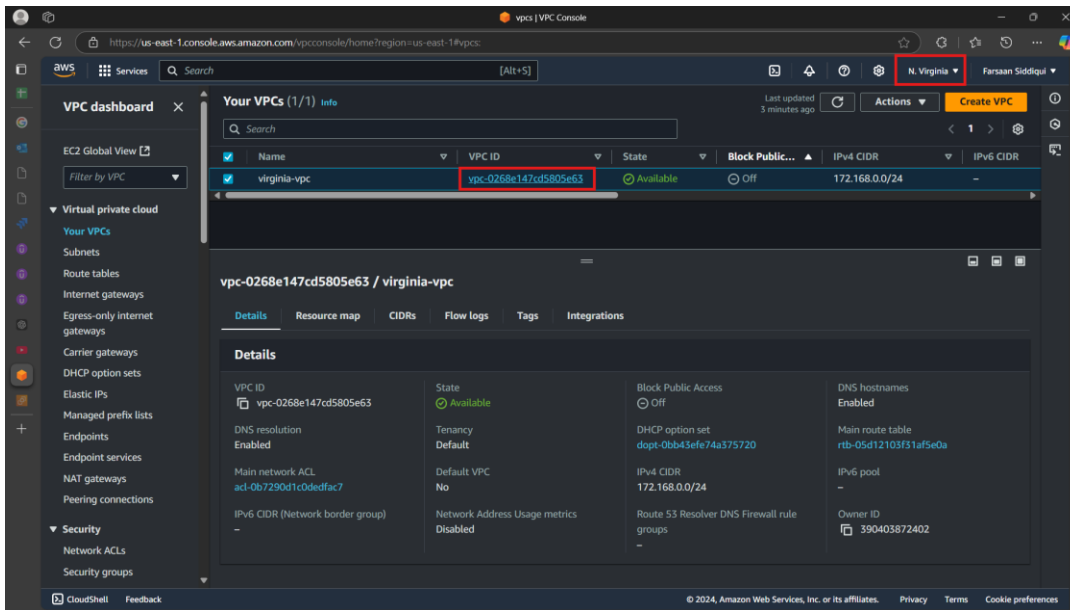
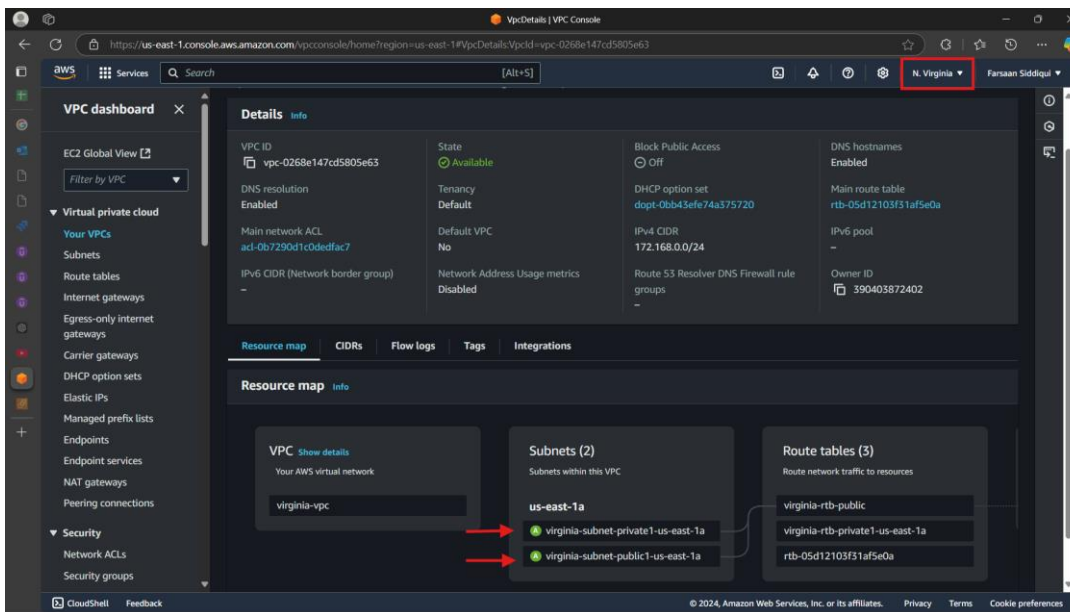


ASG tasks + Revision.

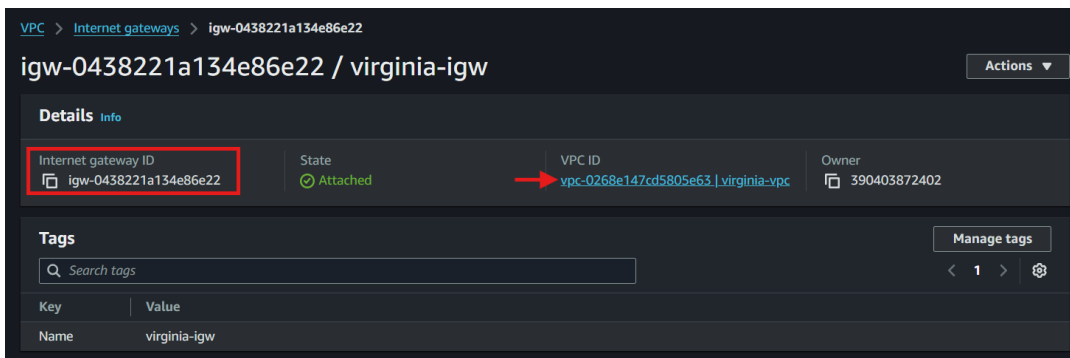
1) Create one vpc in N.virginia region.



2) Create One Public subnet and one private subnet.



3) Provide the IGW to the vpc.



4) Create One public RT and one private RT.

Route tables (3) Info

Last updated less than a minute ago

Find resources by attribute or tag

<input type="checkbox"/>	Name	Route table ID	Expli...	Edge...	Main	VPC	Owner ID
<input type="checkbox"/>	virginia-rtb-public	rtb-0f0d9de3fc5d3db63	-	-	No	vpc-0268e147cd5805e63 virginia-vpc	390403872402
<input type="checkbox"/>	virginia-rtb-private	rtb-091401bb1b4f6aea8	-	-	No	vpc-0268e147cd5805e63 virginia-vpc	390403872402
<input type="checkbox"/>	-	rtb-05d12103f31af5e0a	-	-	Yes	vpc-0268e147cd5805e63 virginia-vpc	390403872402

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

VPC > NAT gateways > nat-06bae41e403b04e4d

nat-06bae41e403b04e4d / virginia-ngw

Actions

Details

NAT gateway ID nat-06bae41e403b04e4d	Connectivity type Public	State Available	State message -
NAT gateway ARN arn:aws:ec2:us-east-1:390403872402:natgateway/nat-06bae41e403b04e4d	Primary public IPv4 address 23.21.58.102	Primary private IPv4 address 172.168.0.7	Primary network interface ID eni-06b723f4e0f49fc4e
VPC vpc-0268e147cd5805e63 / virginia-vpc	Subnet subnet-0583d7858b6715868 / virginia-subnet-public1-us-east-1a	Created Wednesday, November 20, 2024 at 14:44:52 GMT+5:30	Deleted -

Updated routes for rtb-091401bb1b4f6aea8 / virginia-rtb-private successfully

VPC > Route tables > rtb-091401bb1b4f6aea8

rtb-091401bb1b4f6aea8 / virginia-rtb-private

Actions

Details

Route table ID rtb-091401bb1b4f6aea8	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-0268e147cd5805e63 virginia-vpc	Owner ID 390403872402		

Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Filter routes

Destination	Target	Status	Propagated
0.0.0.0/0	nat-06bae41e403b04e4d	Active	No
172.168.0.0/24	local	Active	No

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

Instances (2) Info

Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Connect

Instance state

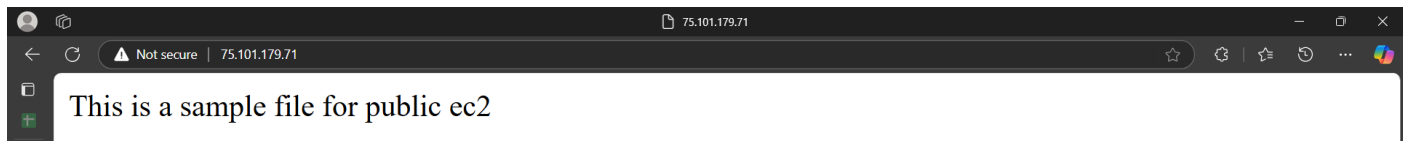
Actions

Launch instances

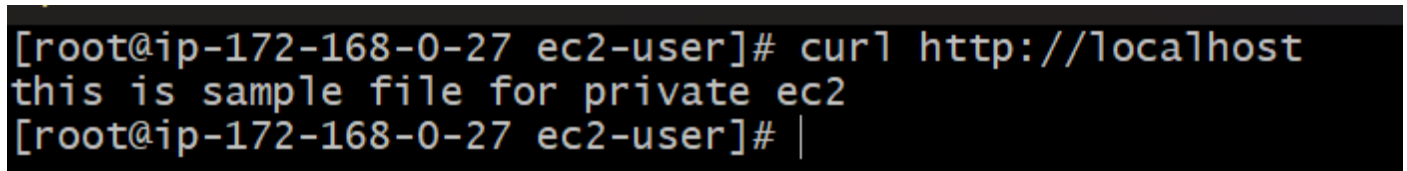
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	pub-ec2	i-0be9ef6a5b3510e56	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	ec2-...
<input type="checkbox"/>	pri-ec2	i-039626ea0f7aa696a	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	-

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

*PUBLIC EC2

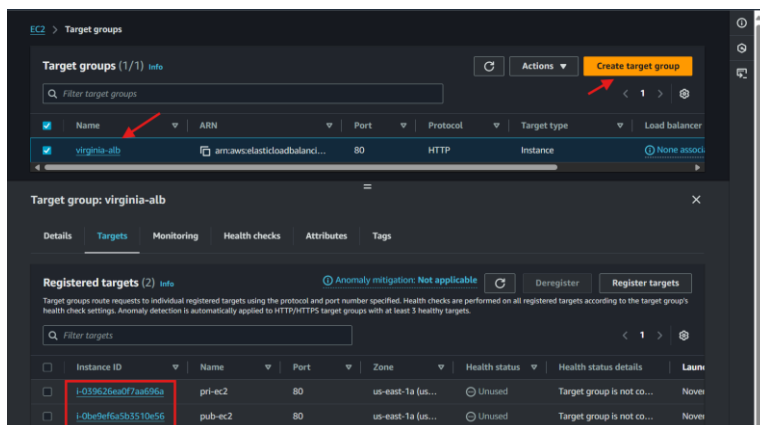


*PRIVATE EC2

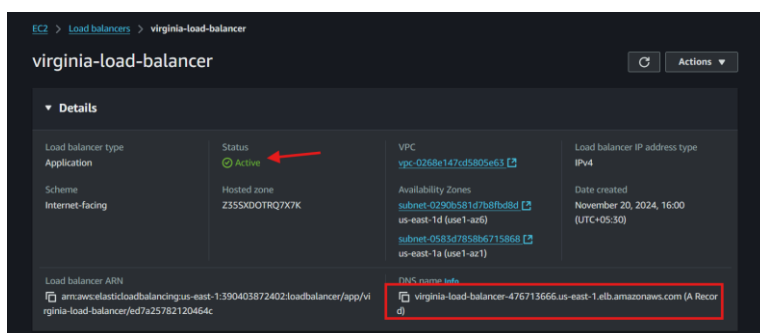


8) Create one application load balancer and attach the load balancer to both the ec2 instances.

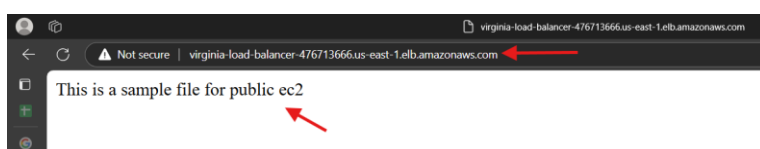
*CREATE A TARGET GROUP AND TARGET THE INSTANCES YOU WANT TO ATTACH TO LOAD BALANCER



*CREATE LOAD BALANCER BY SELECTING VPC AND SUBNETS AND ADD TARGET GROUP CREATED BEFORE



*TEST IT WITH THE LOAD BALANCER DNS NAME IT WILL SHOW THE SAMPLE FILE CREATED IN TASK 7



9) Store Application load balancer logs to s3.

10) Store the vpc flow logs to cloudwatch group.

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

12) CPU utilization is more than 70% then it should trigger Autoscaling and launch new instance.