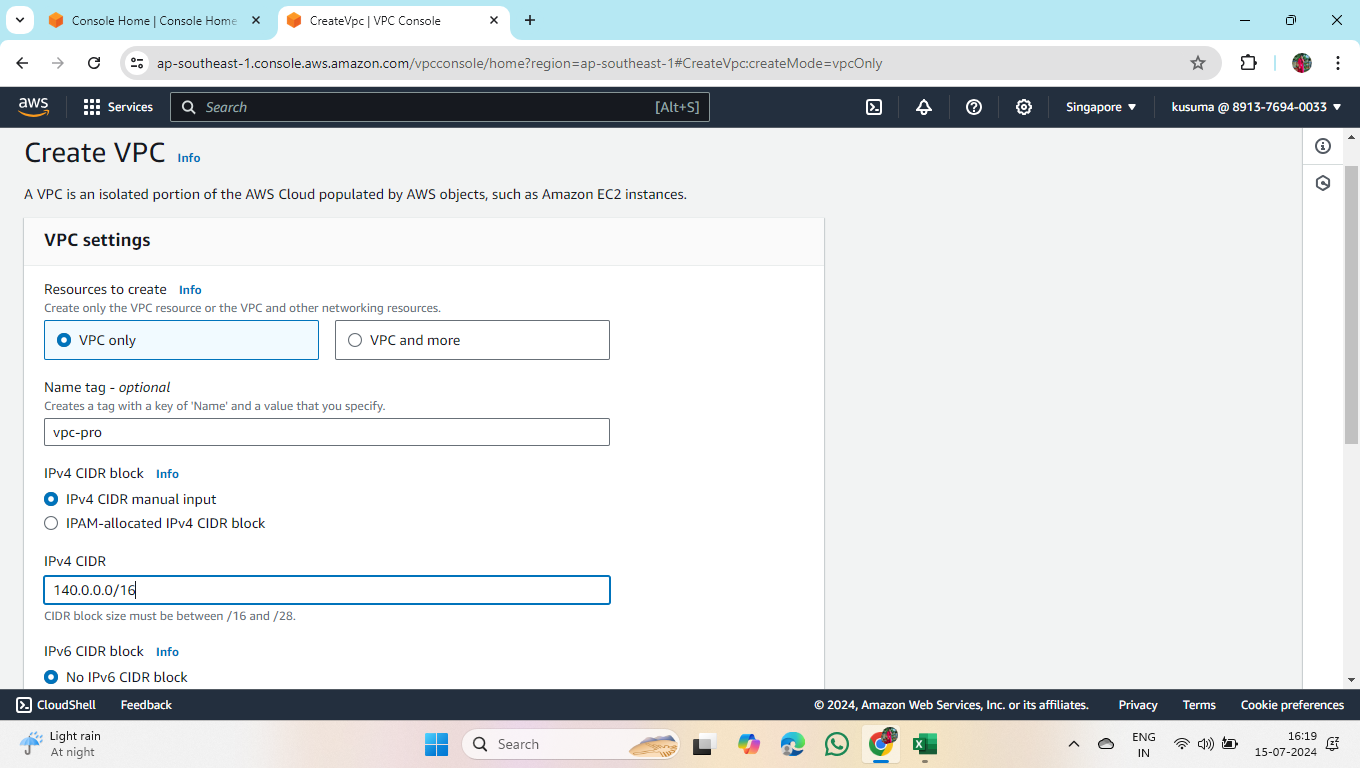
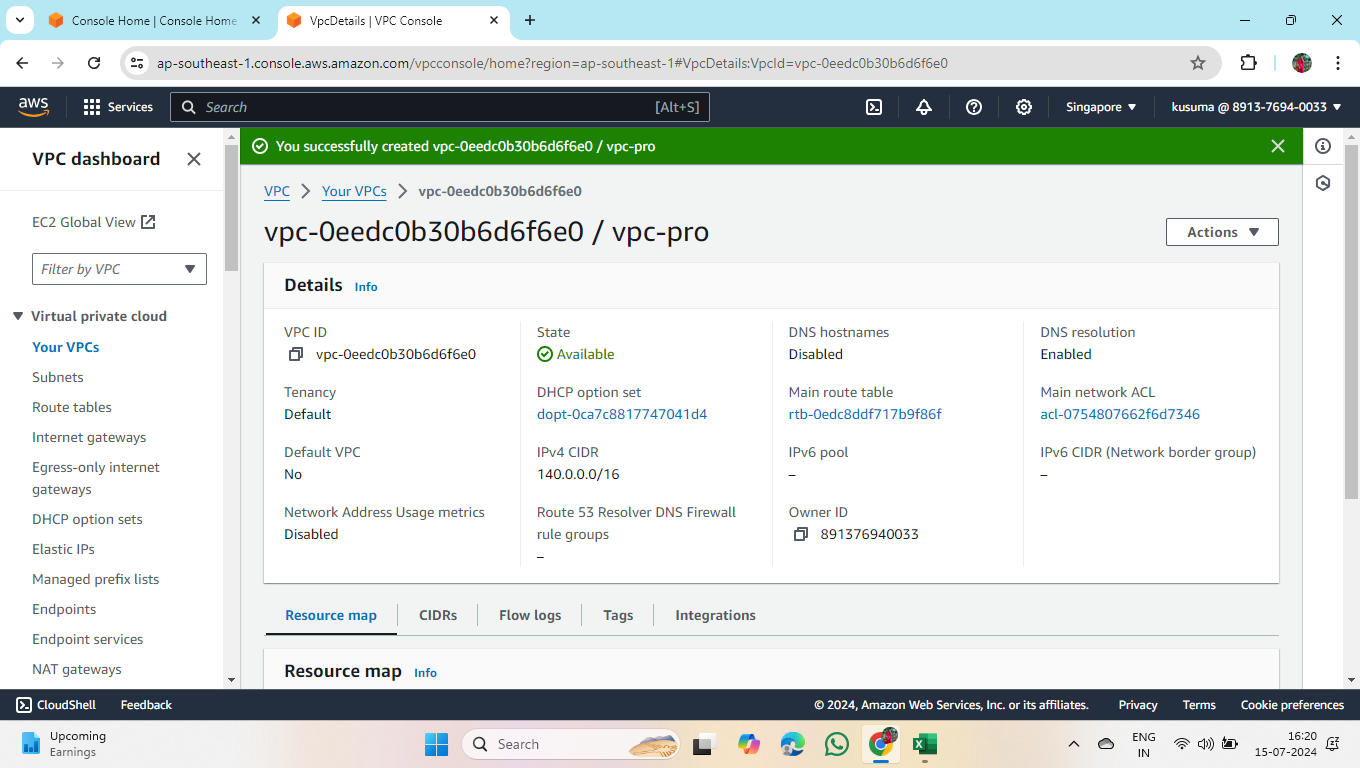
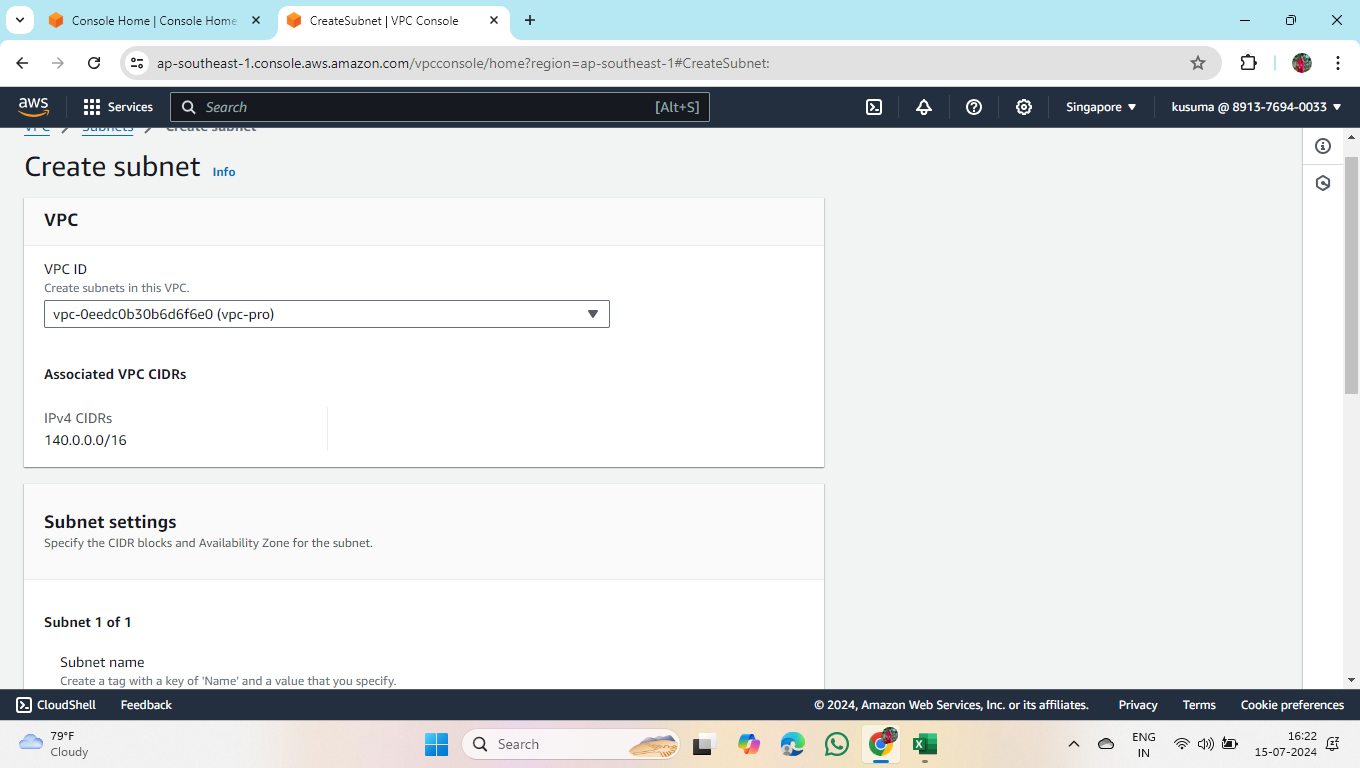
**Three Tier Architecture**

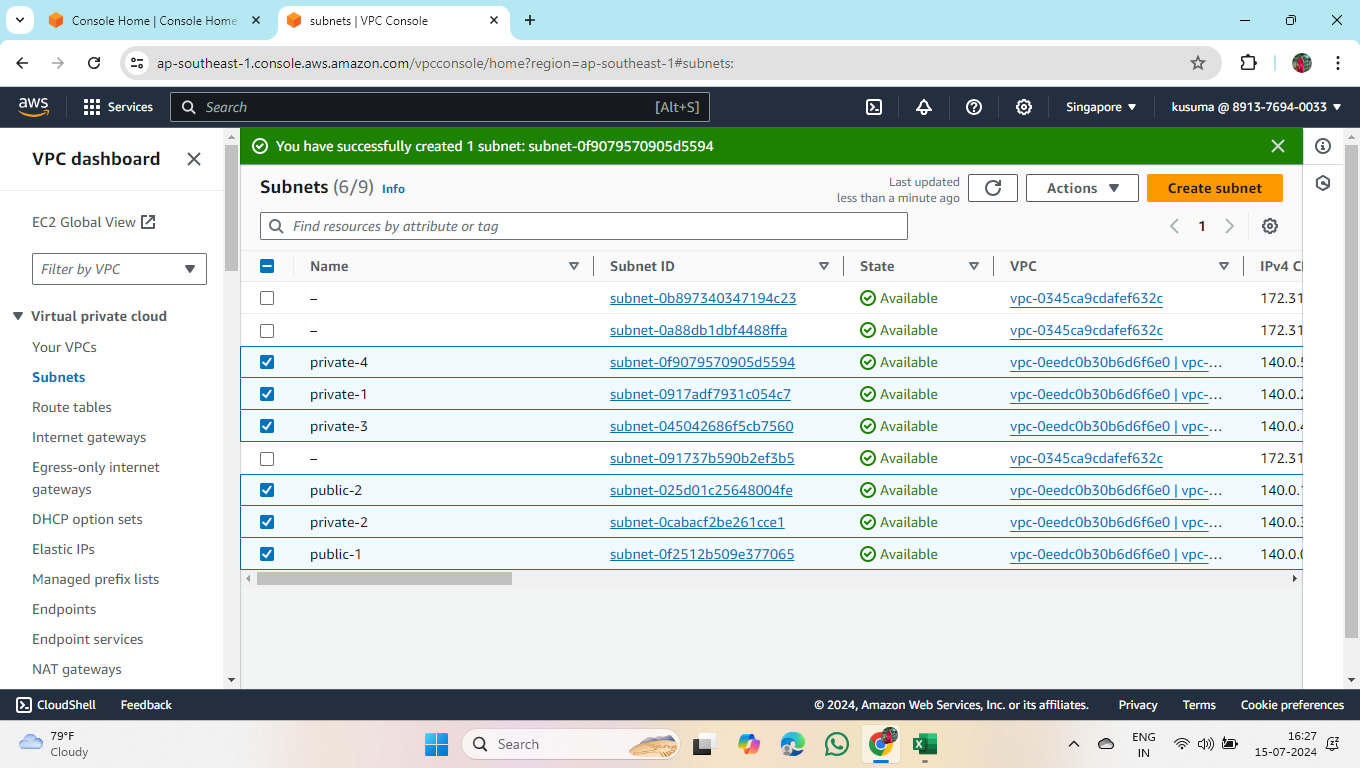
1.Create VPC



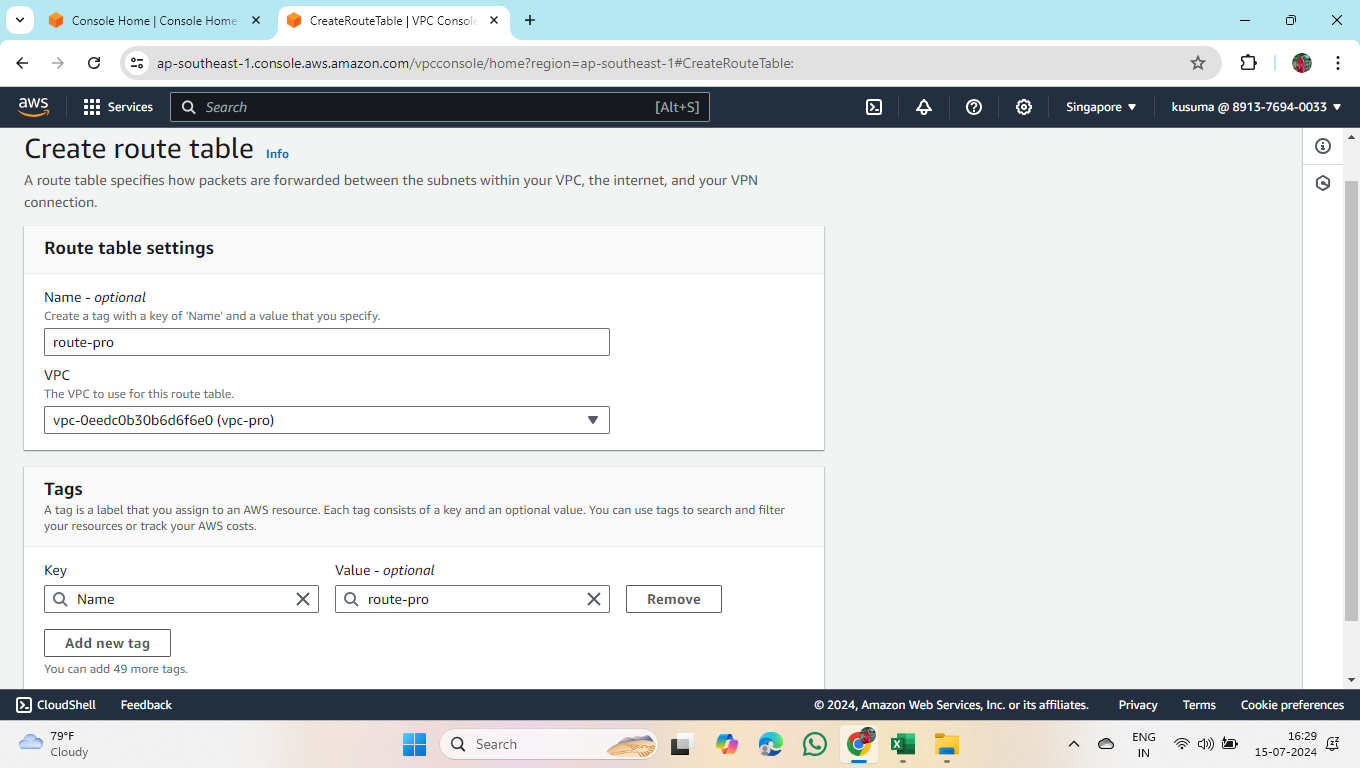


2.Create 2 public subnets and 4 private subnets in the availability zones.

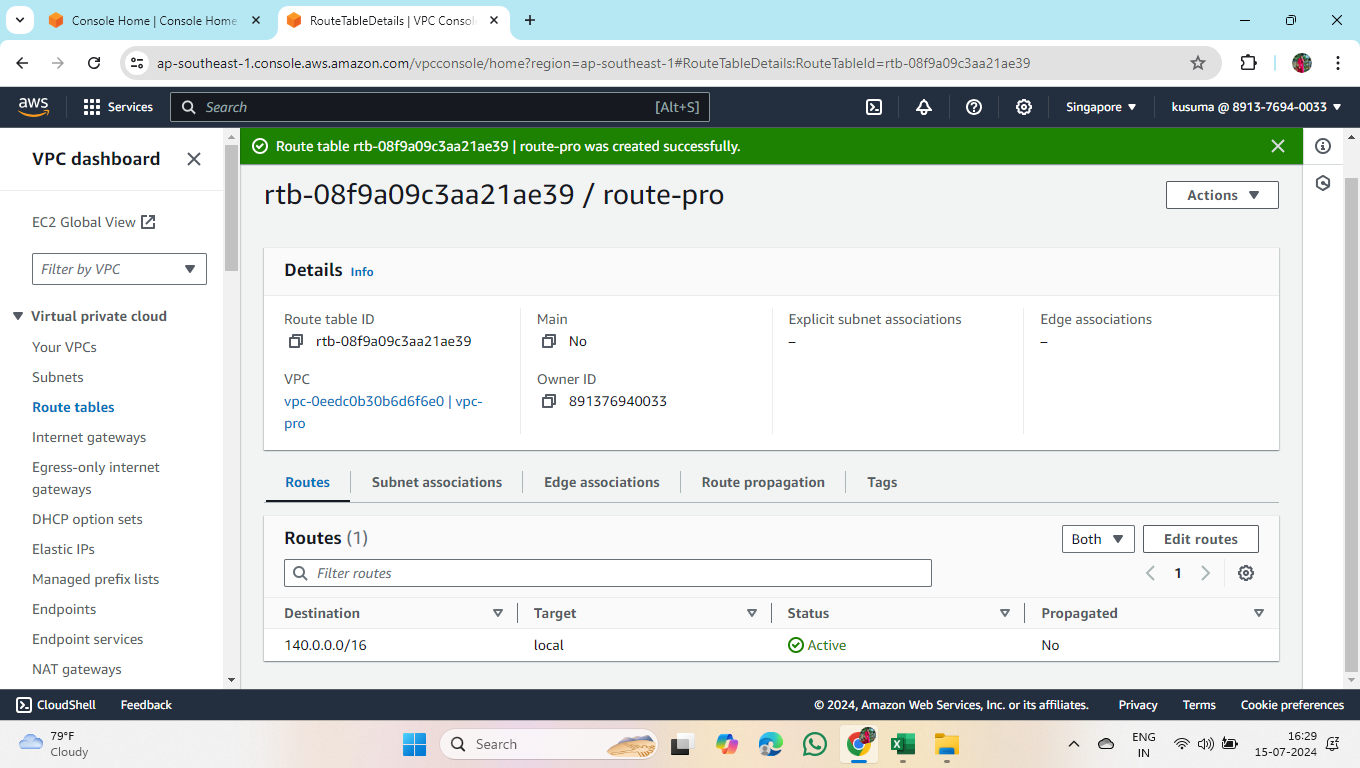


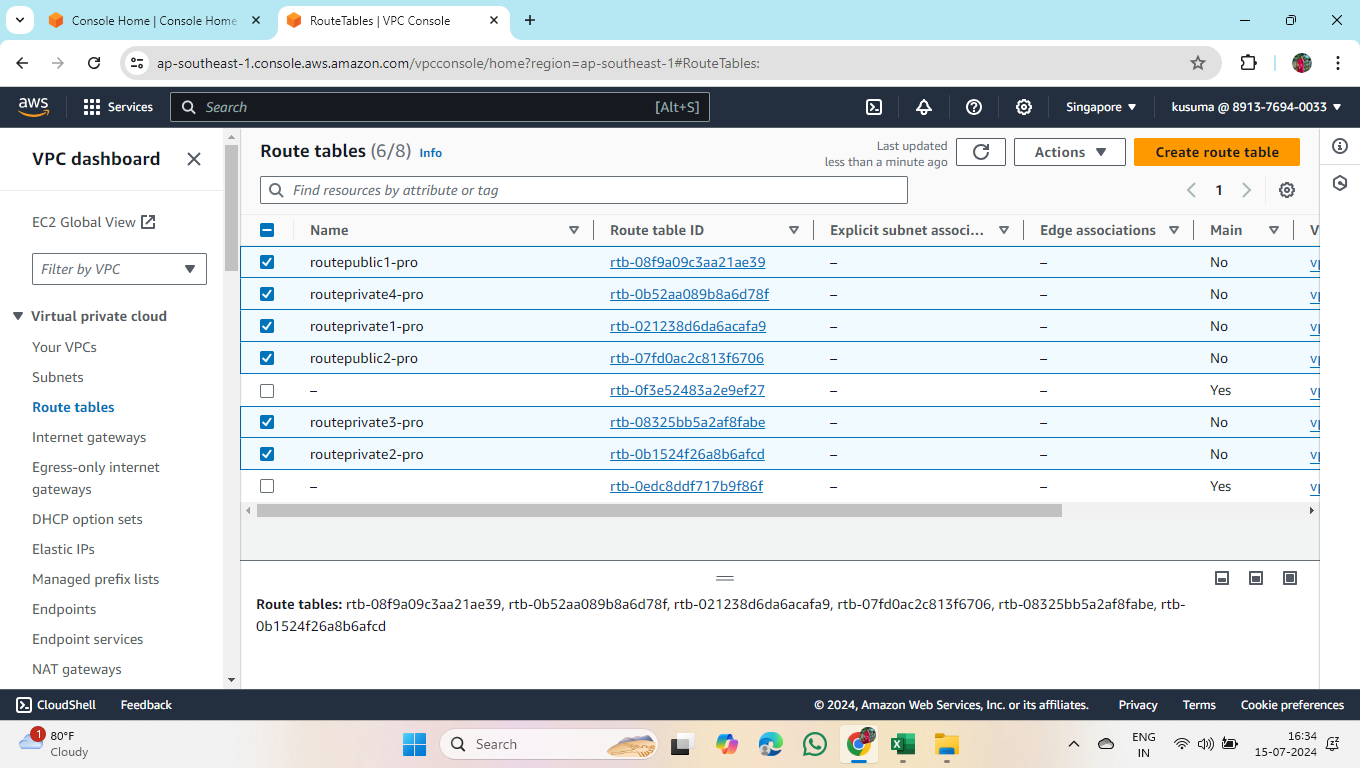


3.Create 6 route tables for respective 6 subnets.

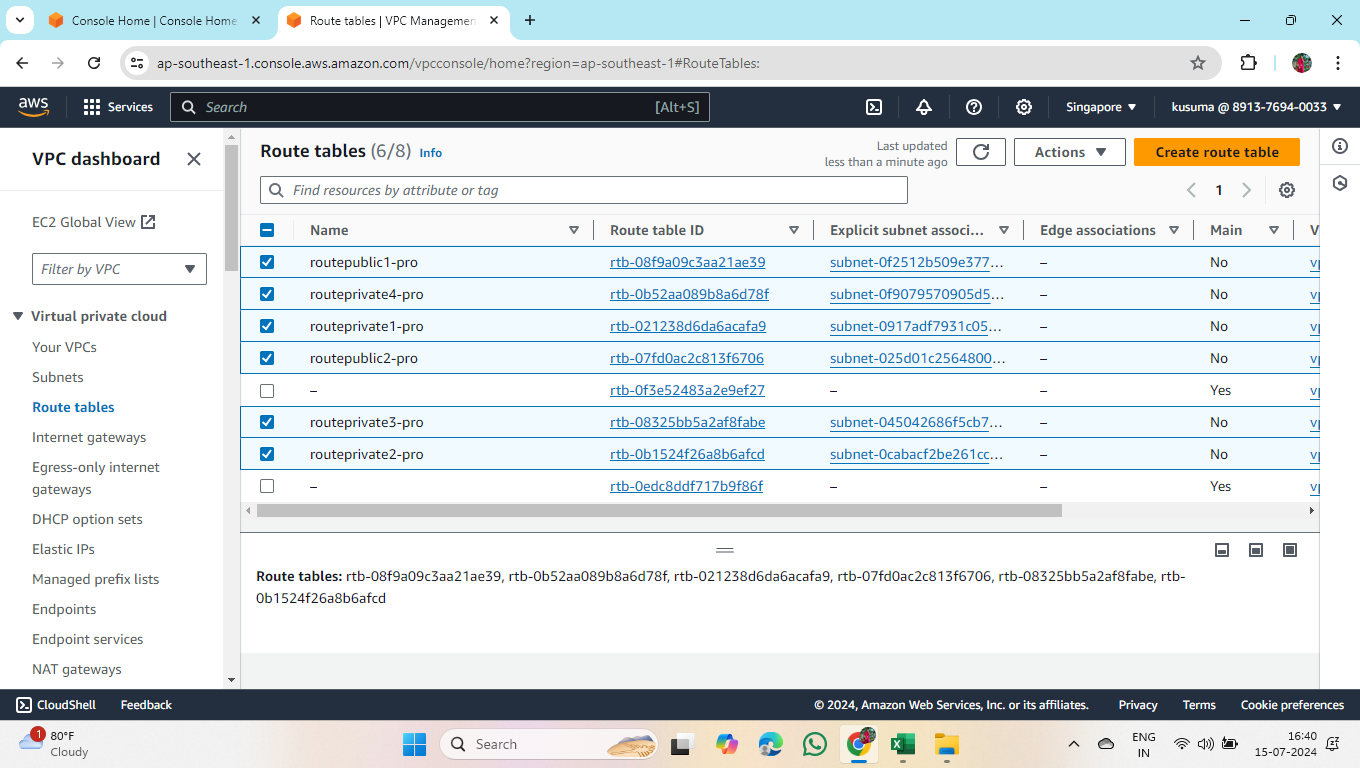


* Follow the same for remaining 5 route tables.

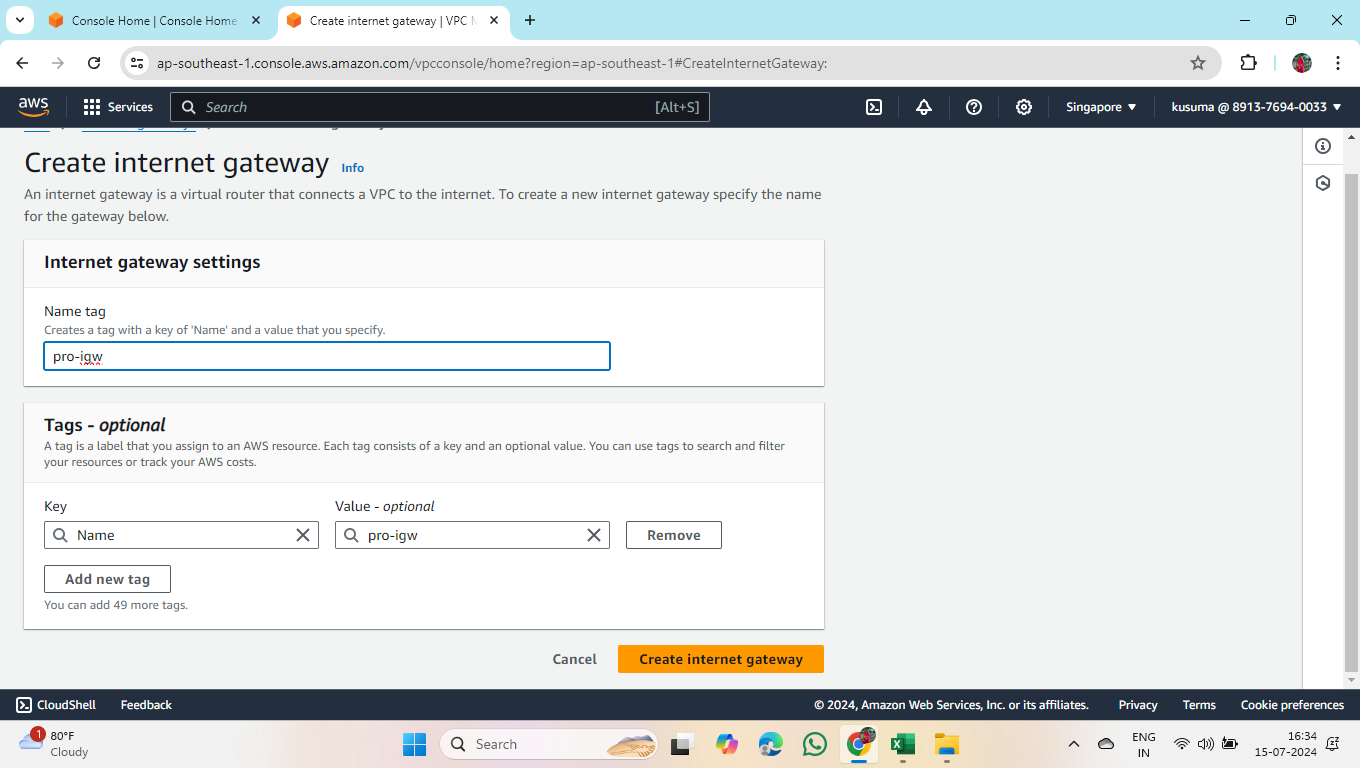


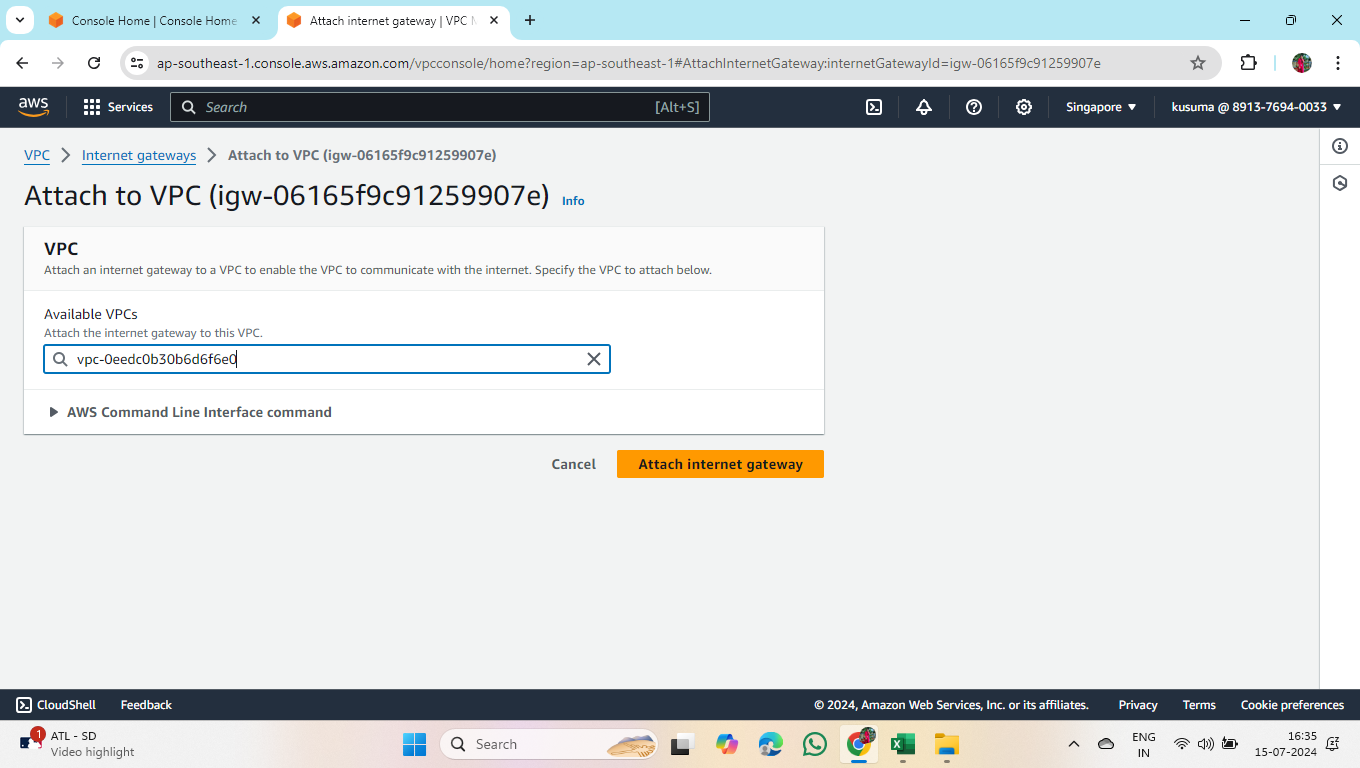


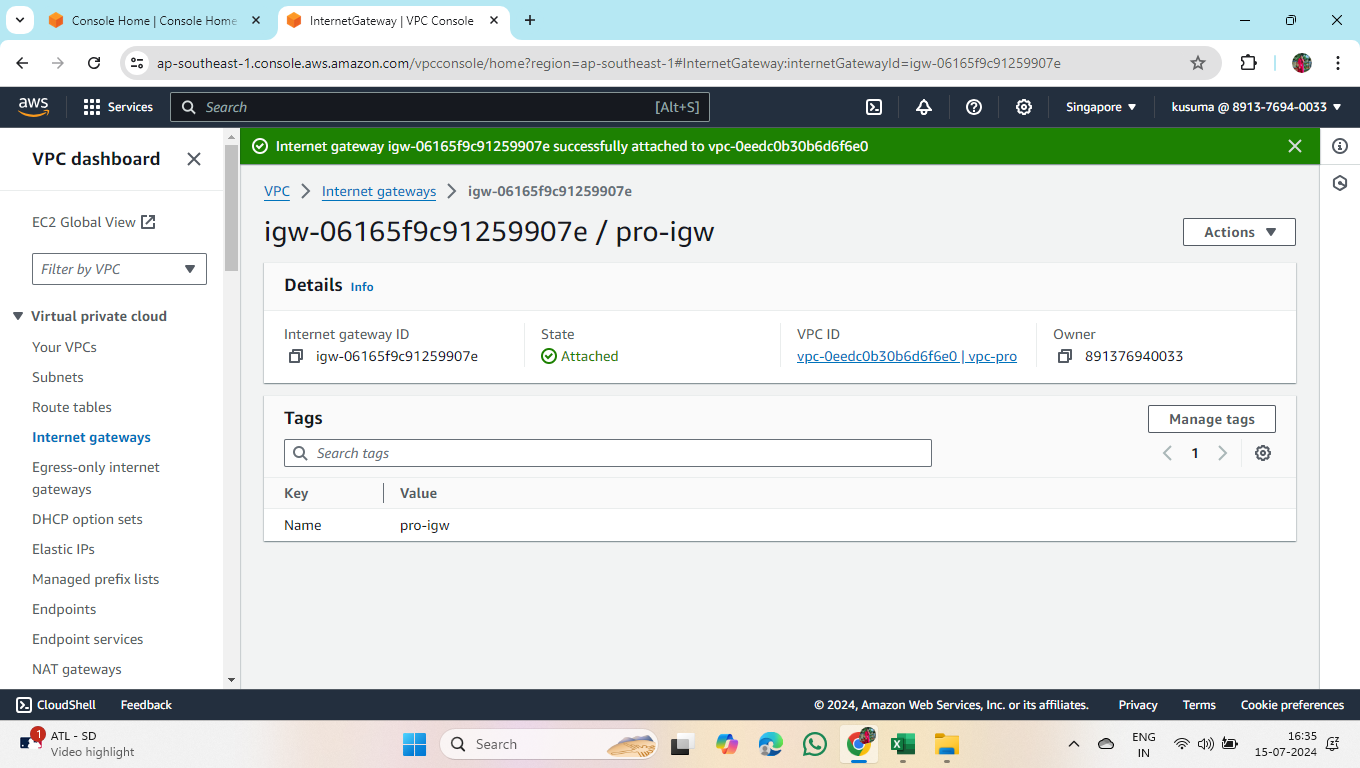
4.Select required route table to subnet and save associations in all the route tables.



5.Create Internet Gateway and attach it to vpc.

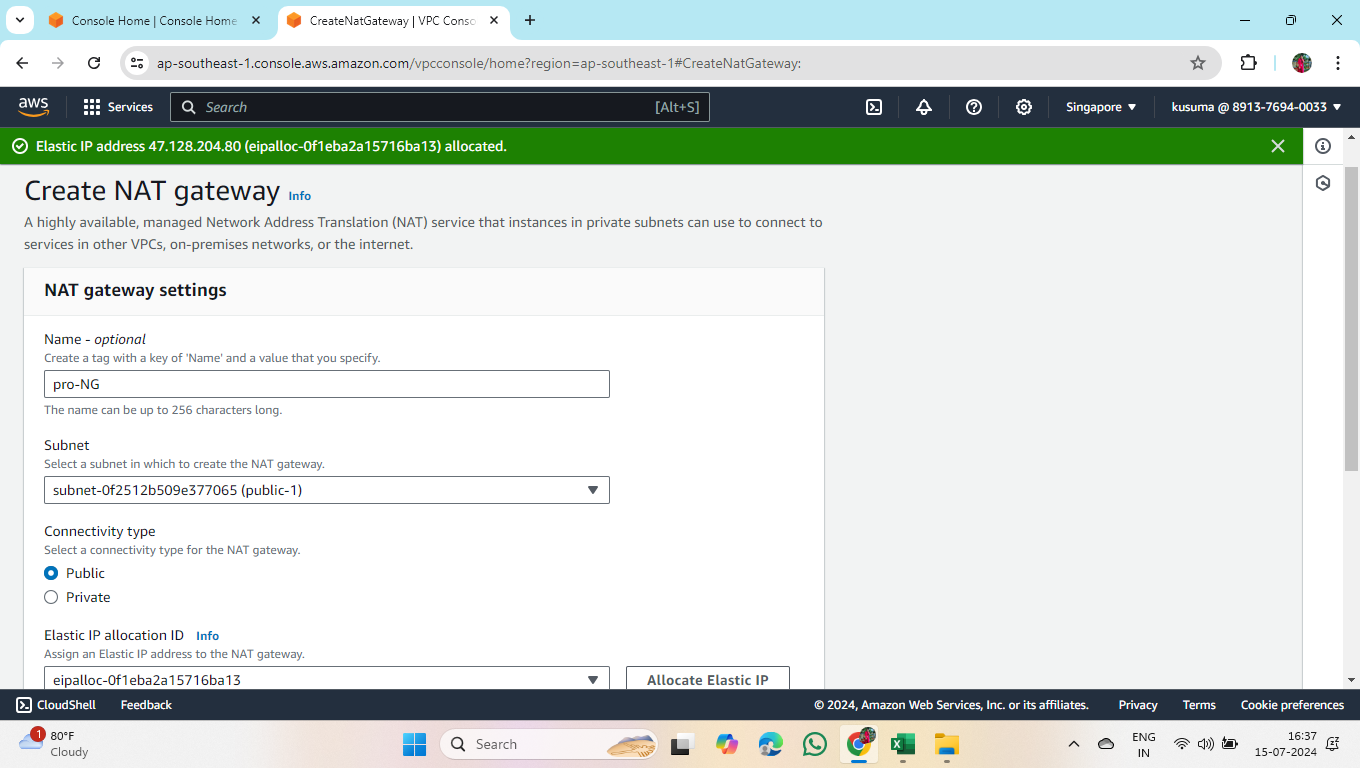


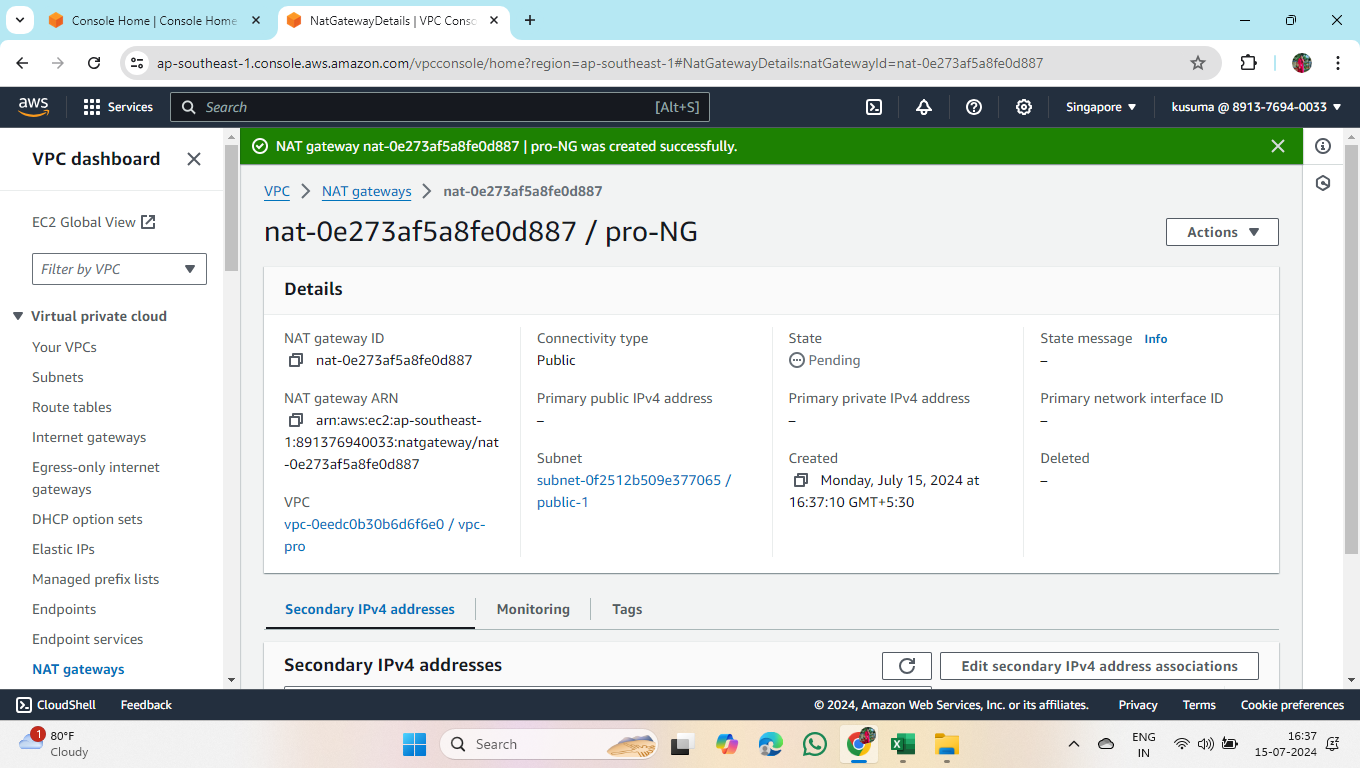




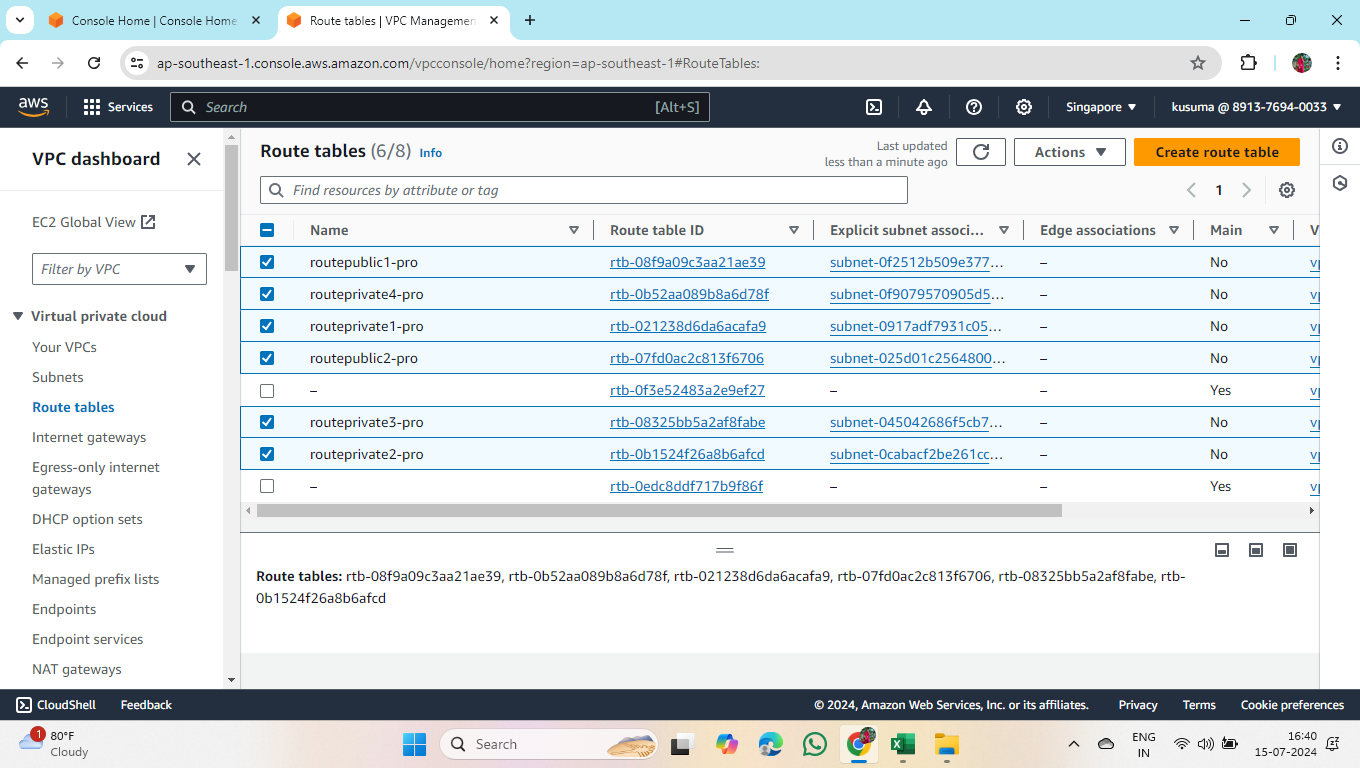
* Attach Internet Gateway to 2 public route tables.

6.Create NAT Gateway and attach it to public subnet.



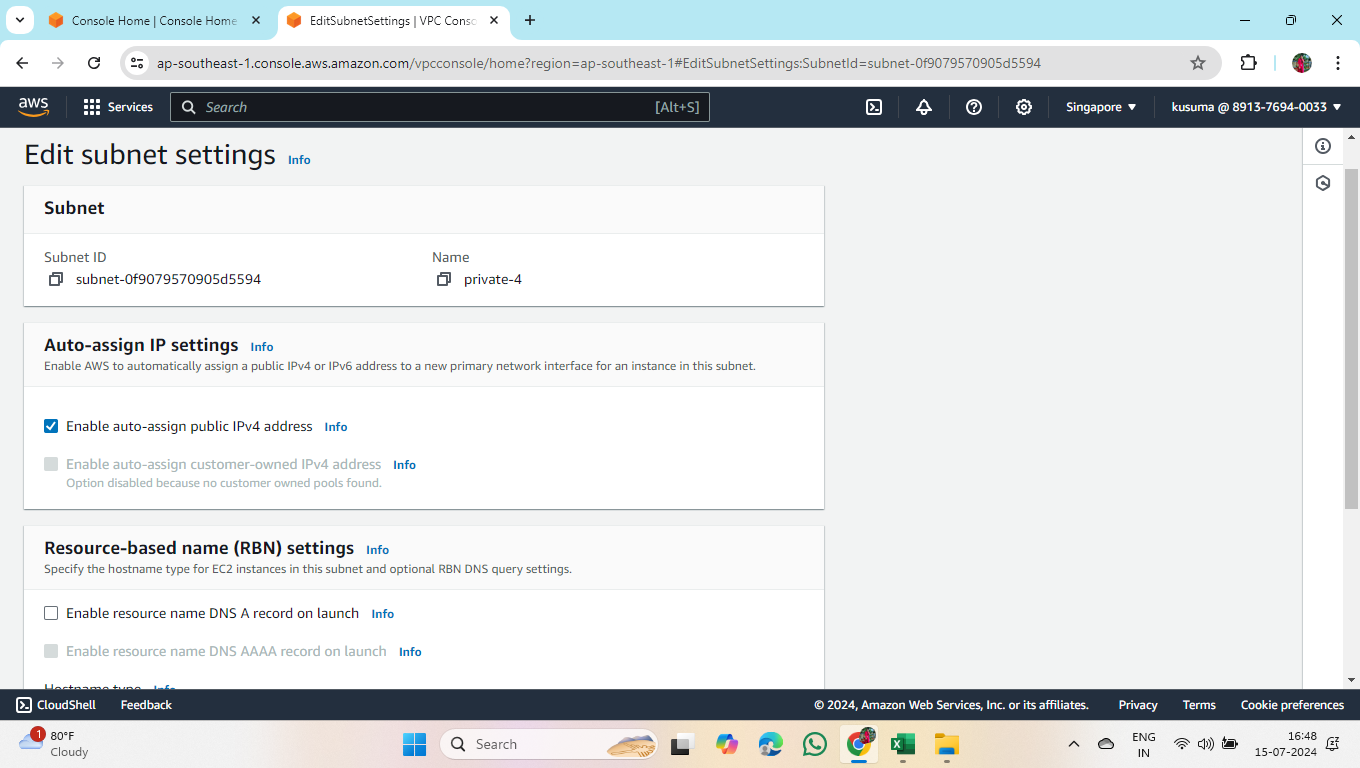


* After NAT Gateway is created, open private route table -> edit routes –> attach NAT Gateway.

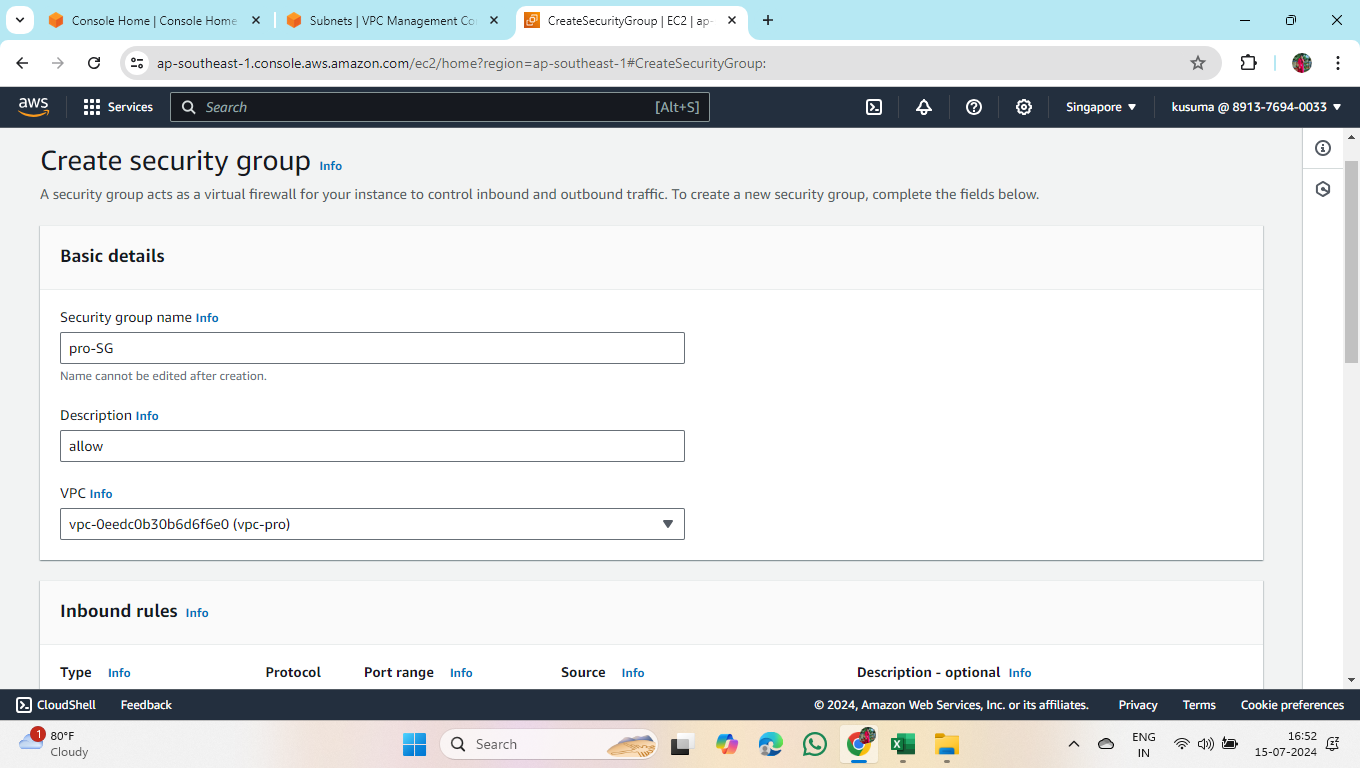


7.Go to Subnets

* Click on subnets -> edit subnet settings -> enable auto-assign IPV4 address check box and save it for all the subnets.



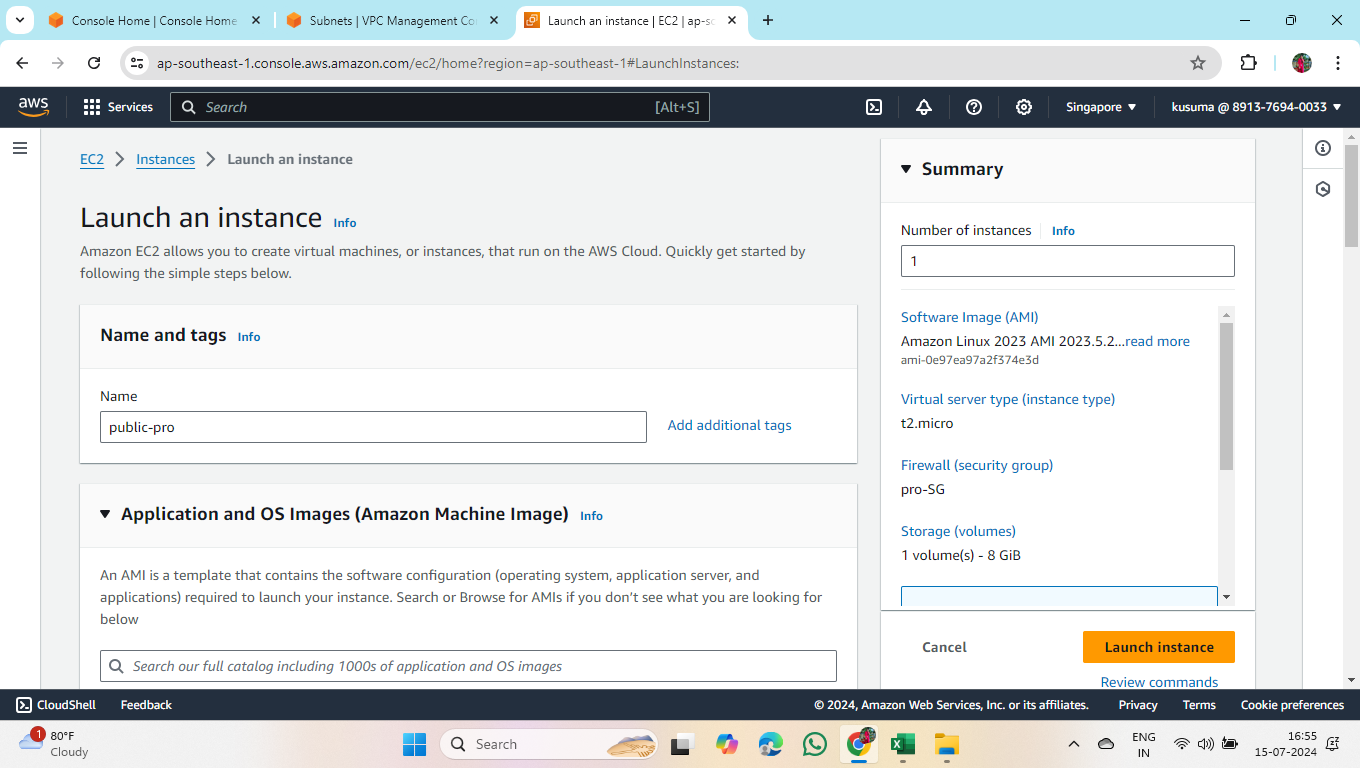
8.Create Security Group



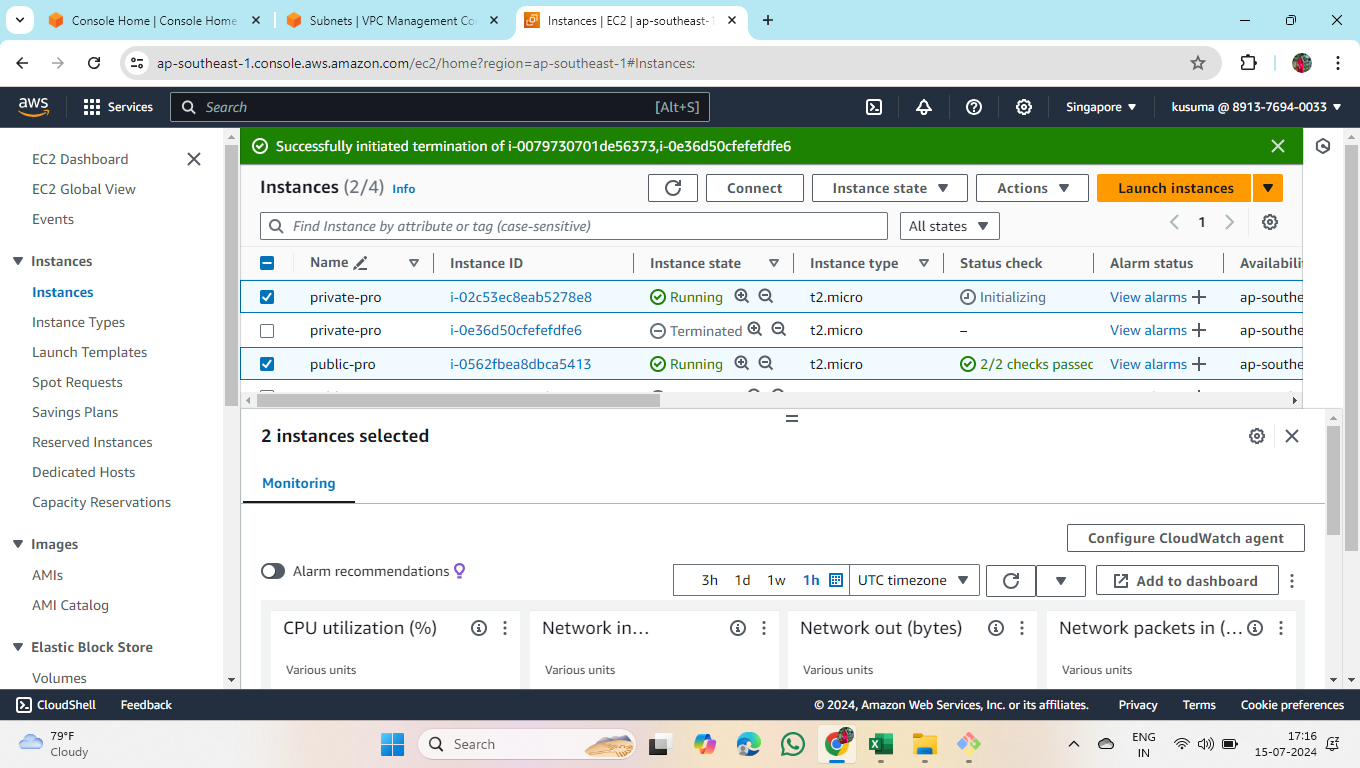


9. Create ec2 instances

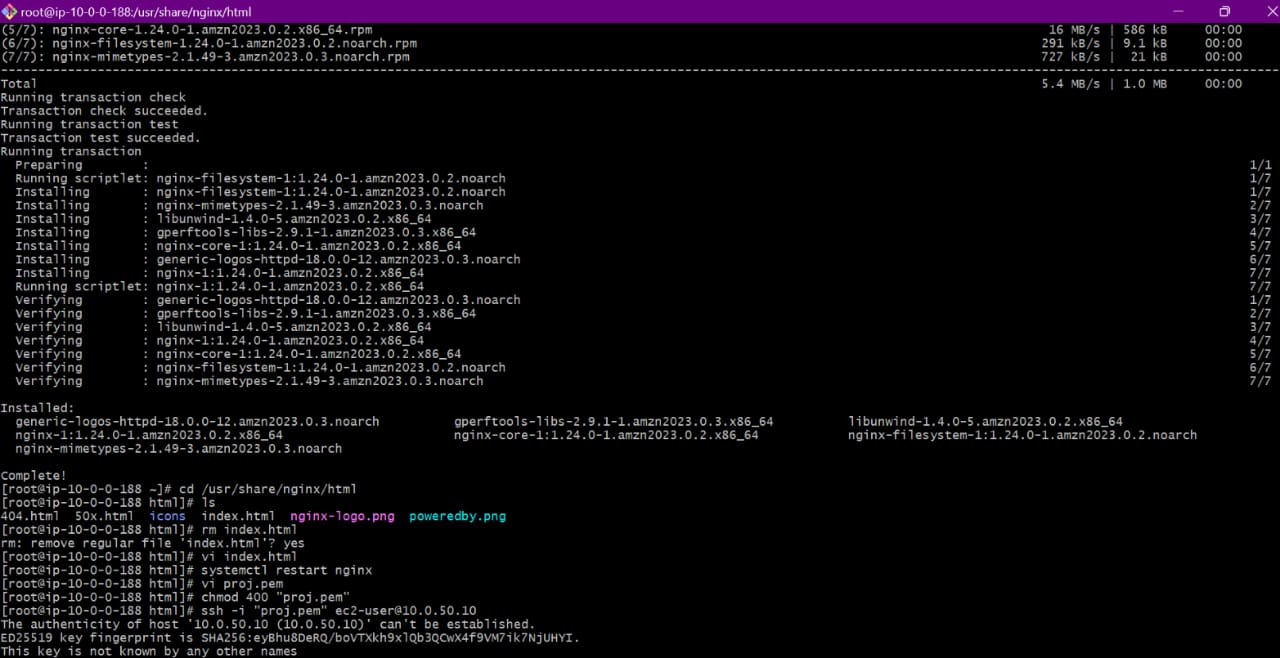
* Create two instances (i.e public ec2 and private ec2)



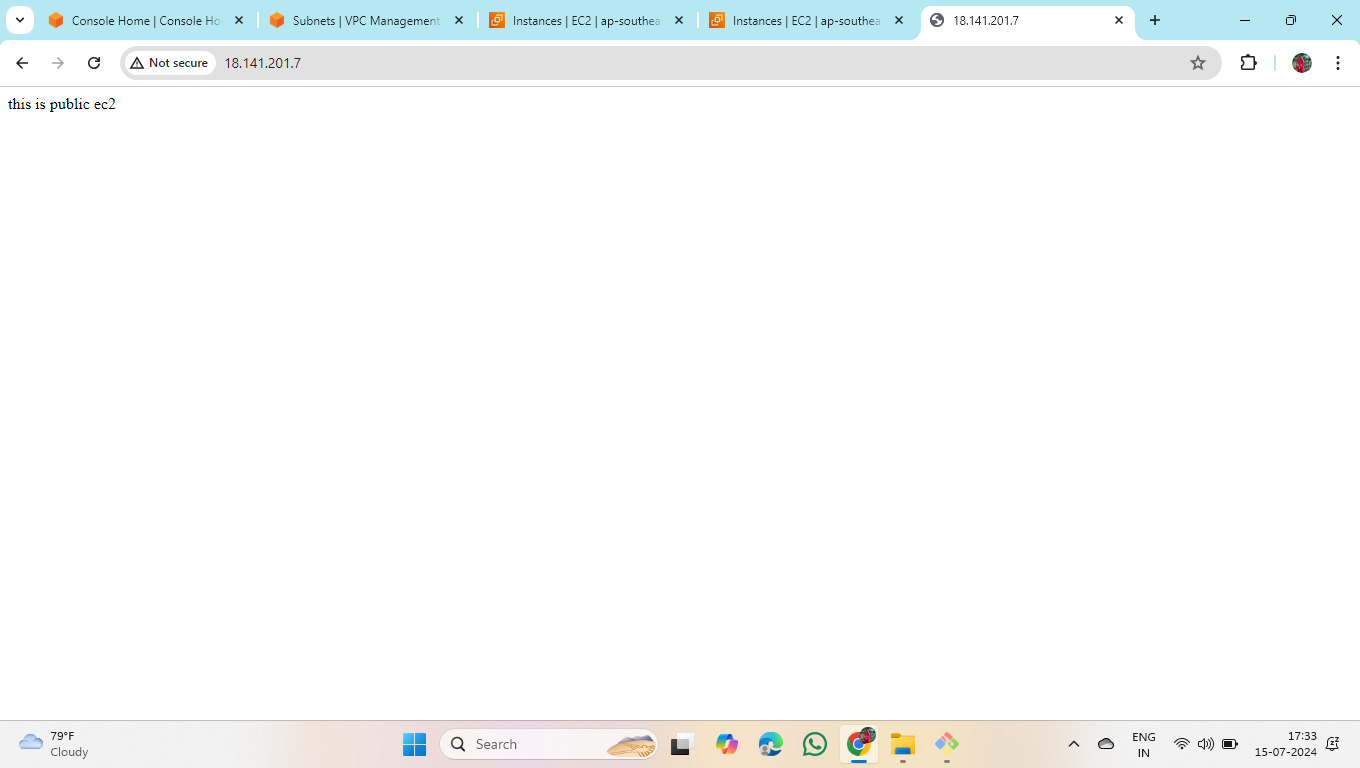
* Similarly for private instance also.



10.Connect EC2 to server

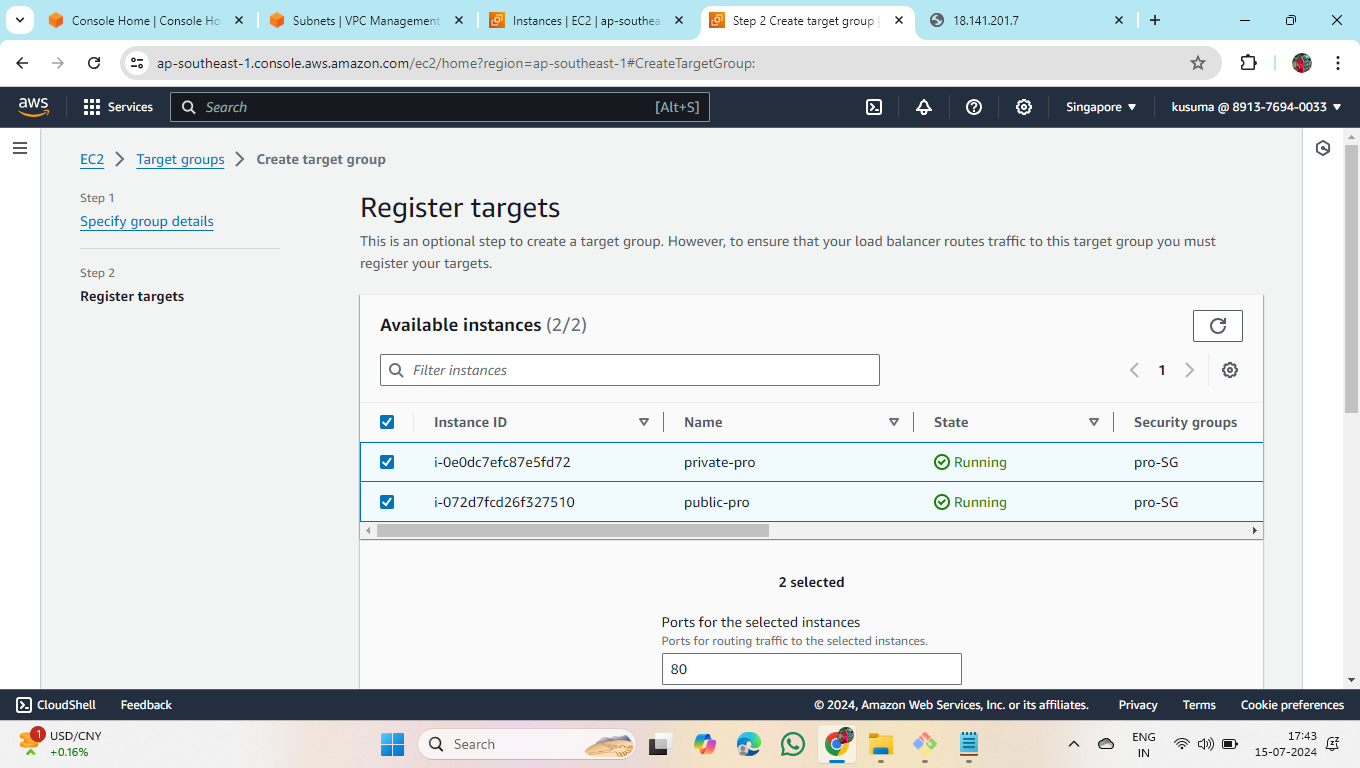


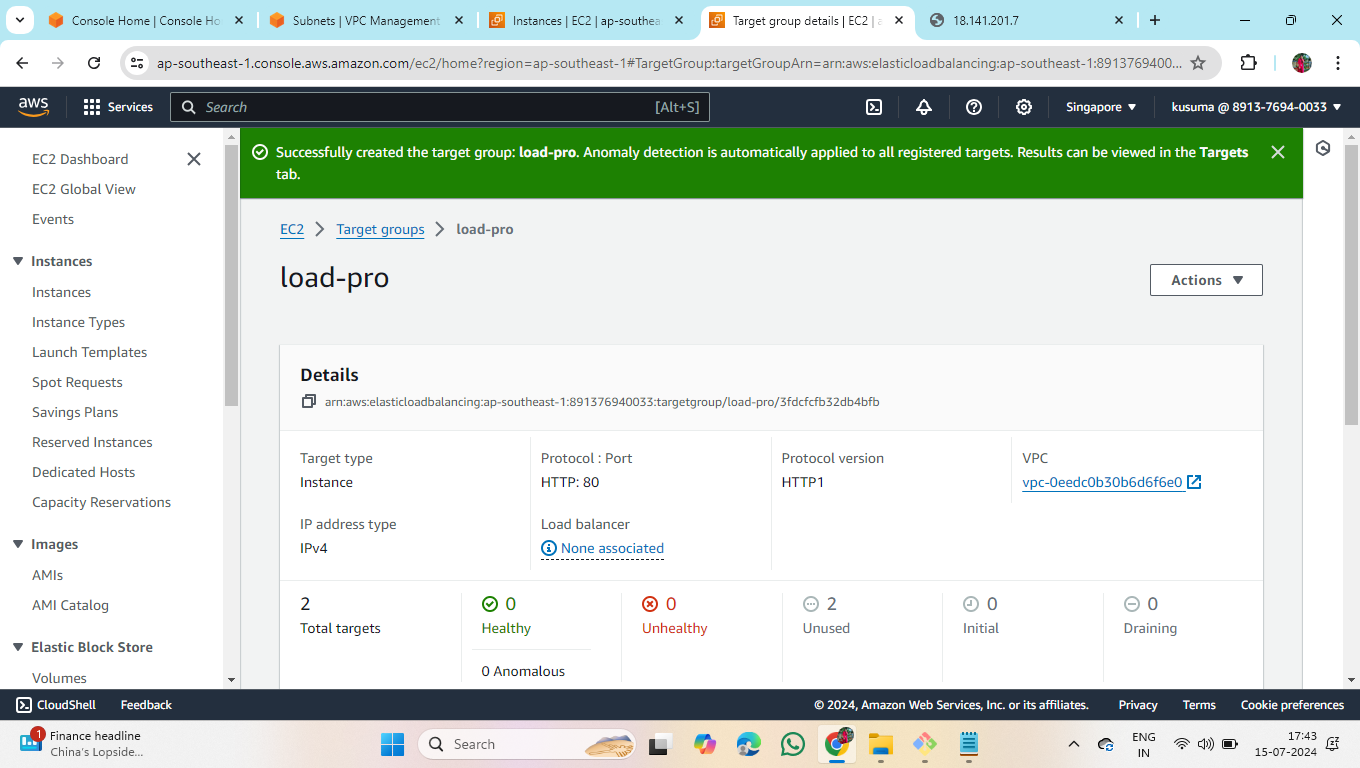
* This is how the webpage shows



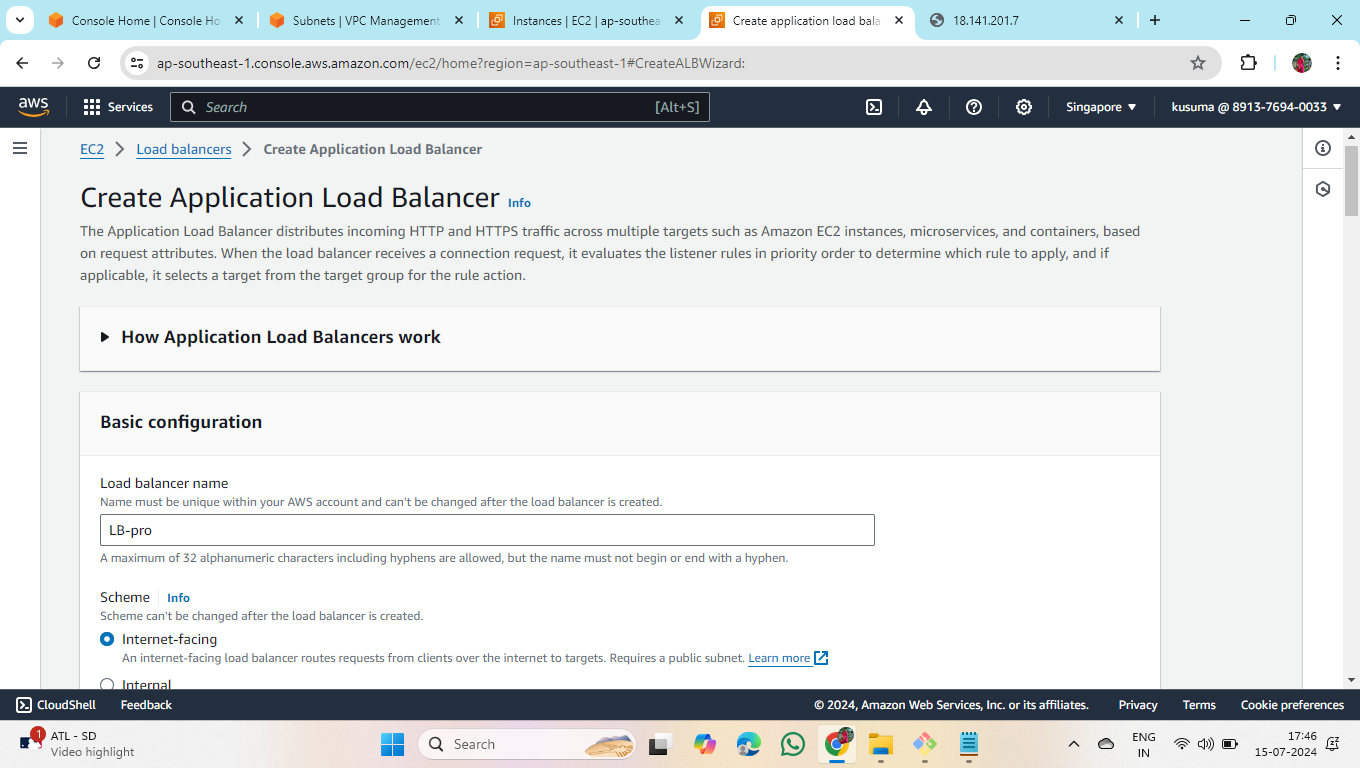
11. Create Load Balancer

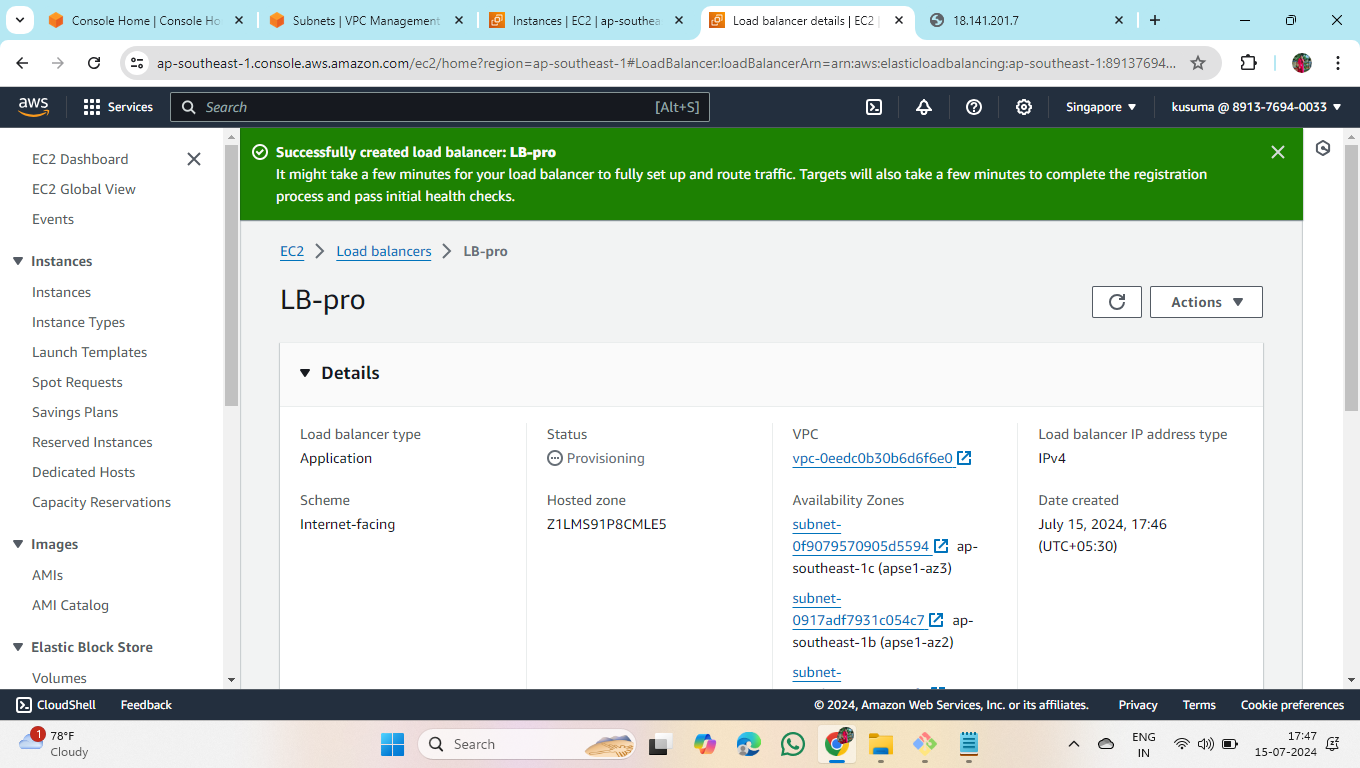
* To create load balancer, first we have to create target group



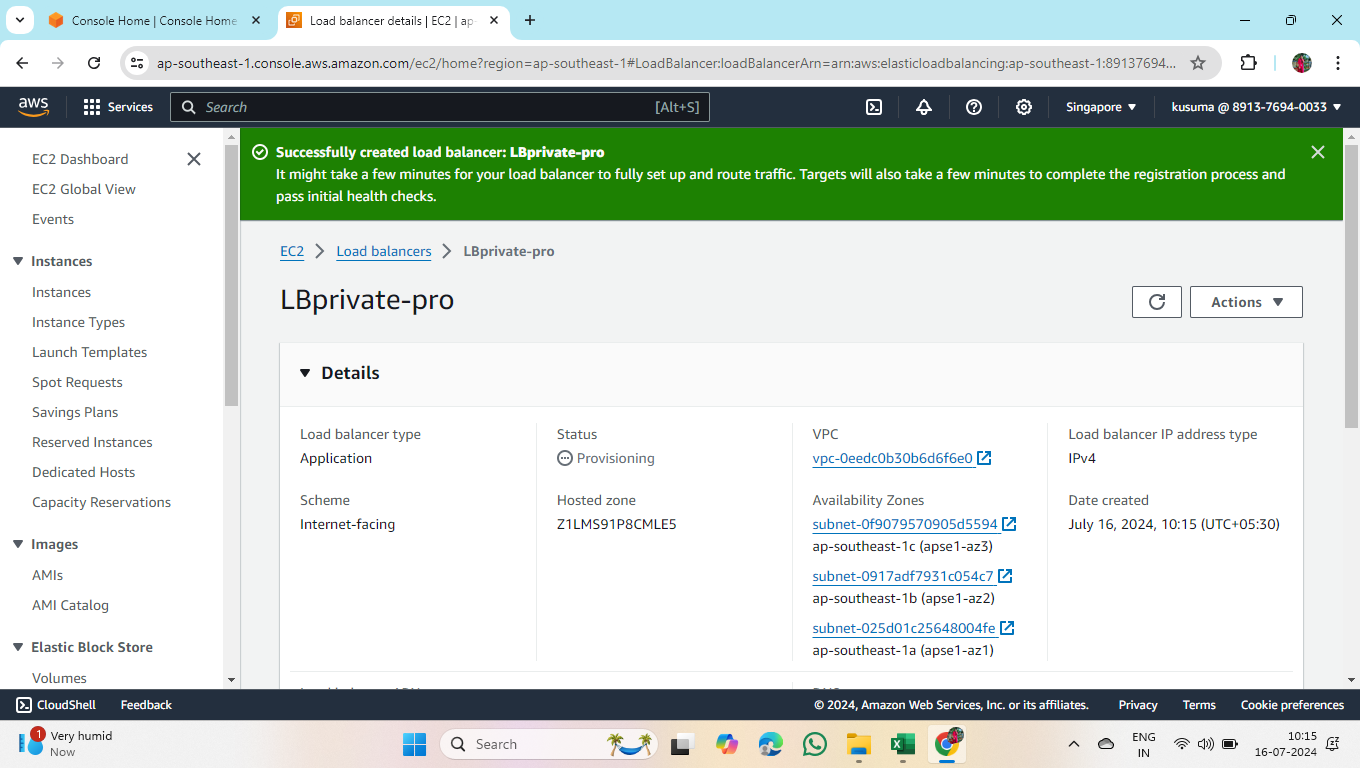


Create Load Balancer

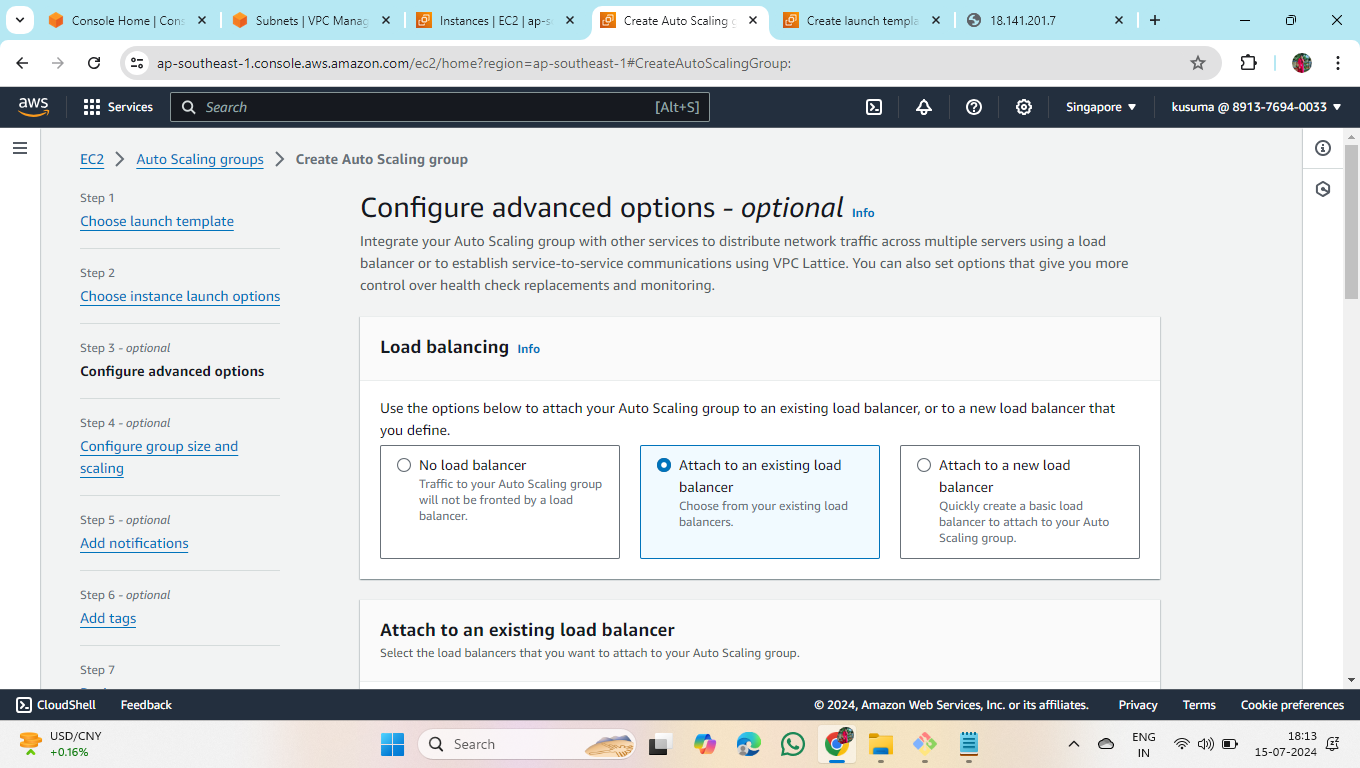


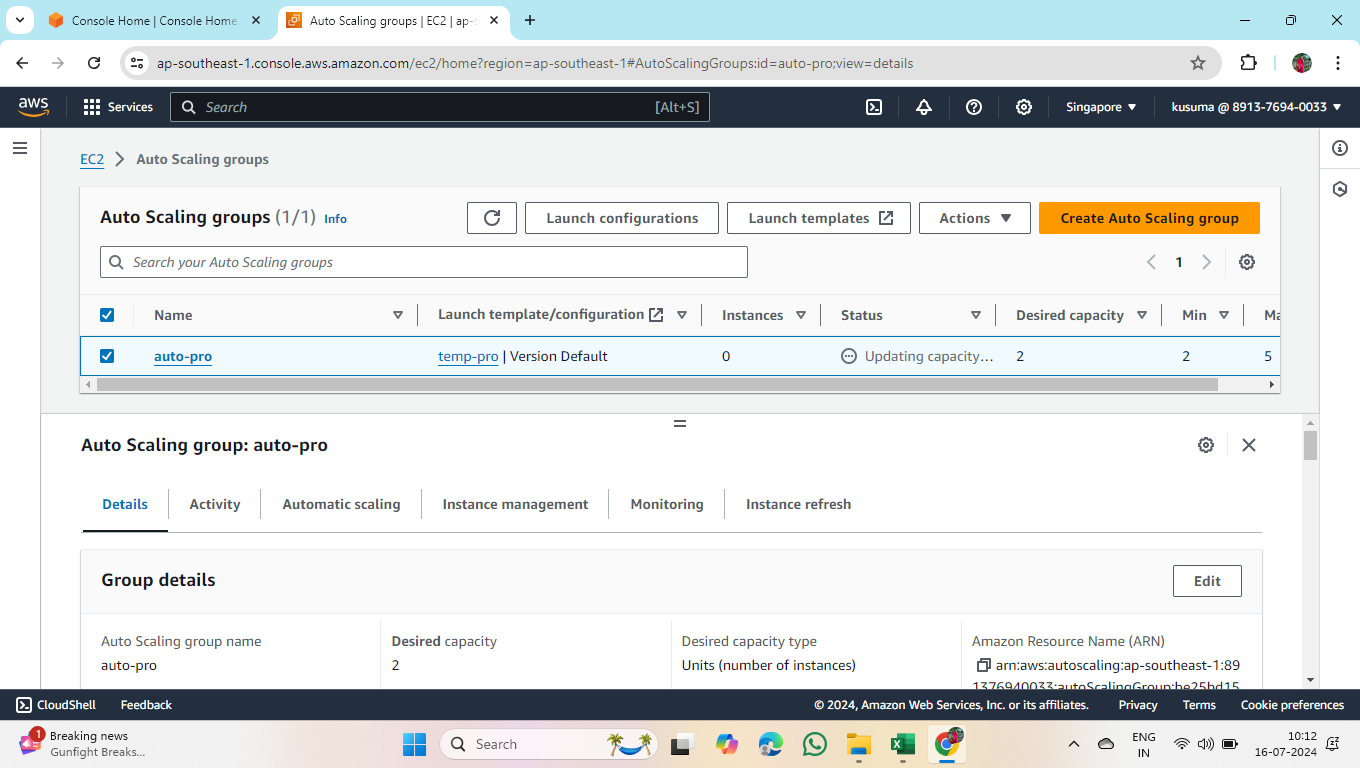


* Create another Load Balancer for private instance

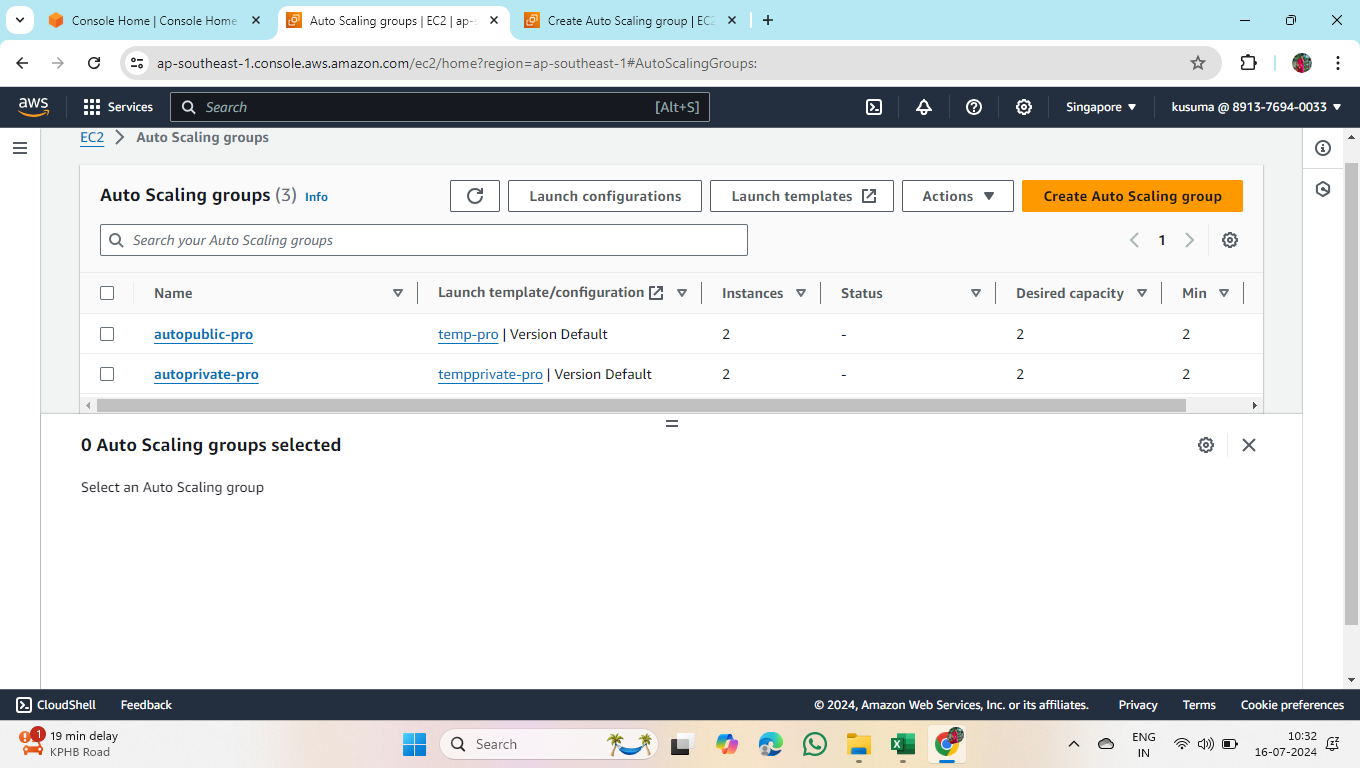


12. Create Auto Scaling group

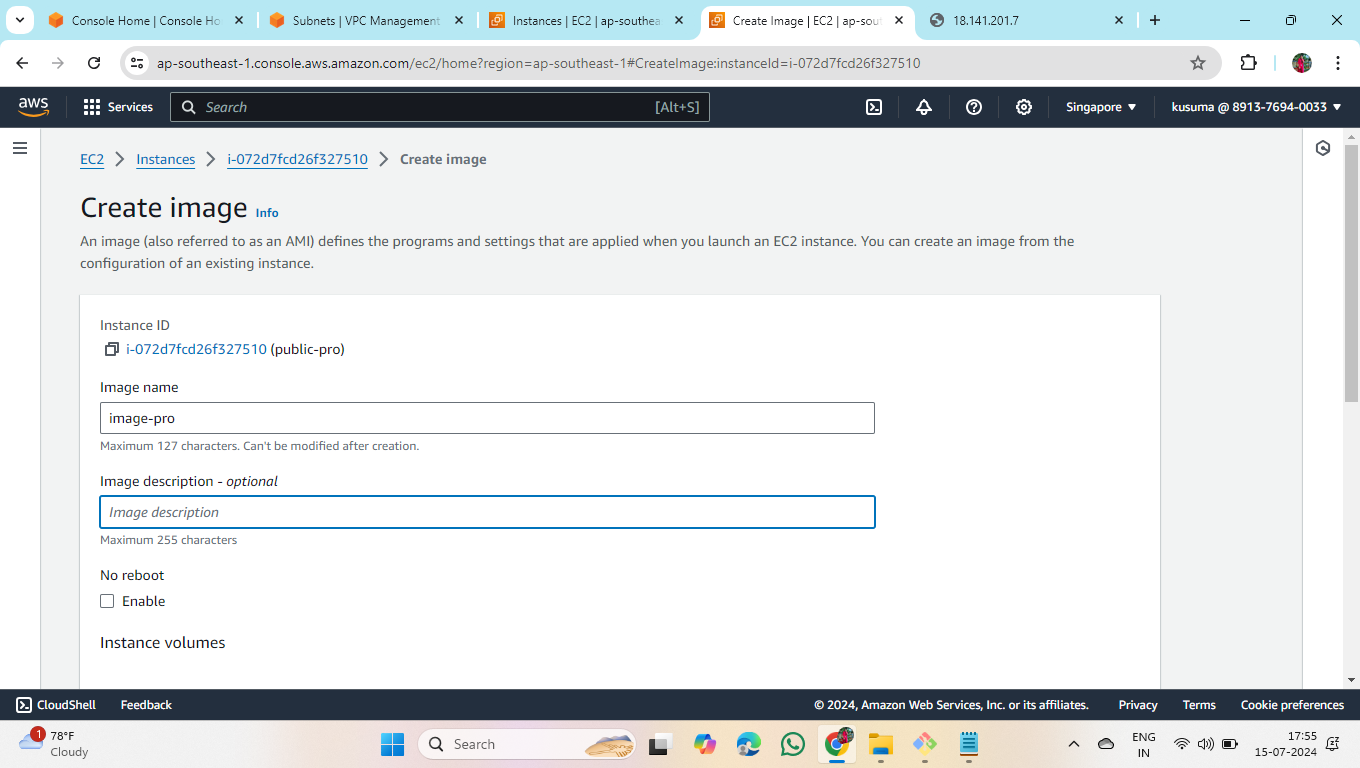




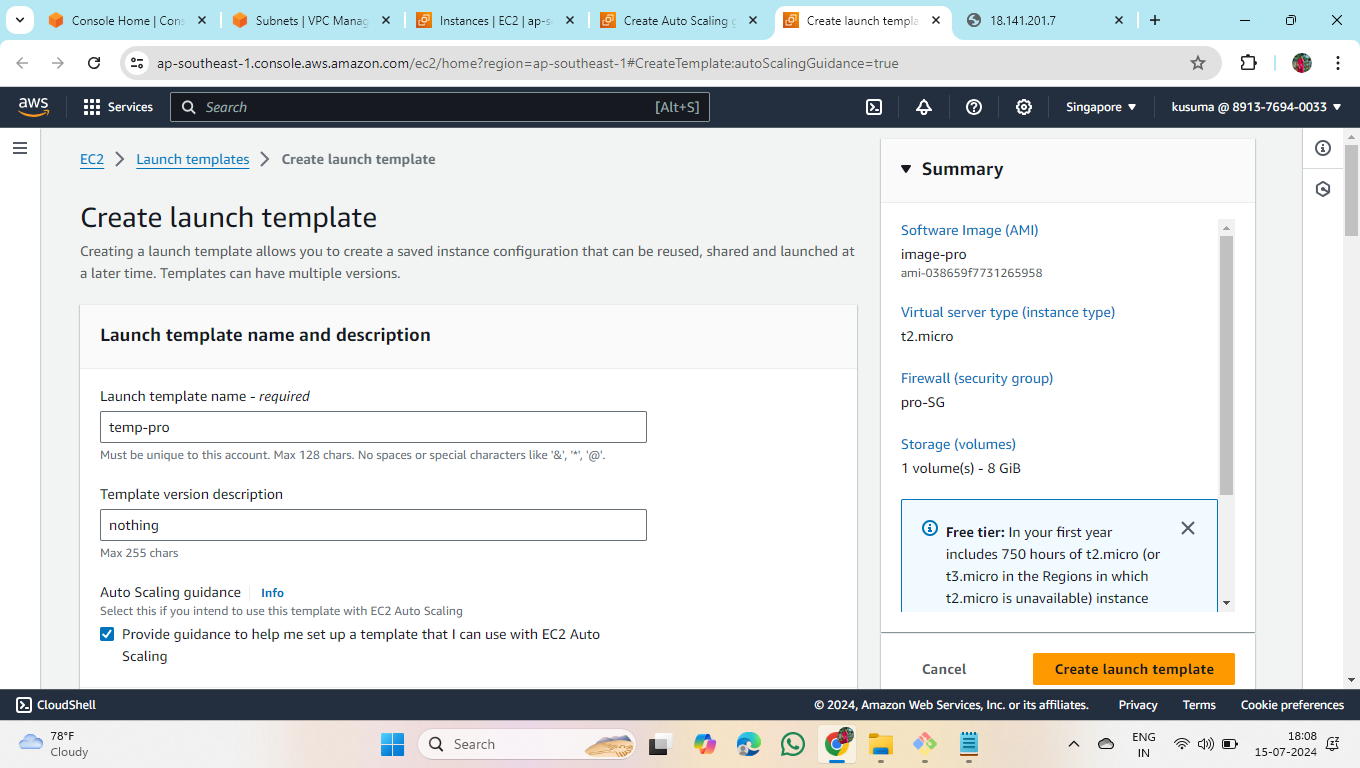
* Create 2 auto scaling groups one for public instance and one for private instance.

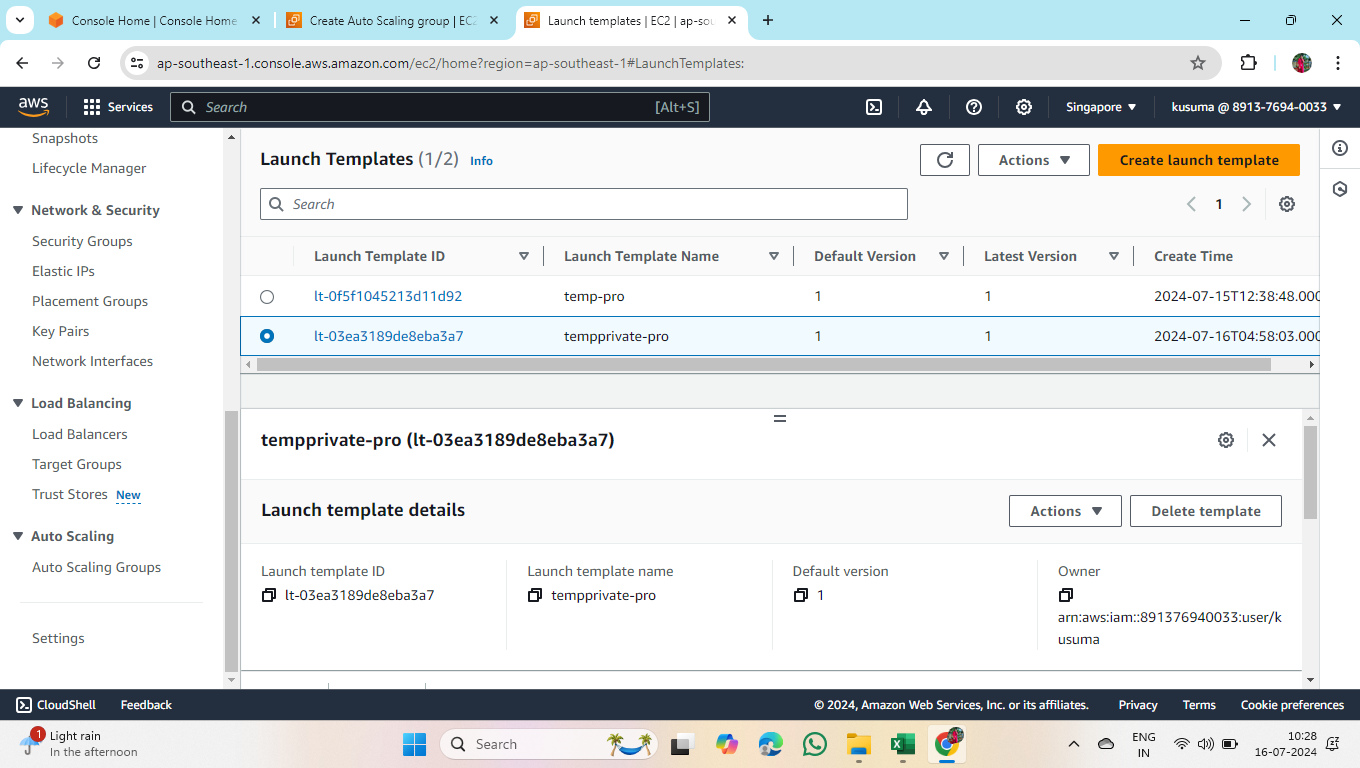


13. Create AMI separately for both public and private instances ->open the instance ->actions -> create image.



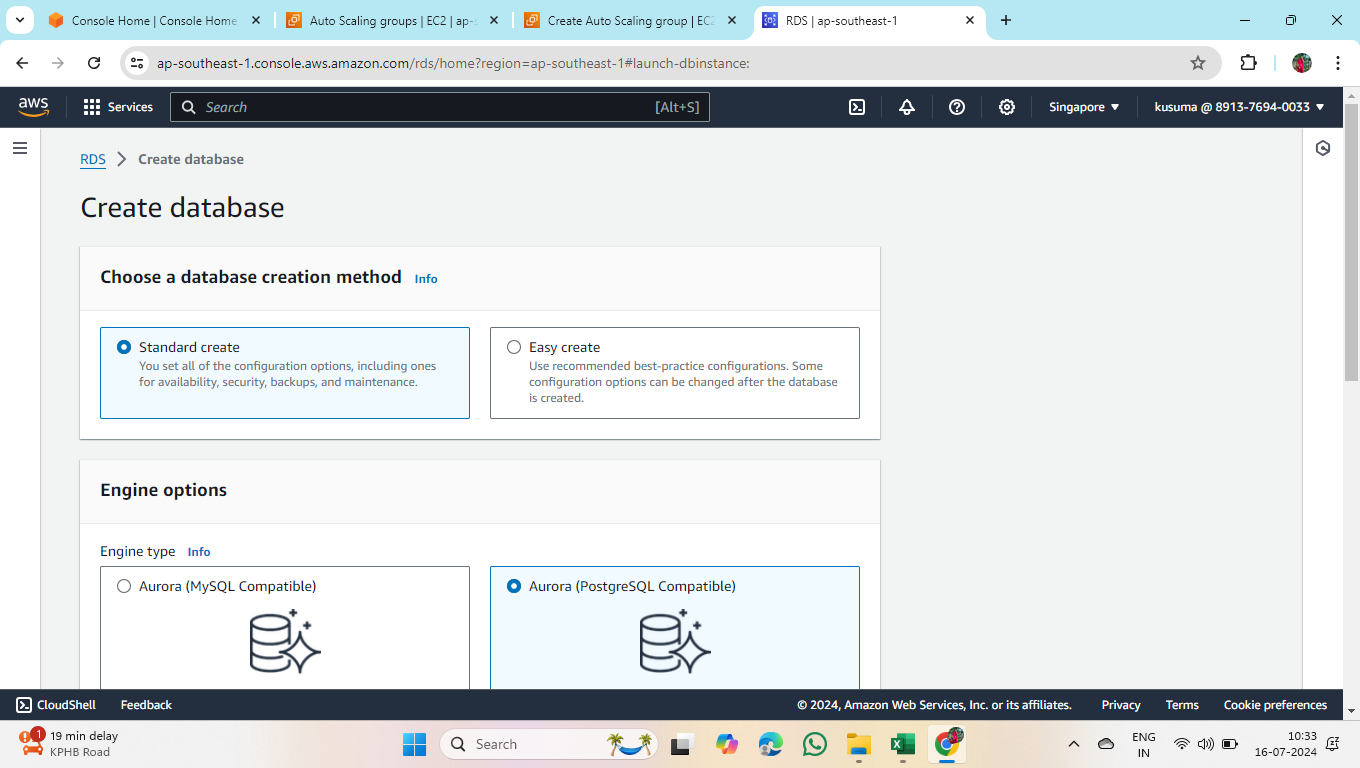
14.Create Launch Template for both public and private instance.

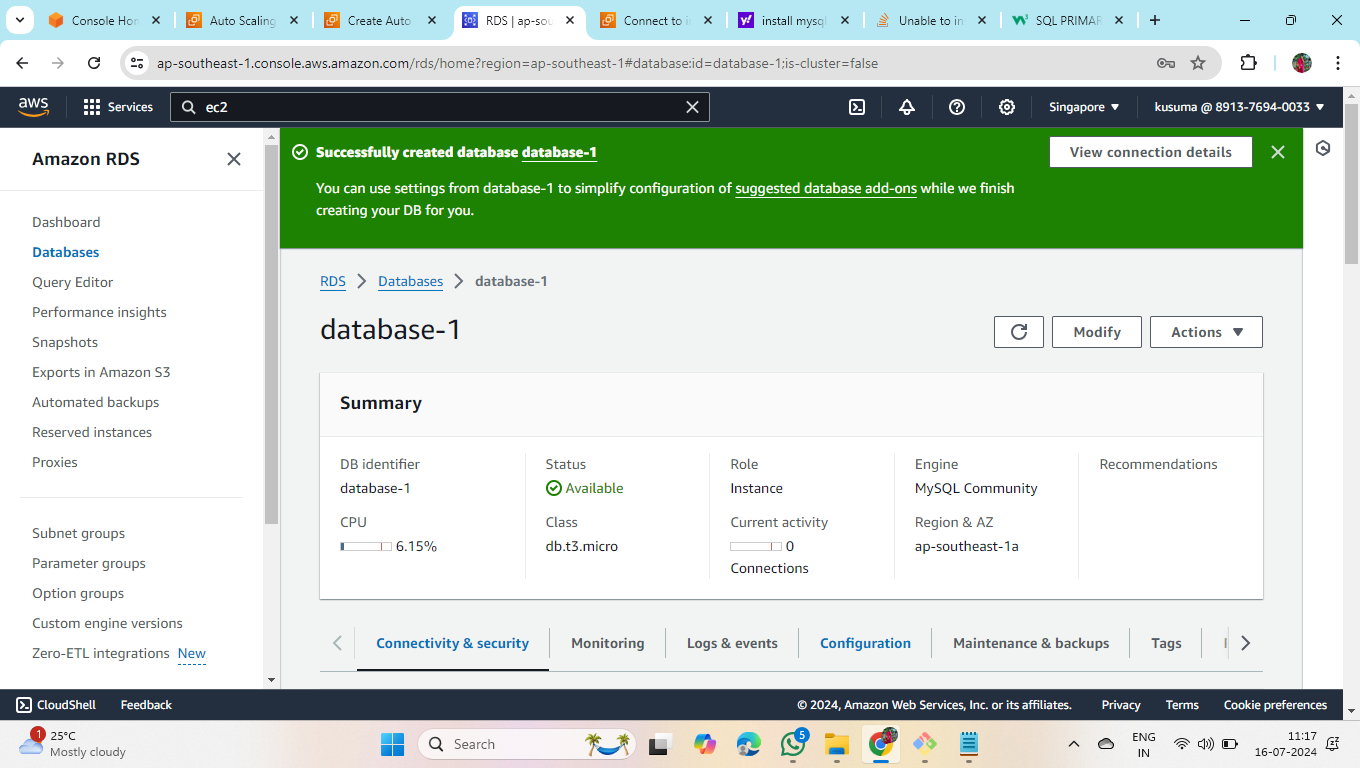




15.Create RDS

* First create database





* Install Mysql

