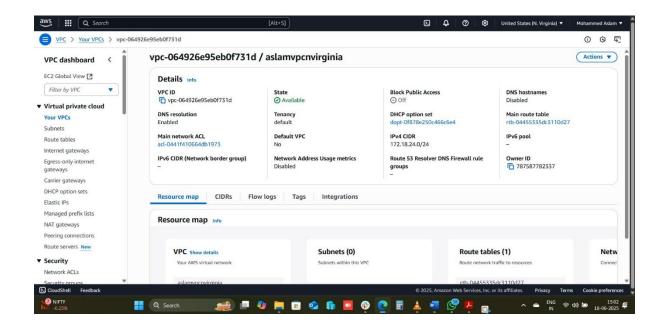
1) Create one vpc in N.virginia region.

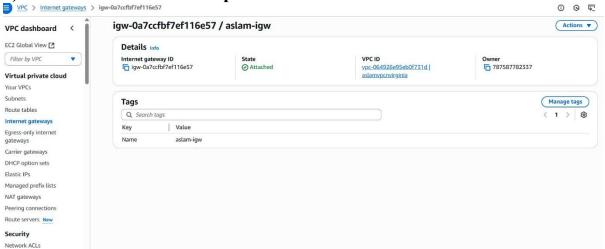


2) Create two subnets.

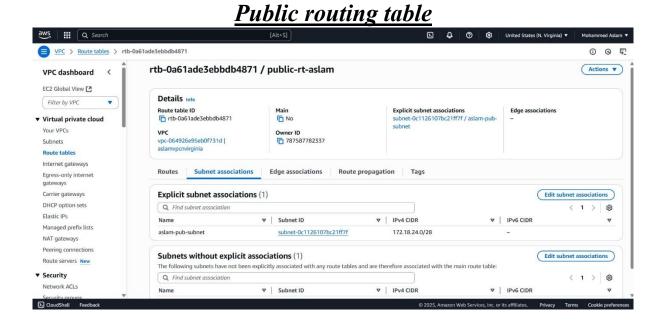
One Public subnet and one private subnet.



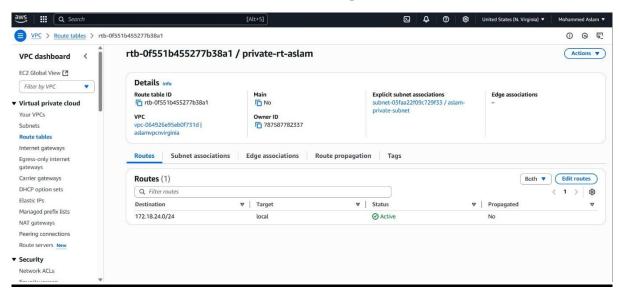
3) Provide the IGW to the vpc.



3) Create One public RT and one private RT.

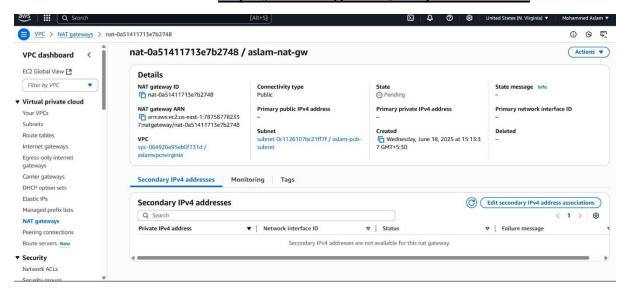


Private routing table

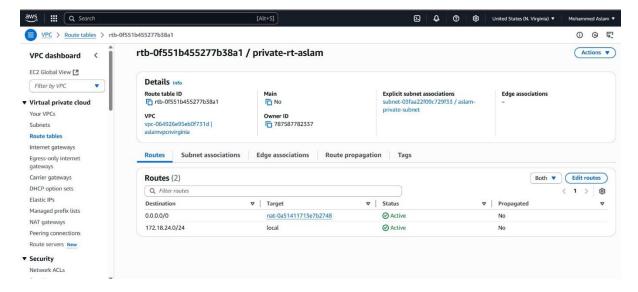


5) Deploy NAT gateway on public subnet and attach the NAT gatewat to private subnet.

Deployed NAT gateway on public subnet

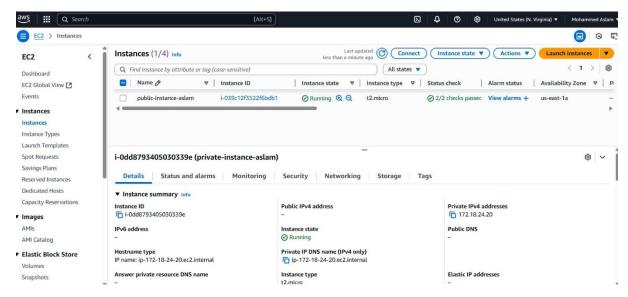


Attached NAT gateway to private subnet

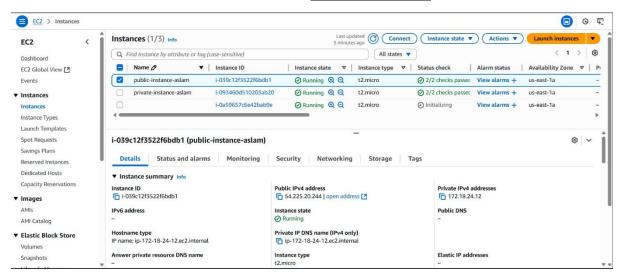


6) Create Two instances, one in public subnet and one in private subnet.

Private instance



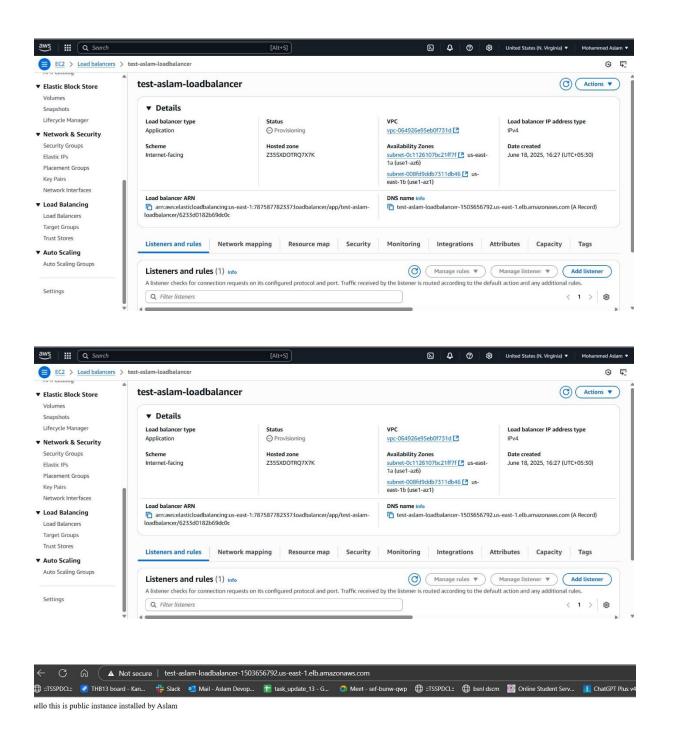
Public-instance



7) Deploy Apache server on both the ec2 instances with sample index.html file. Public instance apache

Private instance apache

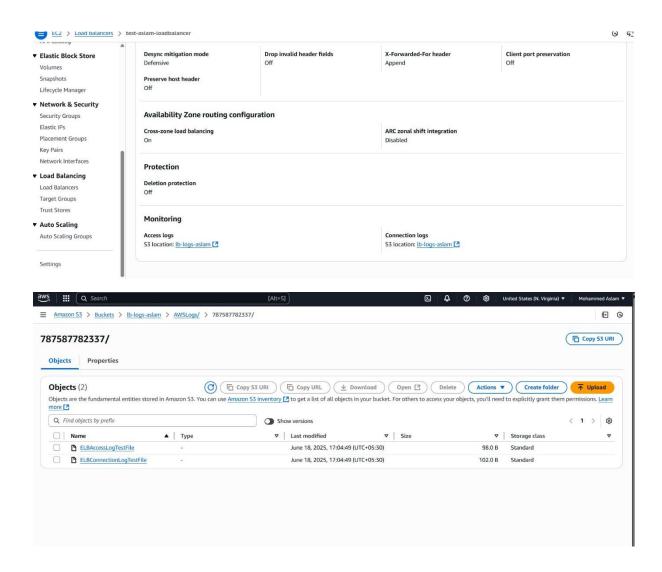
8) Create one application load balancer and attach the load balancer to both the ec2 instances.



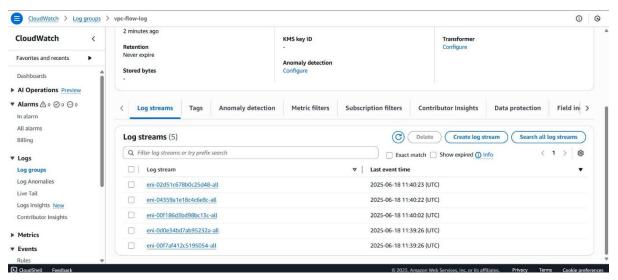


his website is hosted in private subnet instance by aslam

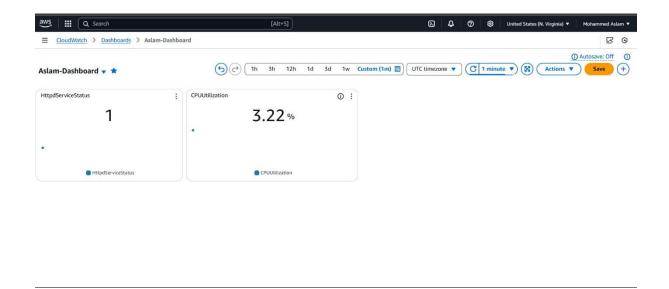
9) Store Application load balancer logs to s3.



10) Store the vpc flow logs to cloudwtach group.



11) Create Monitoring Dashboards to monitor cpu utilization and to monitor apache service.



12) CPU utilizationis more than 70% then it should triggere Autoscaling and launch new instance

