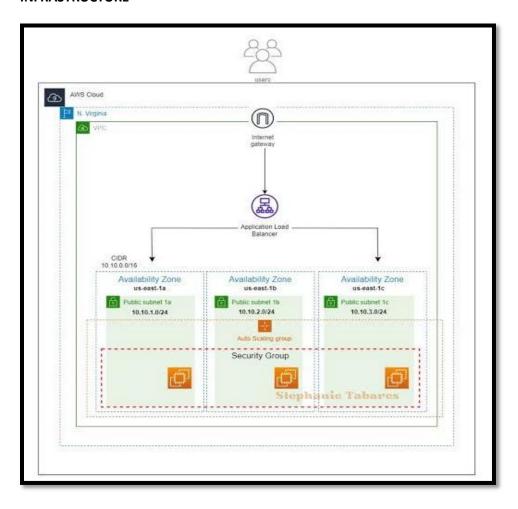
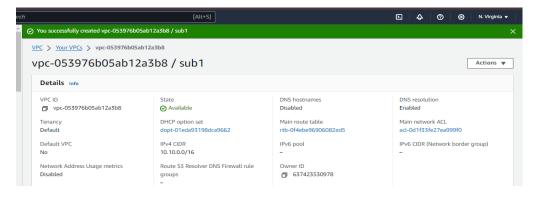
The Architecture given with **HIGH AVALIABILITY**, **HIGH SCALABILITY**, **WEB APP DEPLOYMENT**, **INFRASTRUCTURE**



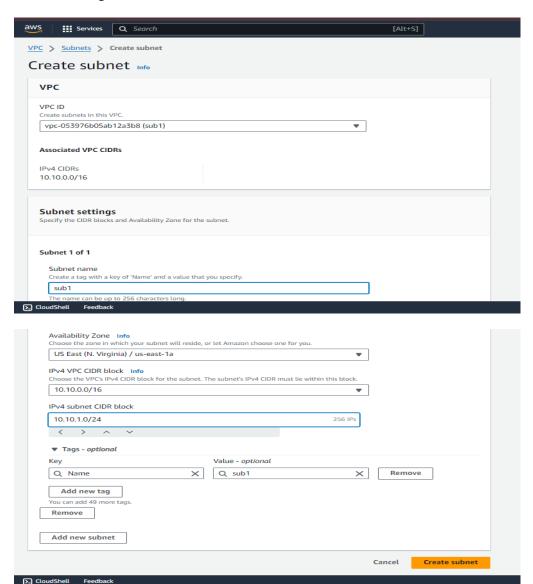
Let's create step by step according to given architecture

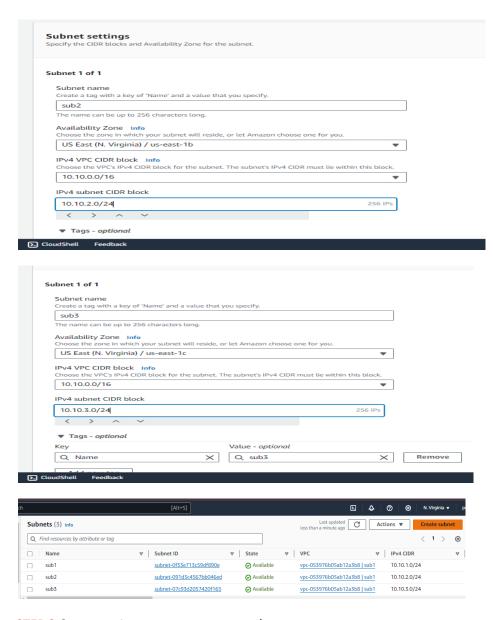
STEP 1 Create a VPC

> Your VPCs	> Create VPC
eate VP	
eate VP	Info
PC is an isolated	portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.
VPC setting	
Resources to cre	ate Info resource or the VPC and other networking resources.
VPC only	○ VPC and more
Name tag - optio	nal key of 'Name' and a value that you specify.
sub1	
IPv4 CIDR block	Info
□ IPv4 CIDR m	nual input
○ IPAM-allocat	ed IPv4 CIDR block
IPv4 CIDR	
10.10.0.0/16	
CIDR block size mu	t be between /16 and /28.
IPv6 CIDR block	Info
No IPv6 CIDE	block
○ IPAM-allocat	ed IPv6 CIDR block
Amazon-pro	iderl IPv6 CIDP block

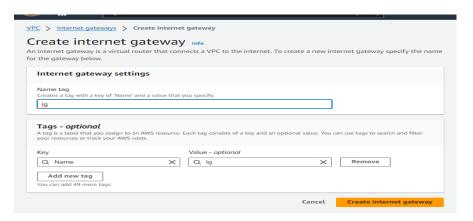


STEP 2 Creating three Subnet for VPC



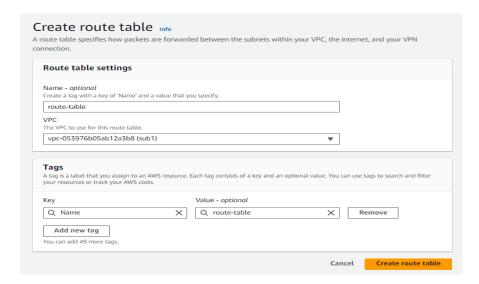


STEP 3 Create an Internet gateway, attach to vpc

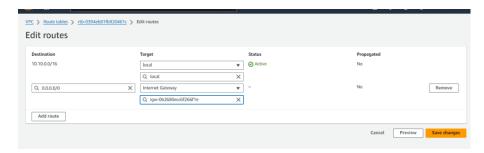


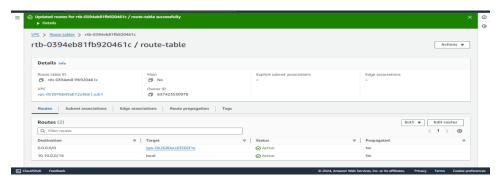


STEP 4 Create a Route table

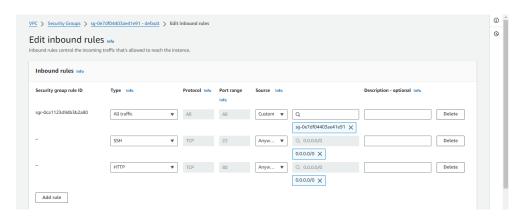


STEP 5 Edit route add an internet gateway

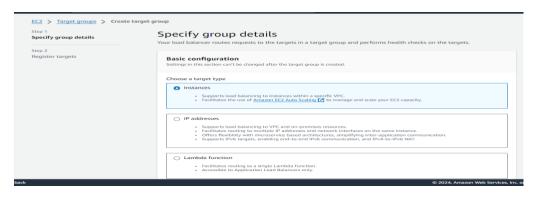


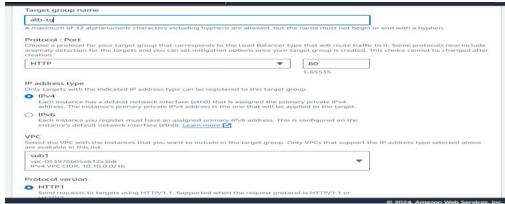


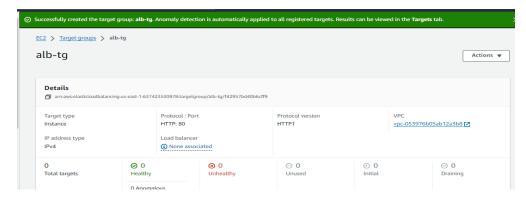
STEP 6 Edit security group add required port-ssh,http



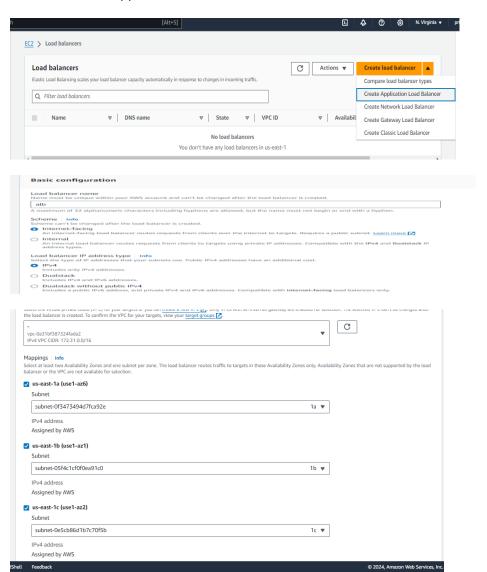
STEP 7 Create a Target group for load balancer

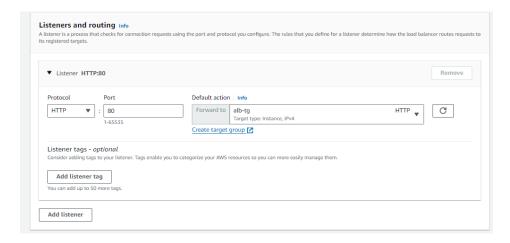


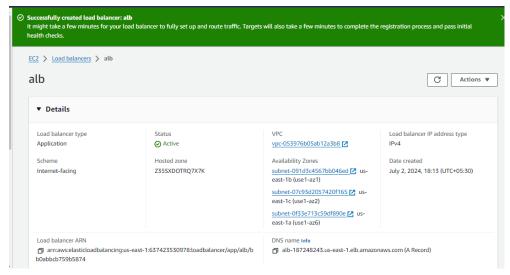




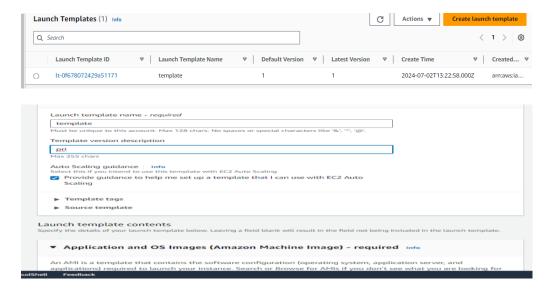
STEP 8 Create an Application Load balancer

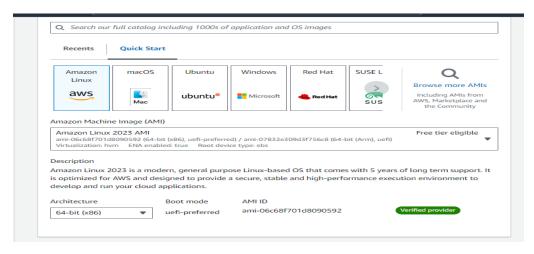






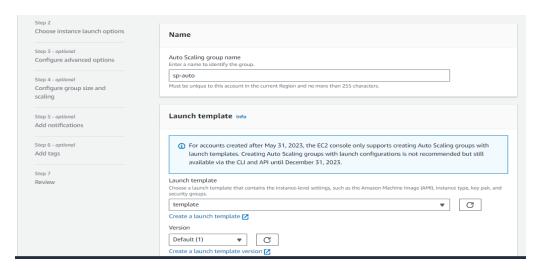
STEP 9 Create a template for Auto scaling group



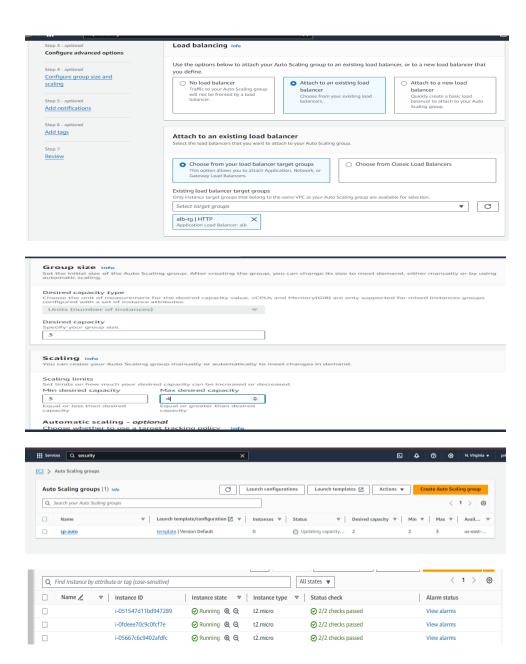




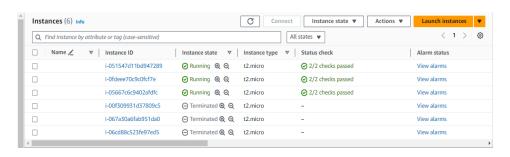
STEP 10 Create an Auto scaling group







 While deleting EC2 which is created using auto scaling group, it automatically created 3 minimum instances



STEP 11 Now let's check the each Instances Public IPV4 DNS, DNS id in browser

https://ec2-54-81-215-254.compute-1.amazonaws.com/



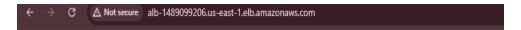
https://ec2-44-201-206-104.compute-1.amazonaws.com/



https://ec2-34-201-15-168.compute-1.amazonaws.com/



http://alb-1489099206.us-east-1.elb.amazonaws.com/



It works!

• While deleting auto scaling group, it automatically terminates the instances

i-051547d11bd947289 ⊝ Terminated **② Q** t2.micro

