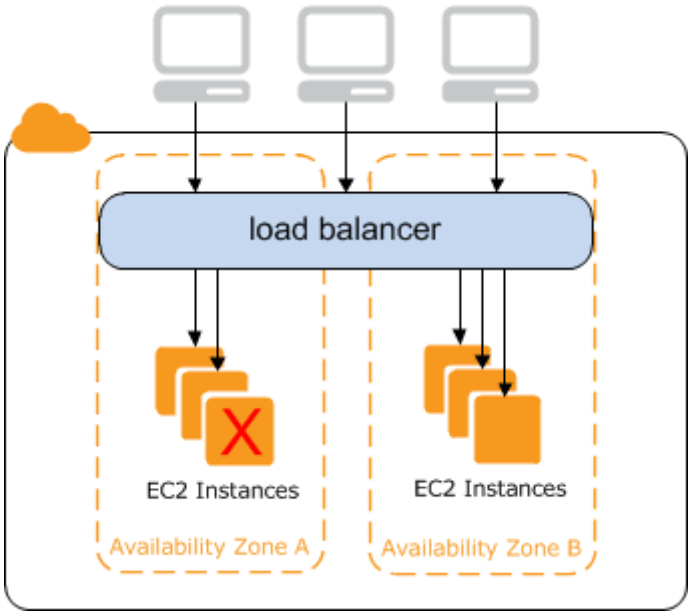
ELASTIC LOAD BALANCER:

Elastic Load Balancing automatically distributes your incoming traffic across multiple targets, such as EC2 instances, containers, and IP addresses, in one or more Availability Zones.

It monitors the health of its registered targets, and routes traffic only to the healthy targets.



4 types of elastic load balancer:

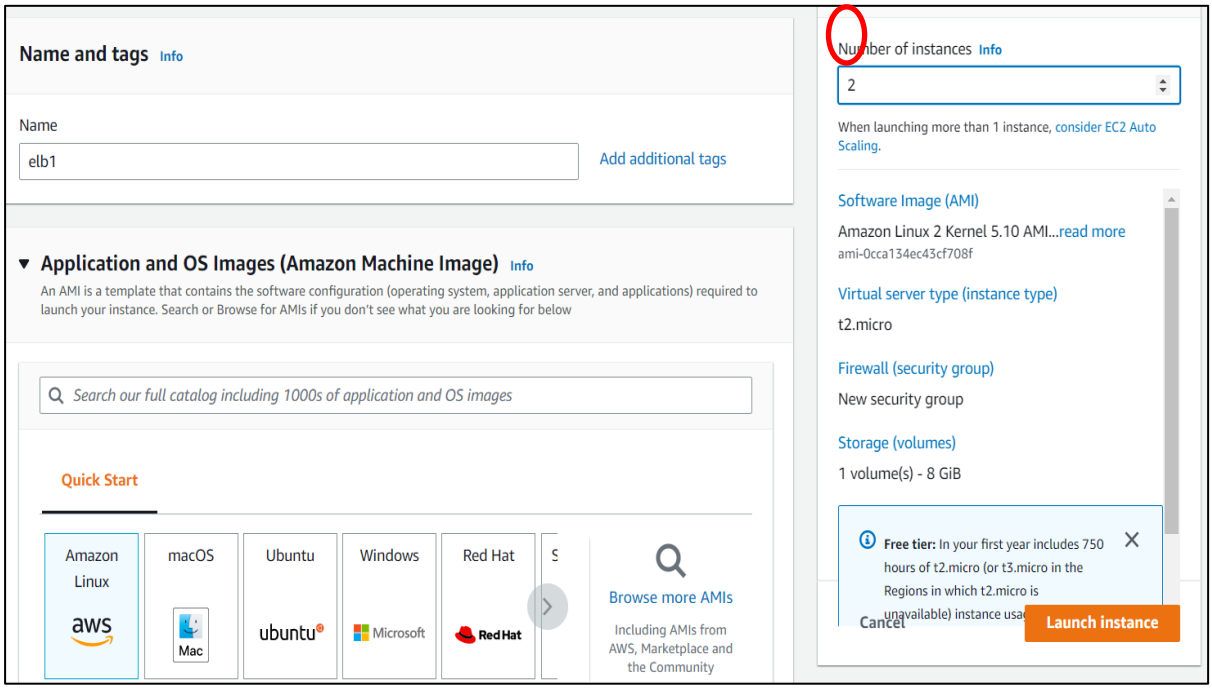
- Classic load balancer
- Application load balancer
- Network load balancer
- Gateway load balancer

Classic load balancer:

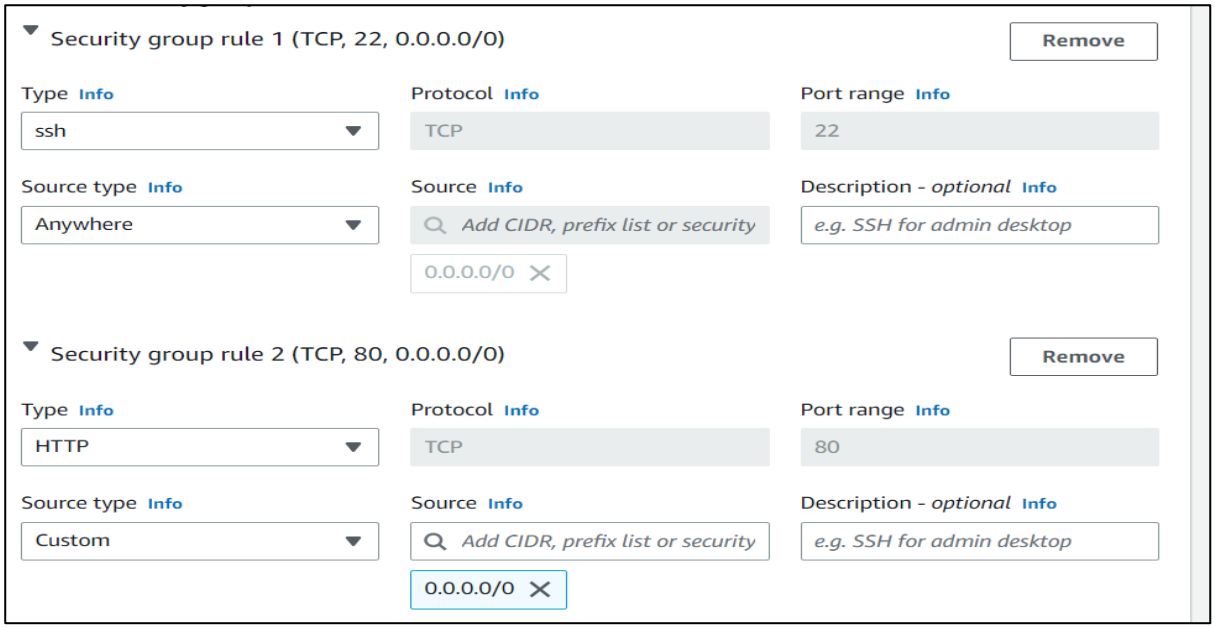
Monolithic application support classic load balancer

Steps to create elastic load balancer:

Step1:launch linux instance----->(no of instance selec-->2)



Step2: create key pair --->add security group2(httP)



Step3: advanced details---->user data(any bash script type)

Create 2 EC2 insatnces with 2 diffrent AZ

add the below details under user data

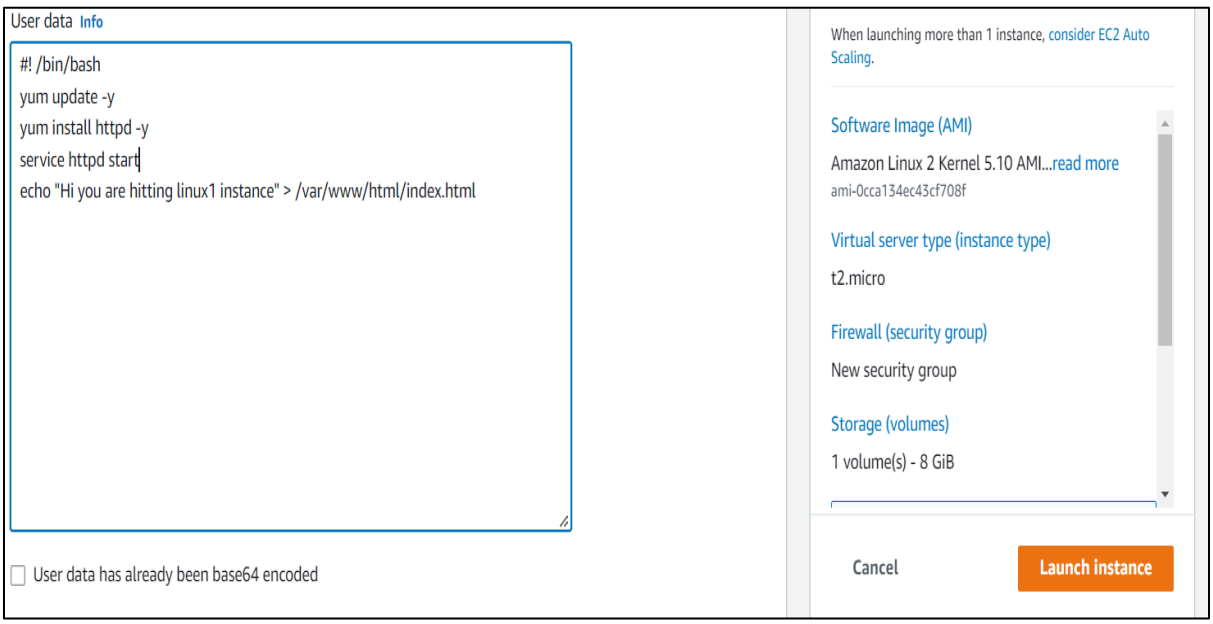
#! /bin/bash

yum update -y

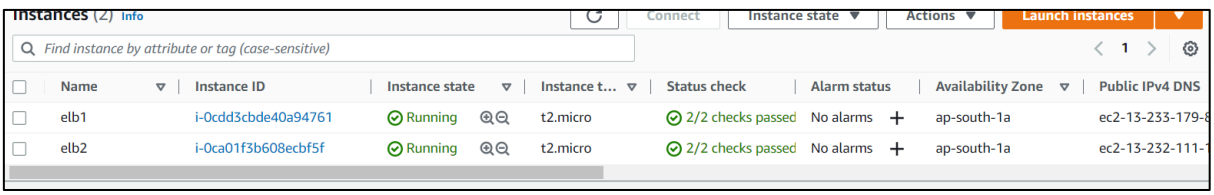
yum install httpd -y

service httpd start

echo "Hi you are hitting linux1 instance" > /var/www/html/index.html

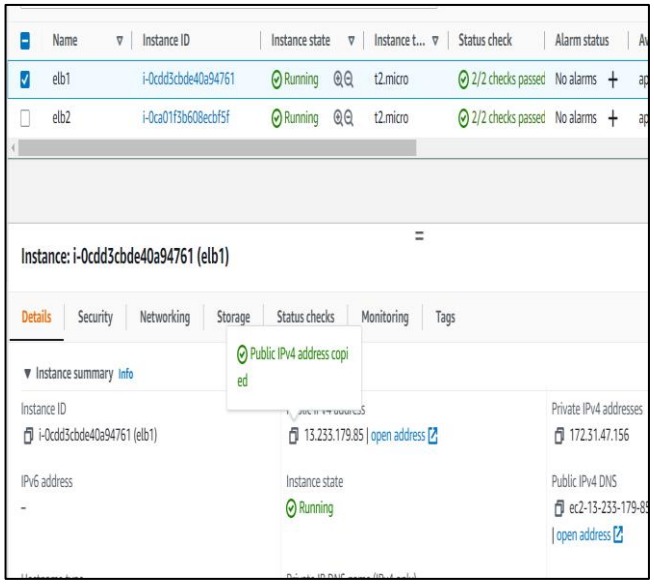


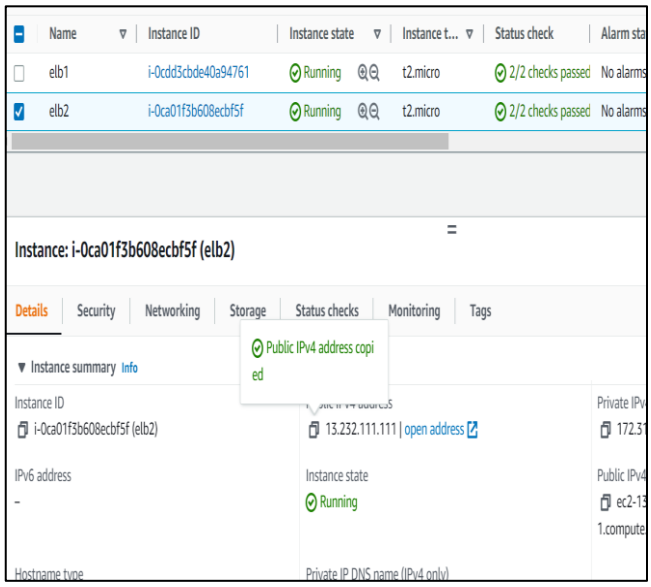
2 instance launch completed



Step4: elb1---->public ip copy--->put chrome page

elb2--->public ip copy --->put chrome page

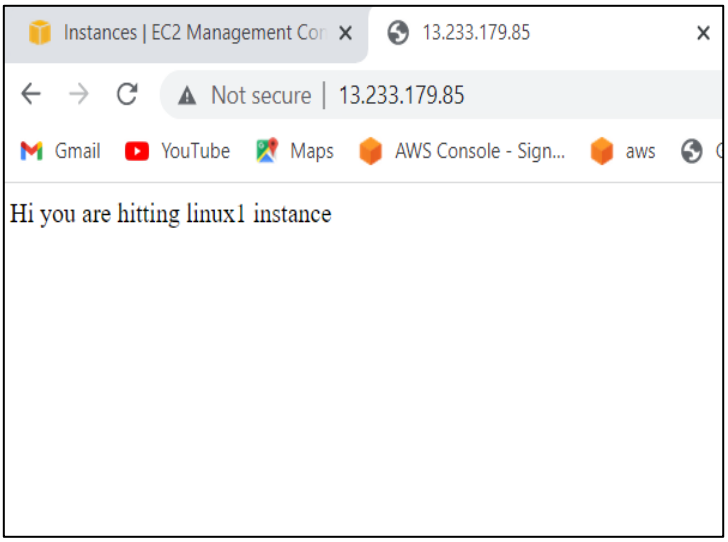


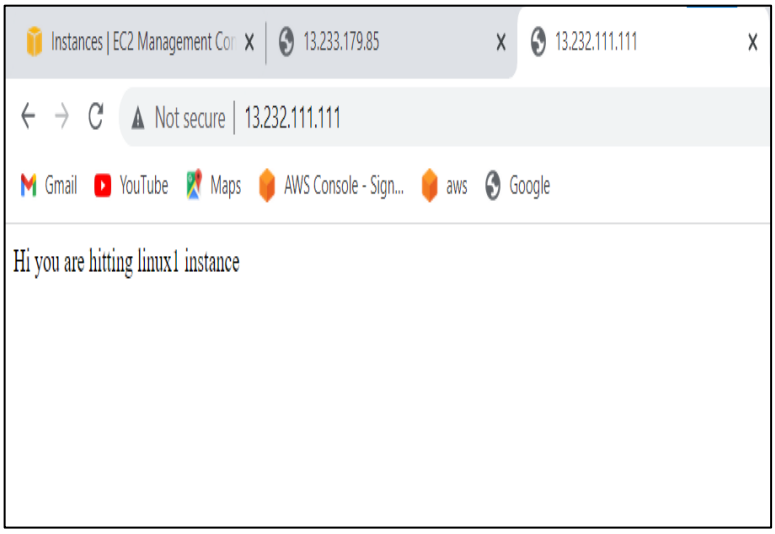


Step5: elb1---->public ip copy--->put chrome page--->hitting linux1

elb2--->public ip copy --->put chrome page--->hitting linux1

Same content shown





Step6:elb2 --->change linux1 to linux2

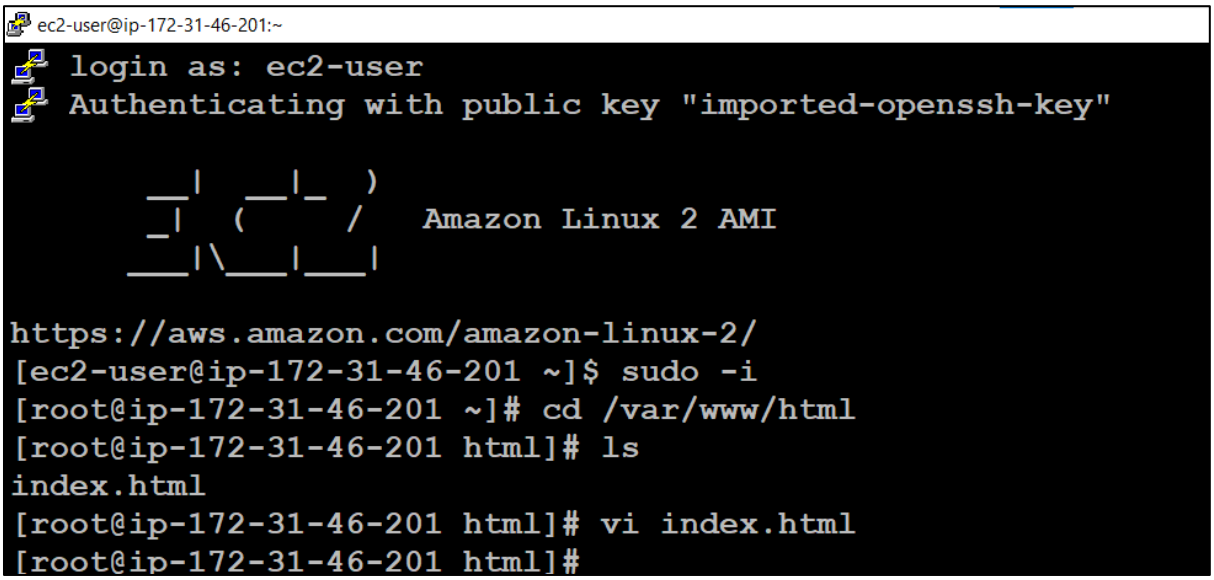
1.Putty open --->login:ec2-user

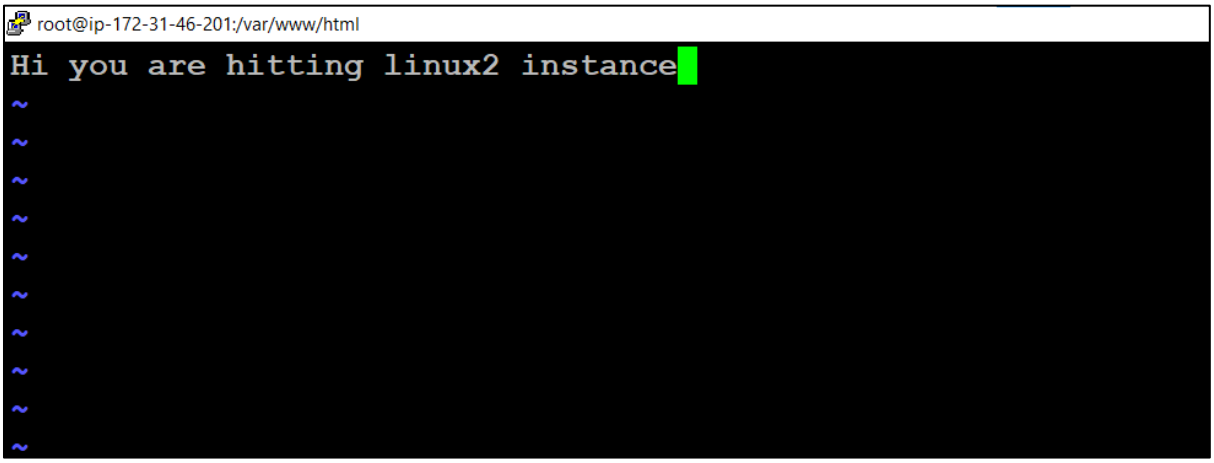
2.Change root user---->sudo –i

3.change disk ---->#cd /var/www/html

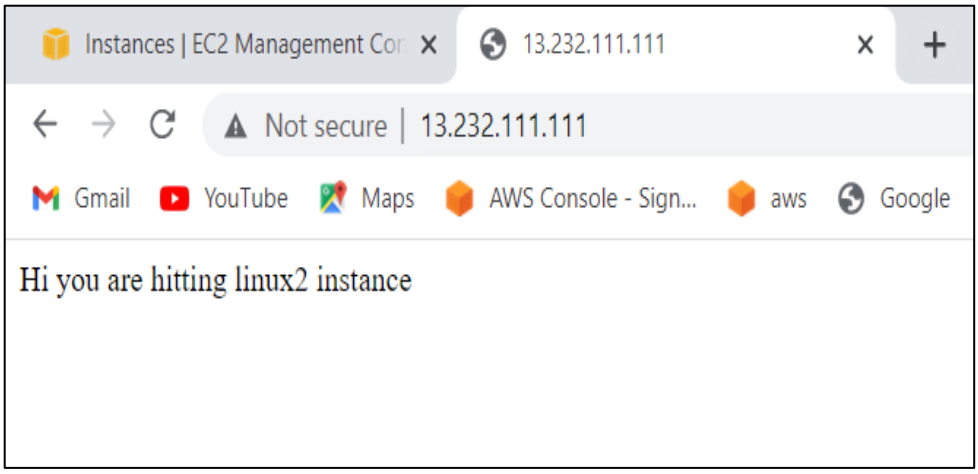
4.list------>ls (we give before bash script file will shown)---->index.html

5.now edit ---->vi index.html ---->linux1(change linux2) --->wq!

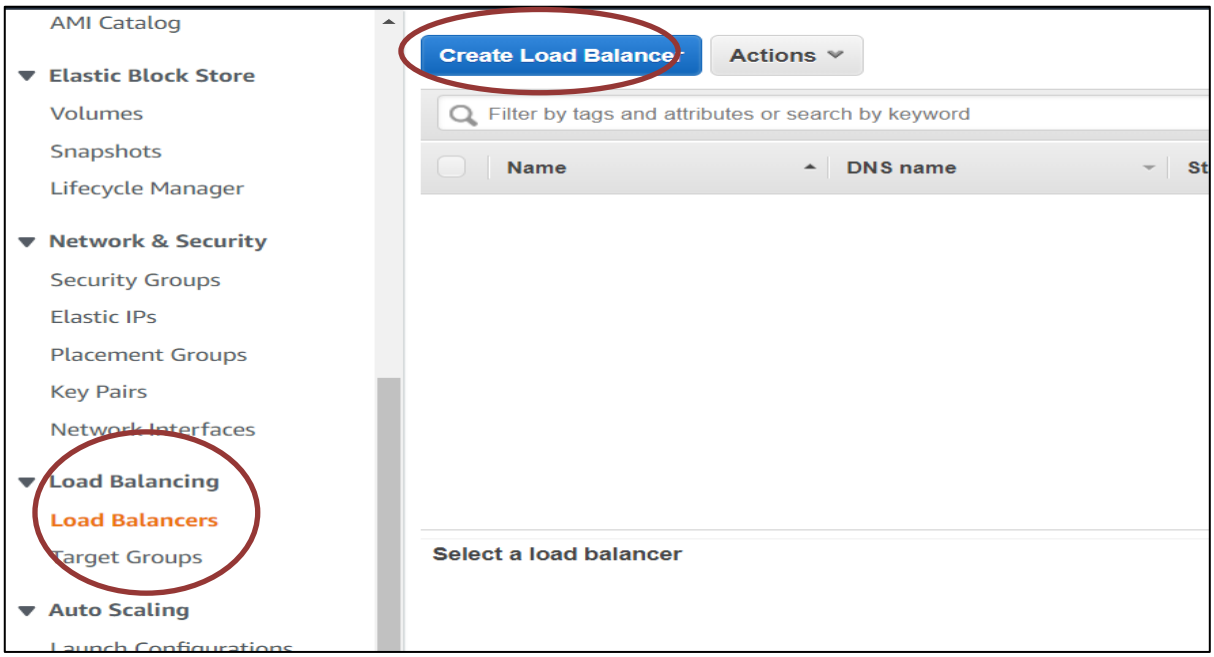




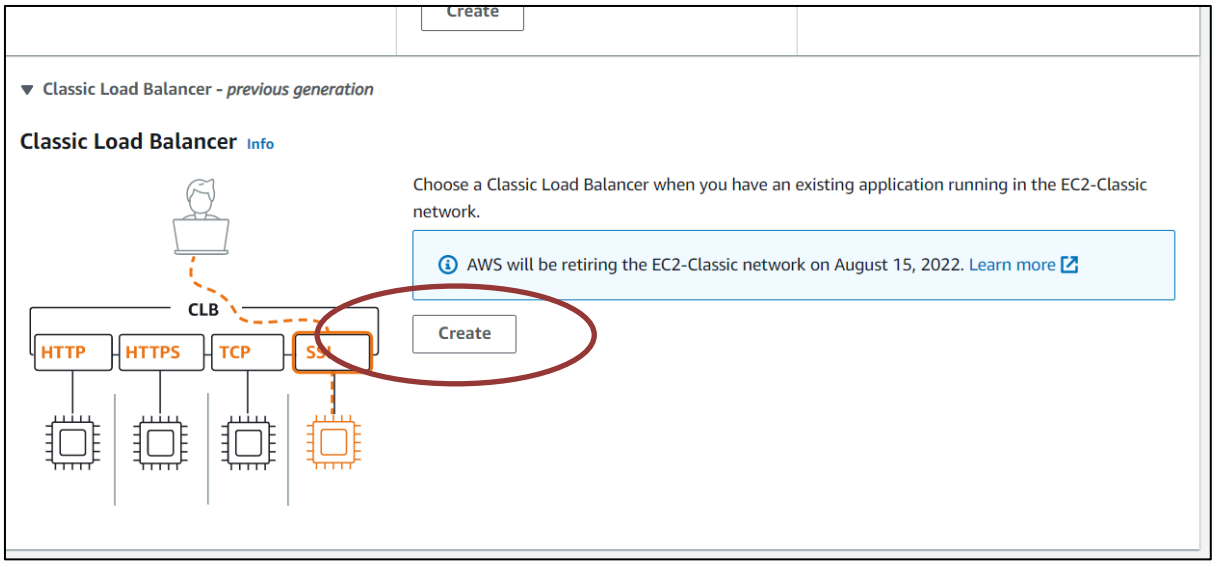
Now check elb2 public ip --->chrome--->it will change(linux2)



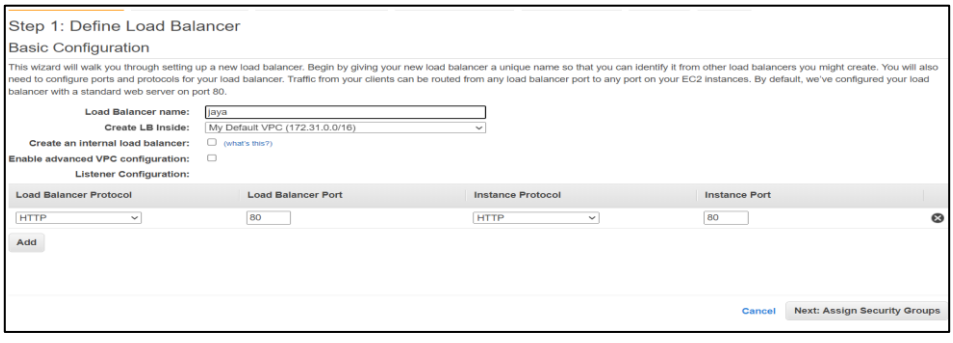
Step7:load balancing--->load balacer--->create load balacer



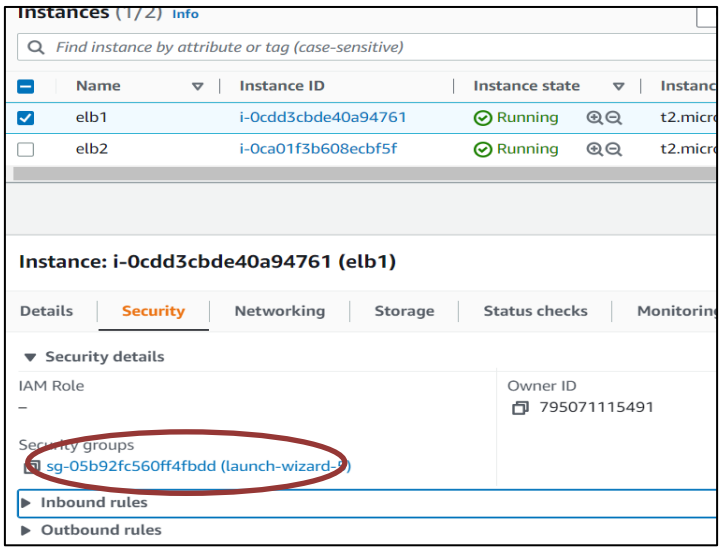
Step8:select load balancer type--->classic load balancer--->create

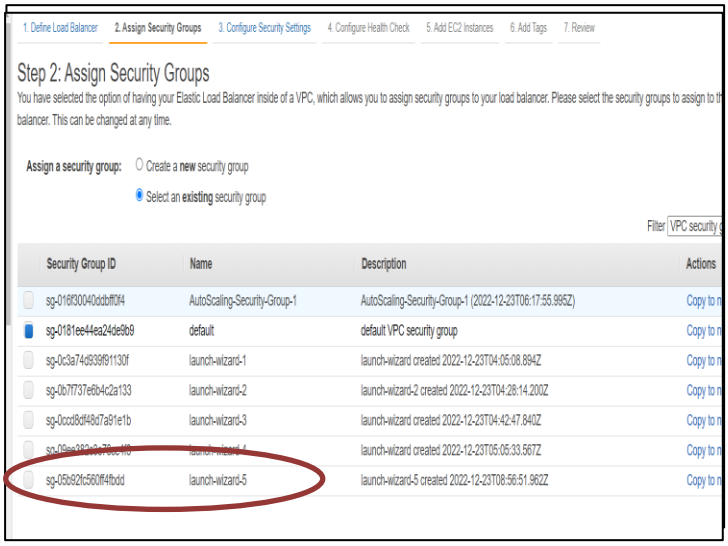


Step9:define load balancer--->any name(eg.jaya)--->next

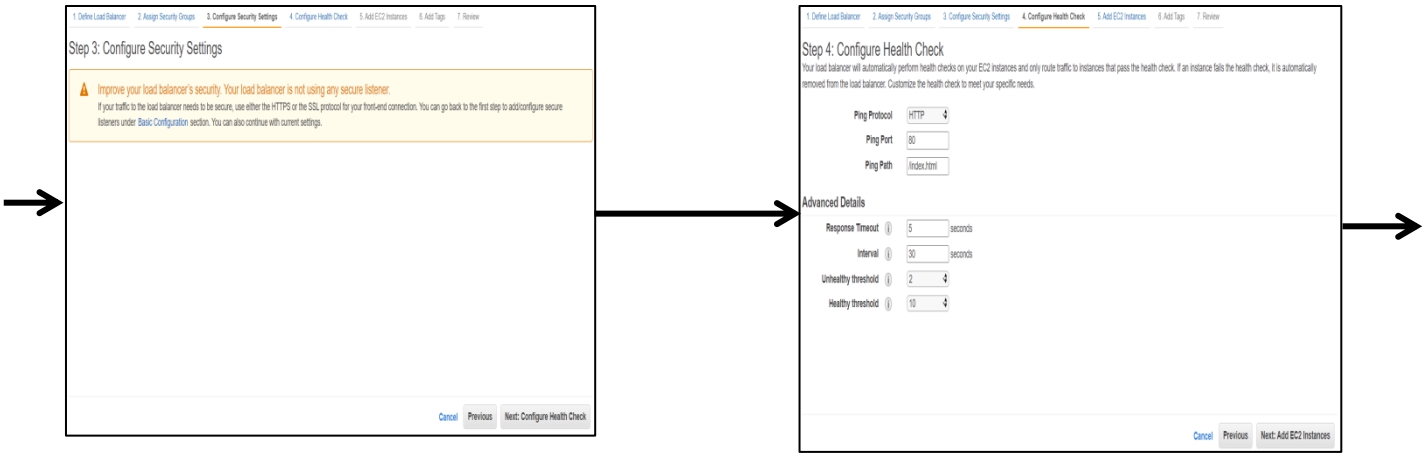


Step10:assign security group--->select exiting security group(instance security



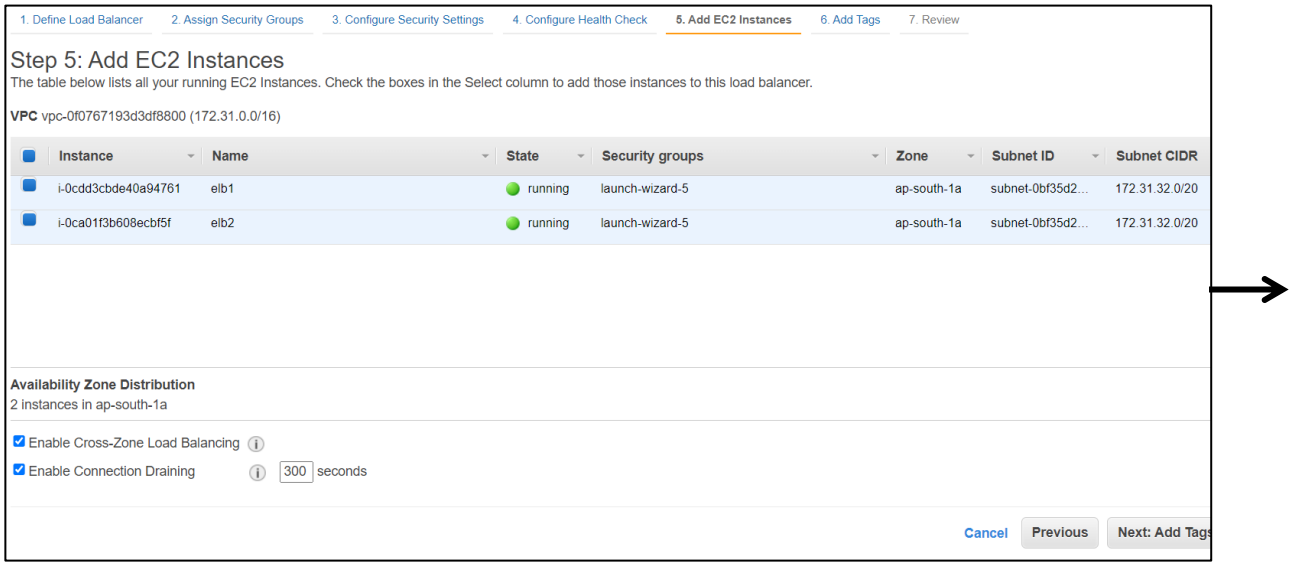


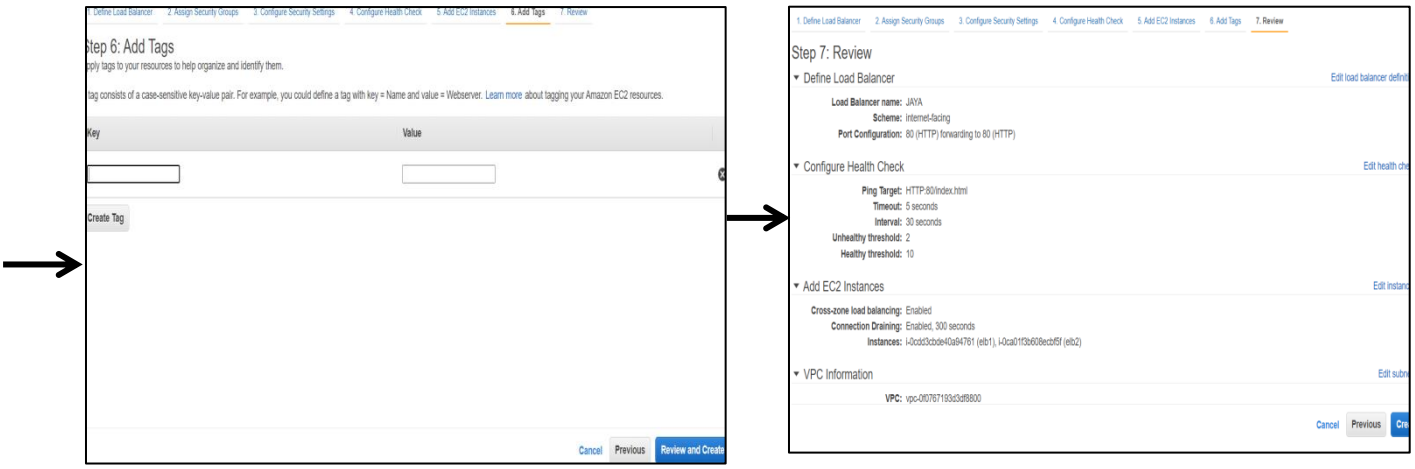
Instance security groups --->match same security group select -->next



Configure security setting **Configure health check**

Two instance select--->next

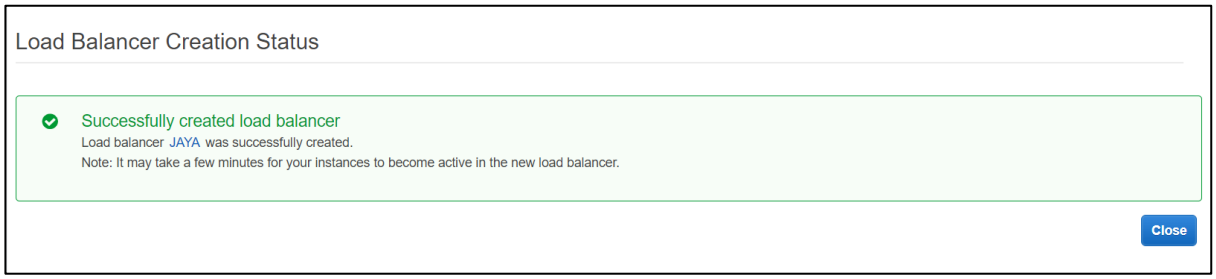




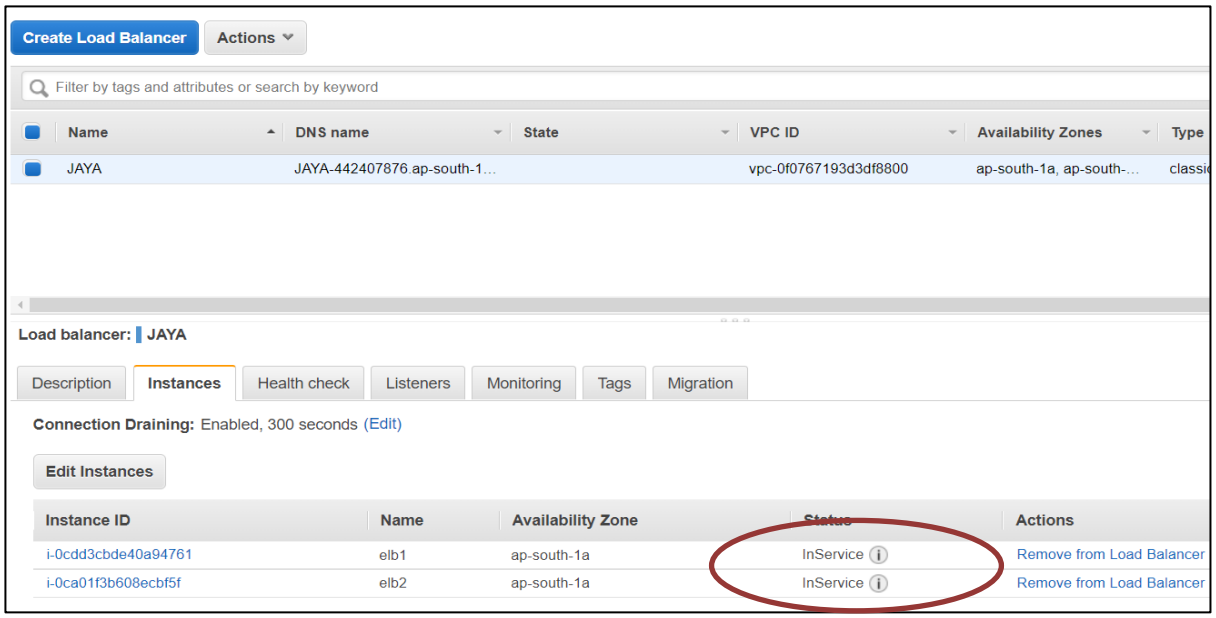
Review and create

create

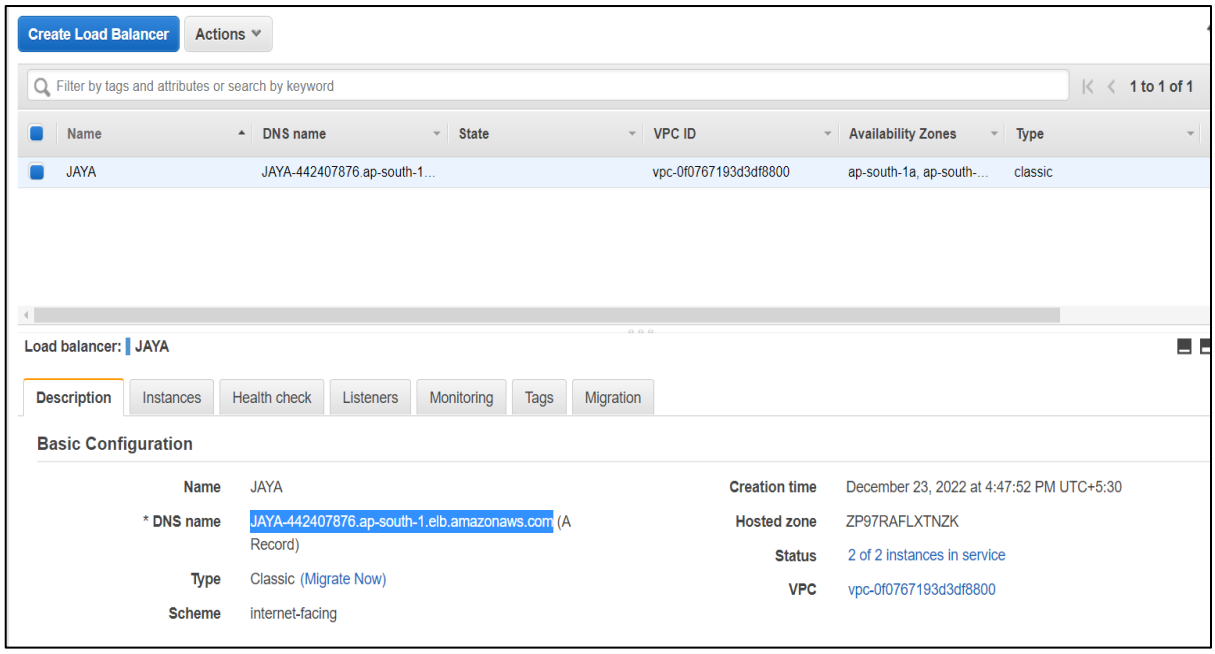
Load balacer created



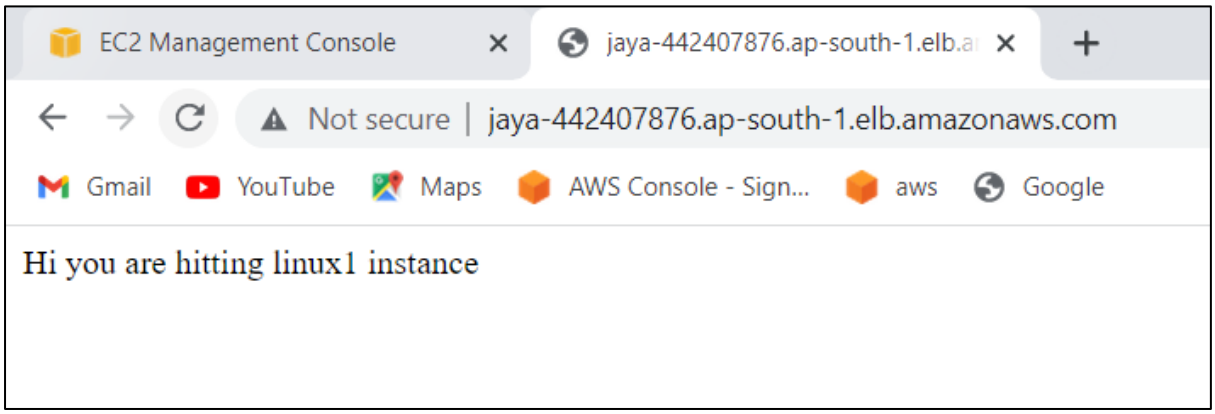
Step11:load balancer home-->instance-->instance id---->inservice(done)



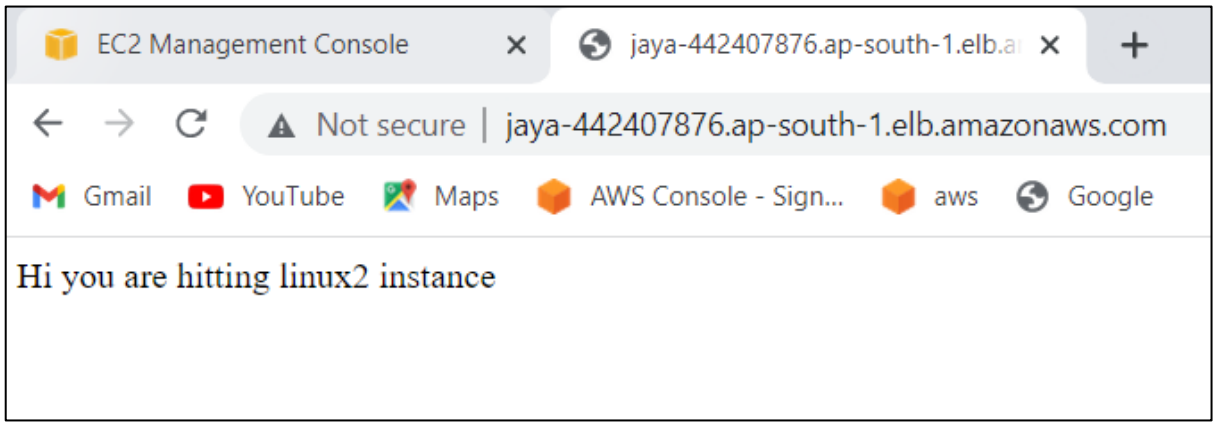
Step12:load balacer home--->description--->**DNS** name(copy)



Step12:DNS name-->JAYA-442407876.ap-south-1.elb.amazonaws.com--->copy and put chrome text box



Refresh chrome---->shown linux2



Finally elastic load balacer is work