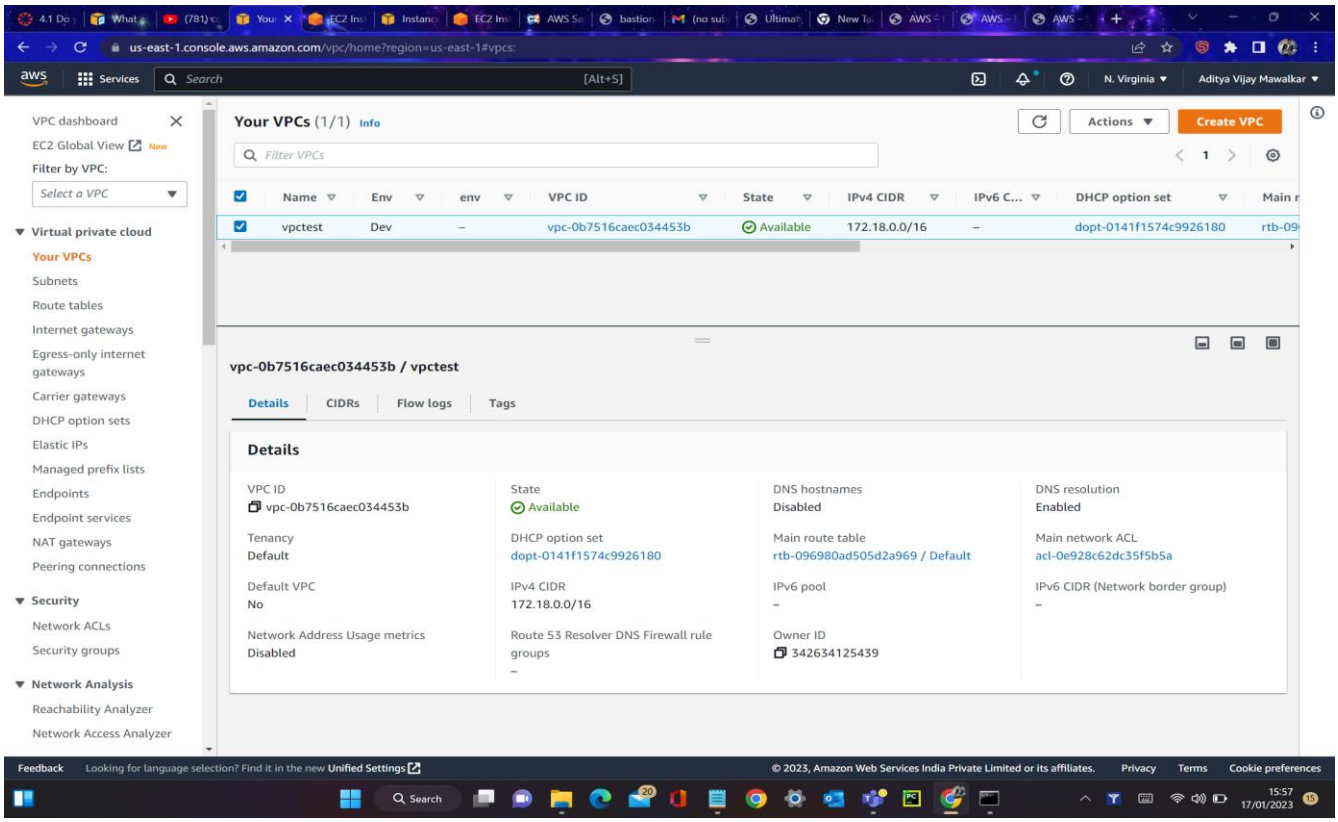
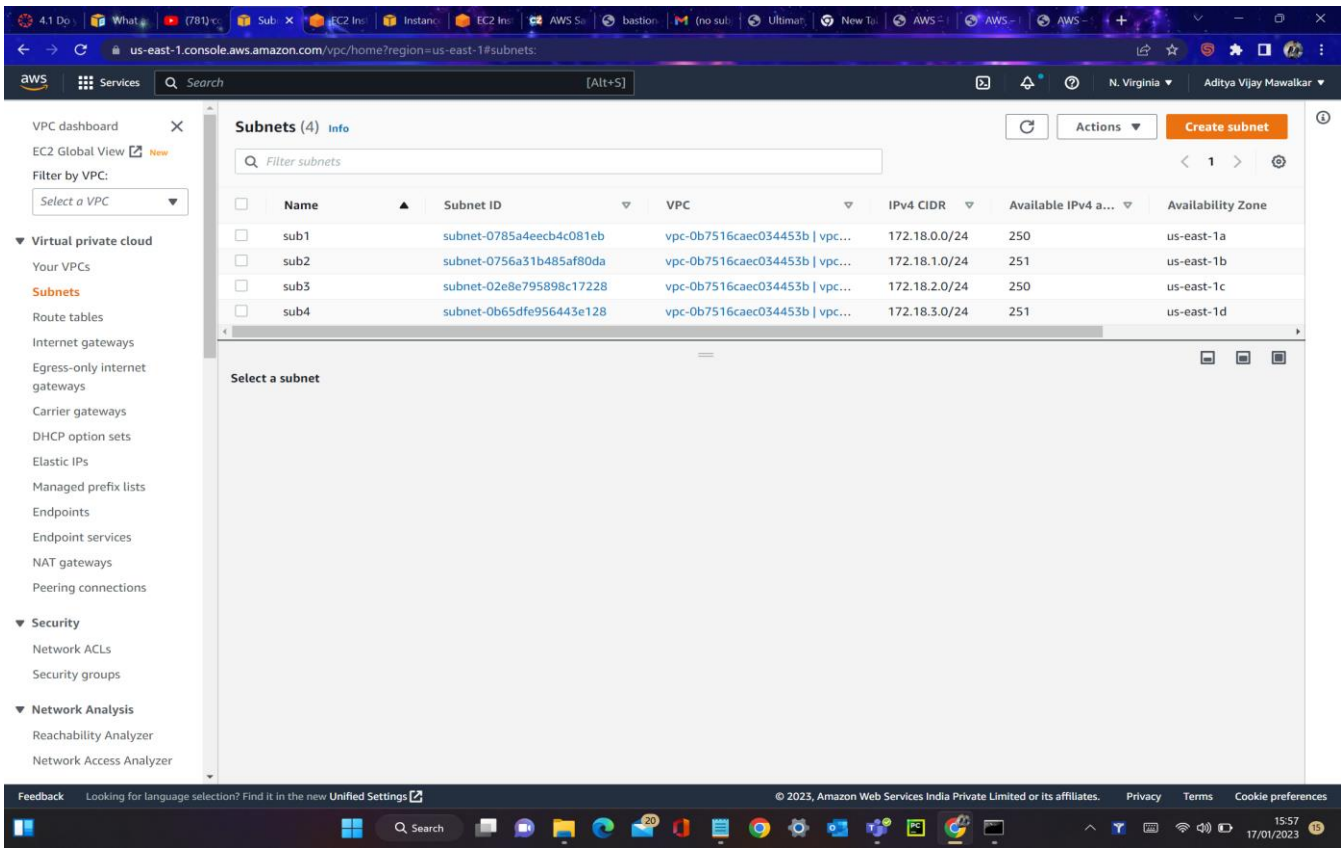
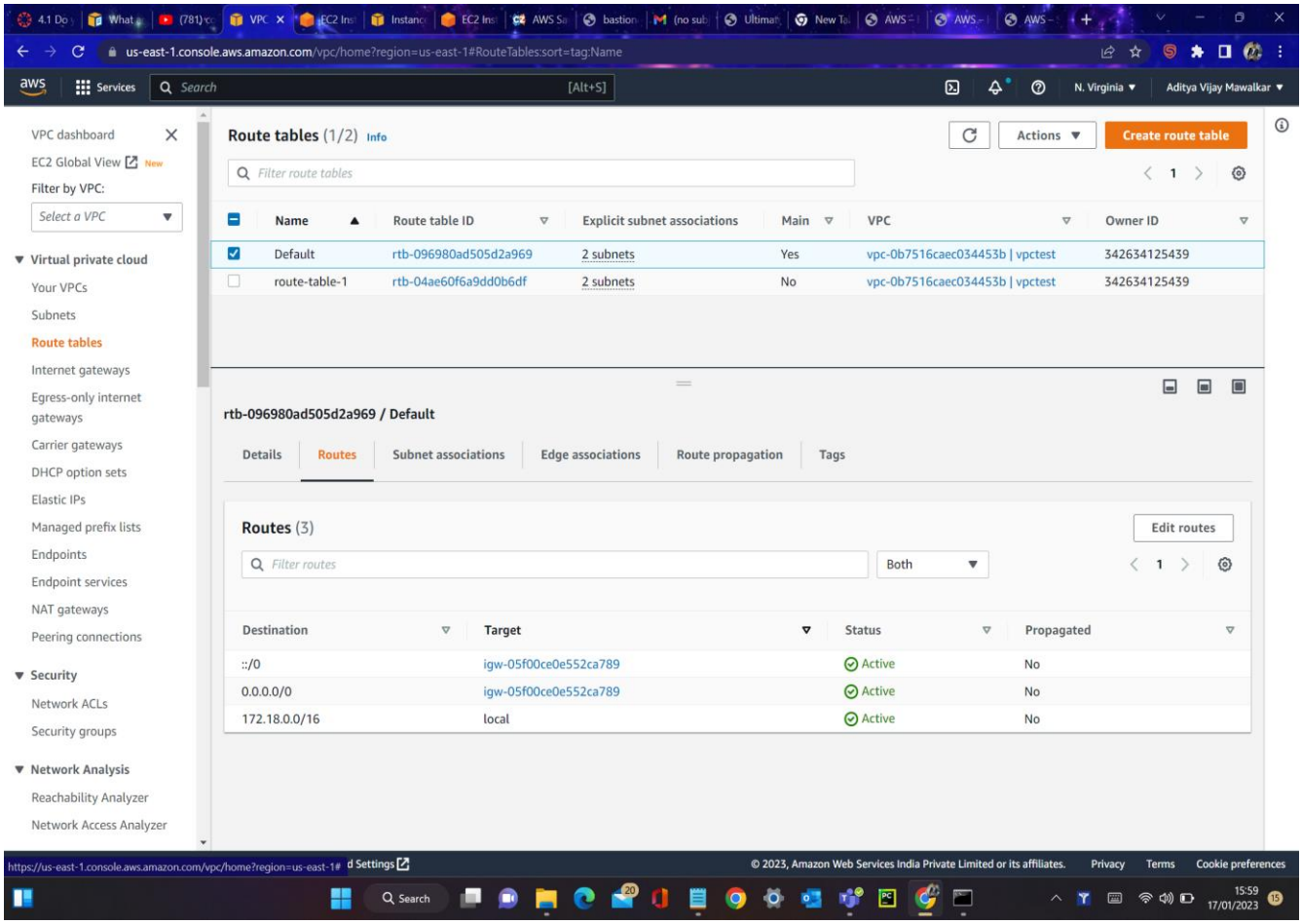
1) Create a VPC with IP of 172.18.0.0/16 then add tags “Env” and “Dev”. (In N.Virginia)



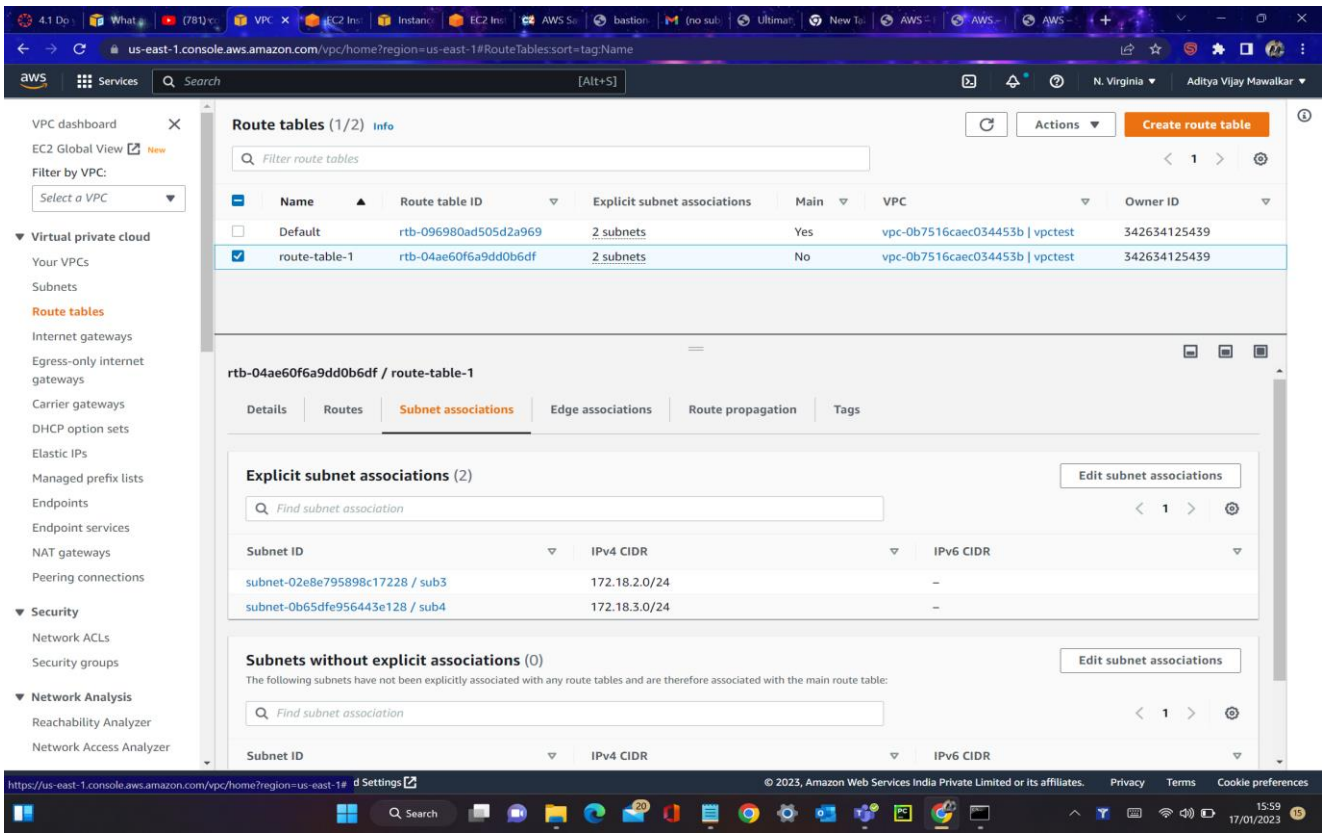
2) Create 4 subnets in same VPC(172.18.0.0/16) select different availability zone for each subnet. Add tags “Env” and “Dev”.



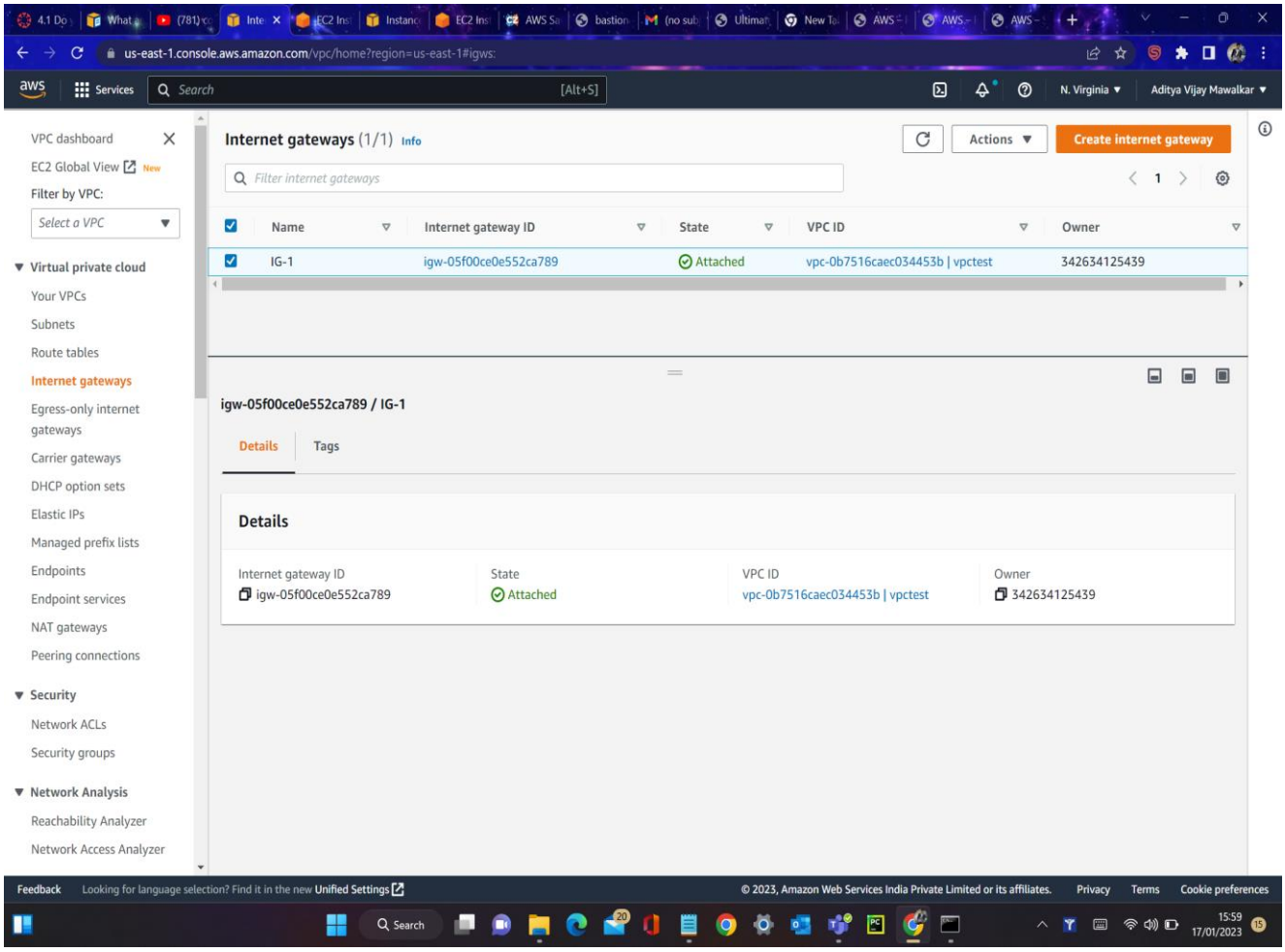
3) Create route table and add subnets in both the route table. First two subnets in default route table and other two subnets in another route table.



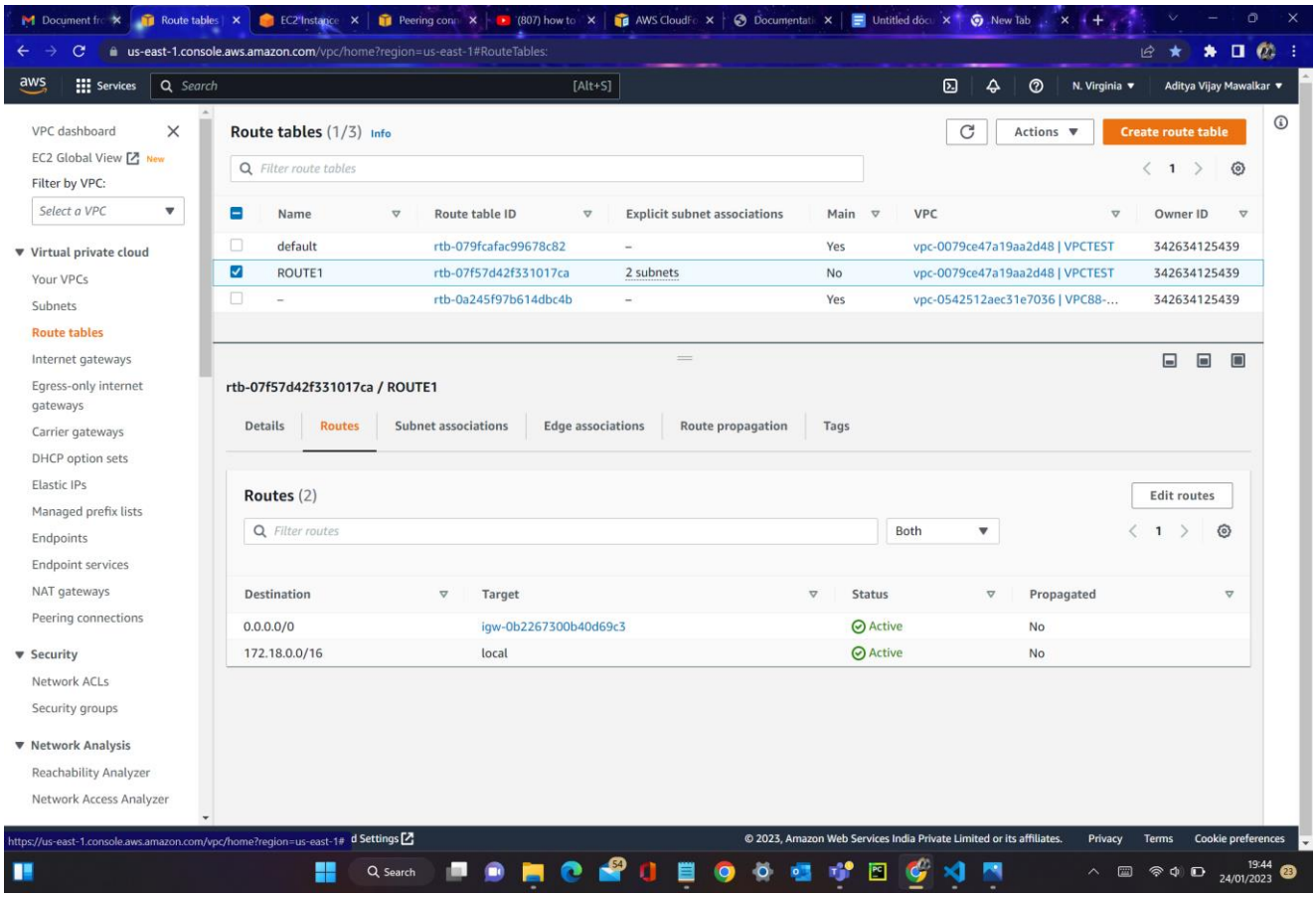
4) Adding subnets in the 2nd route table



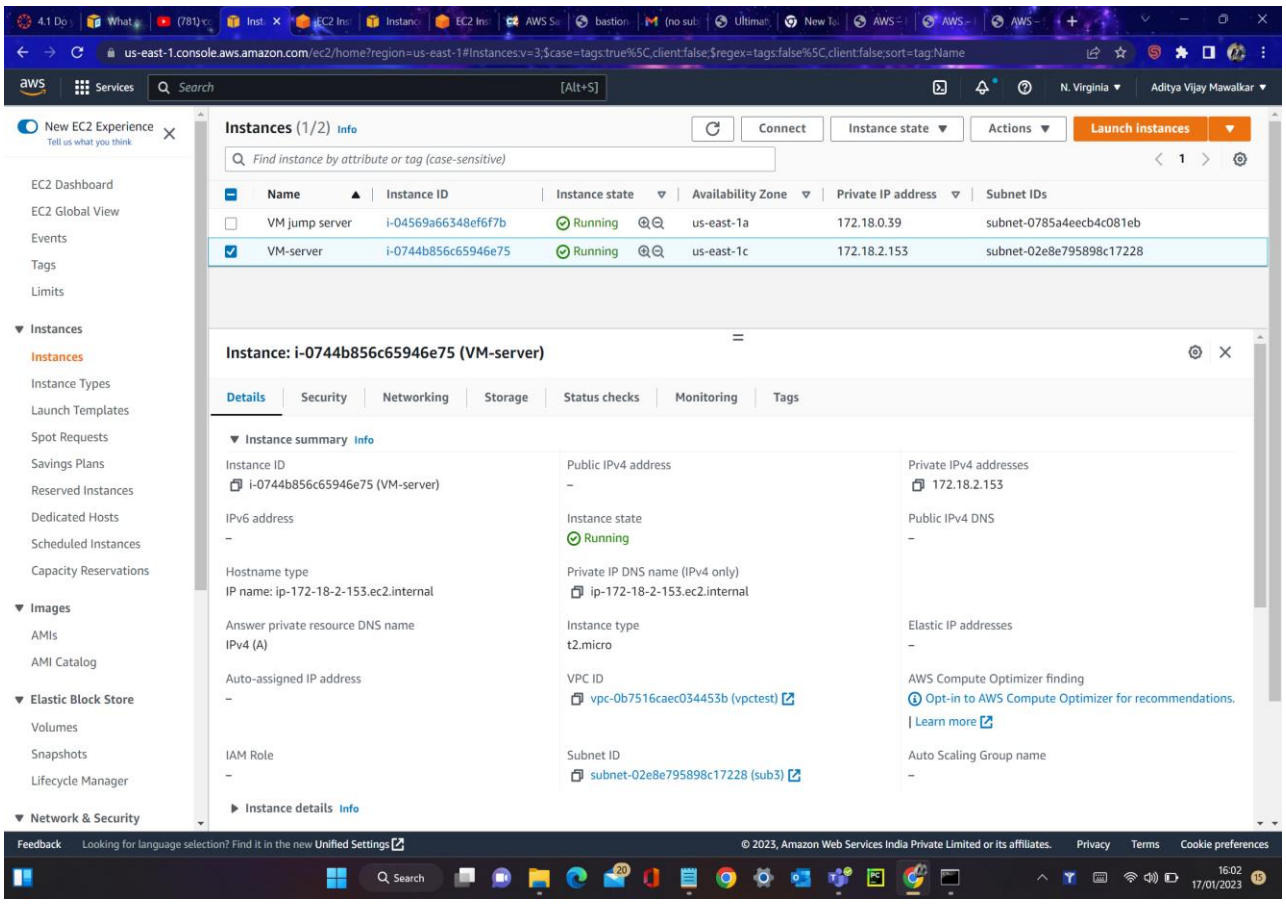
5) Create internet gateway and add tags and attach to the VPC.



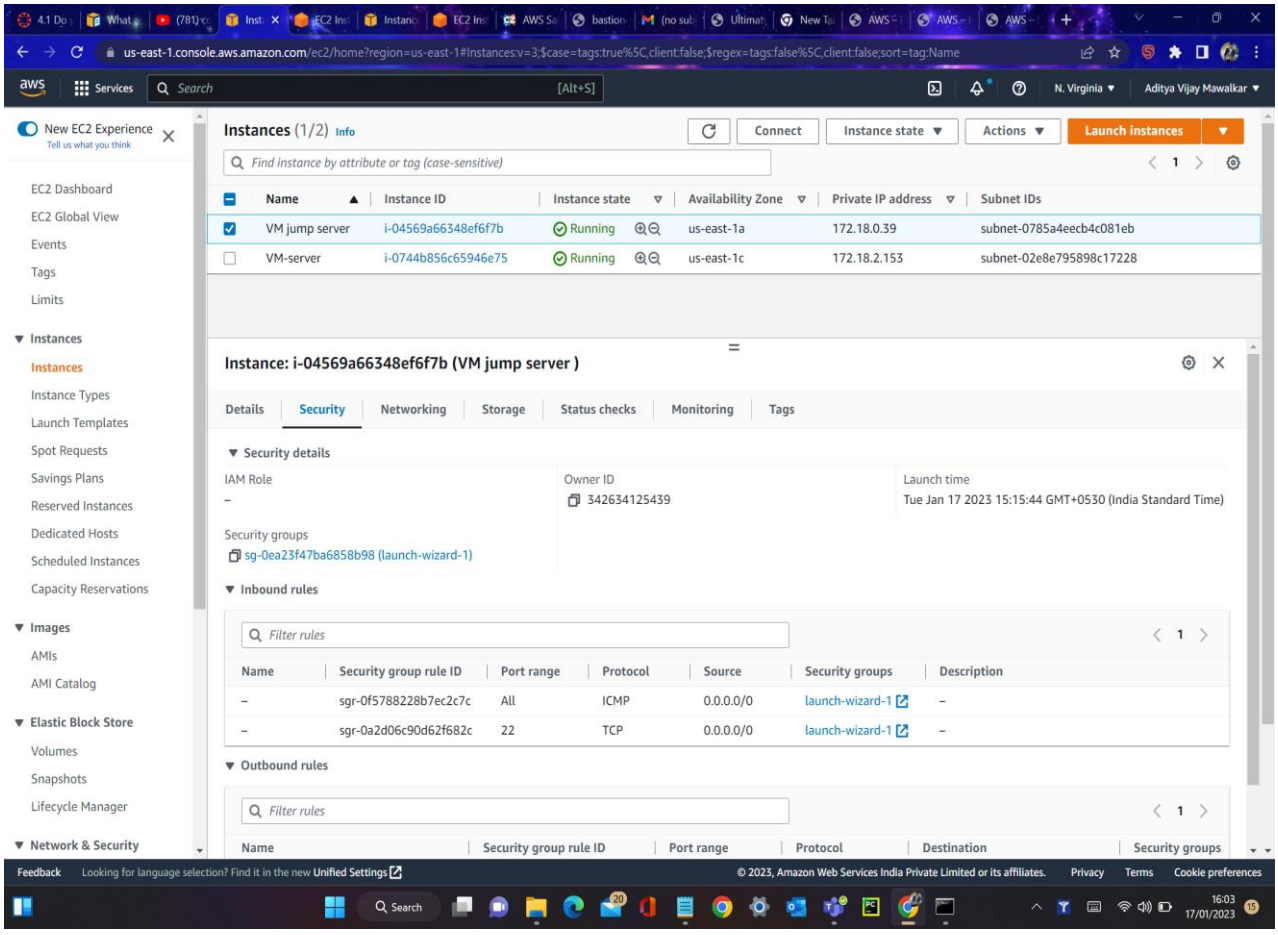
6) Add internet gateway in route table.



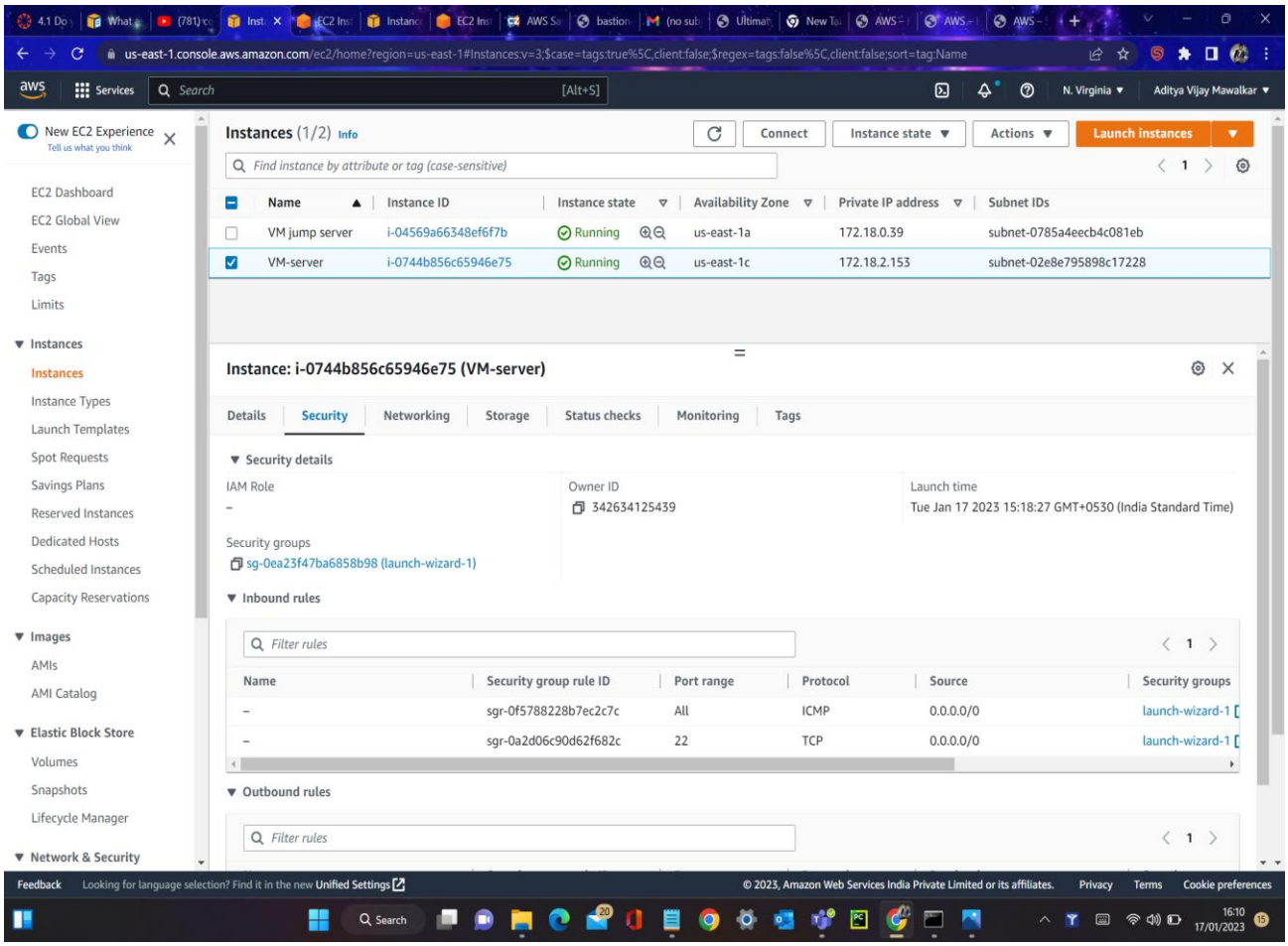
7) Open EC2 and create instances (VM-Server) which don't have public IP.



8) Create instance 2nd (VM-JUMP-SERVER) which have public IP. In this select free Linux then add key file. Also add subnet-1 and enable auto assign public IP in network setting. Add security group and launch the instance.

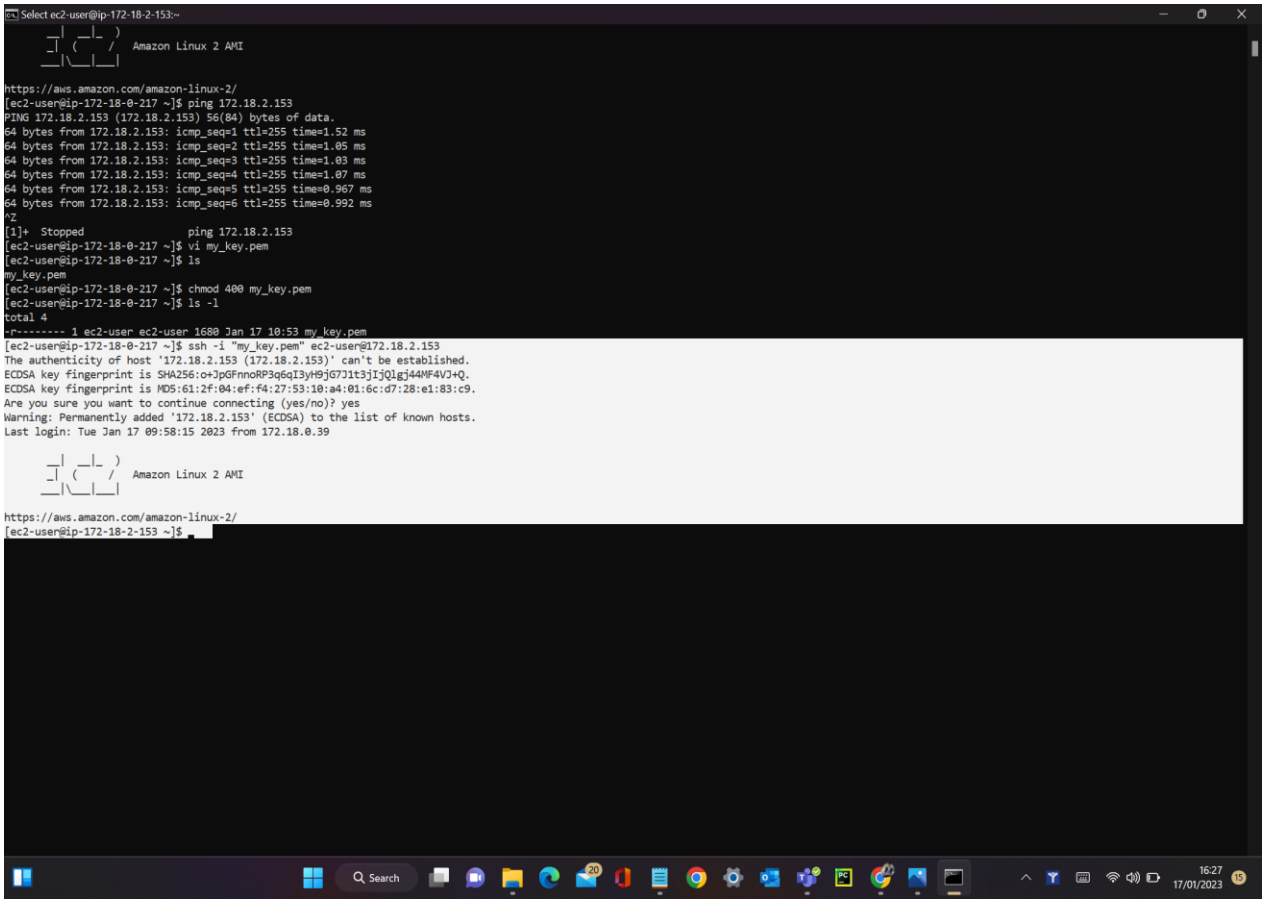


9) Create instance 2nd (VM-SERVER) which don't have public IP. In this select free Linux then add key file. Also add subnet-3 and disable auto assign public IP in network setting. Add security group and launch the instance.

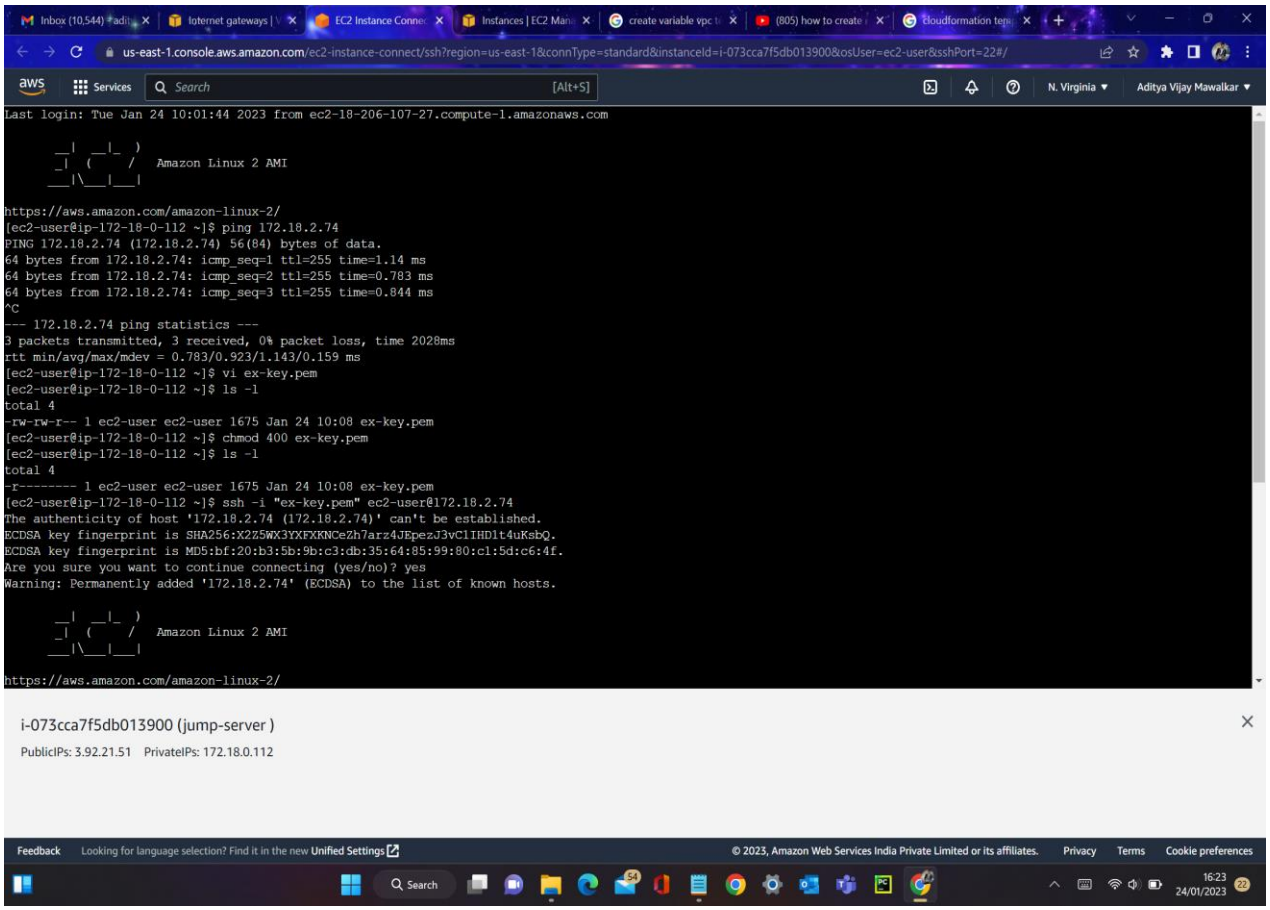


10) ping VM2 using jump server

- Loging in into VM2 with help of jump server and keys



11) Successfully logged in to the VM 2 using Jump server.



12) Pinged the VM2 using jump server