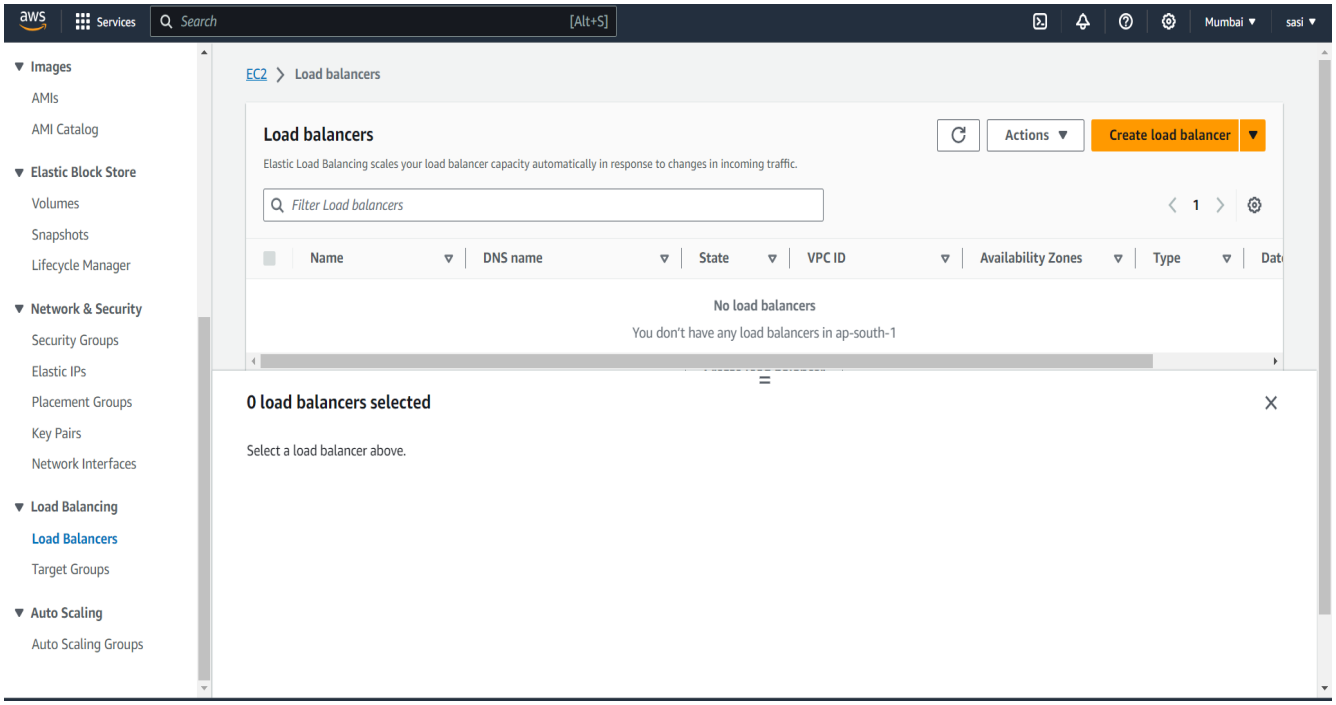
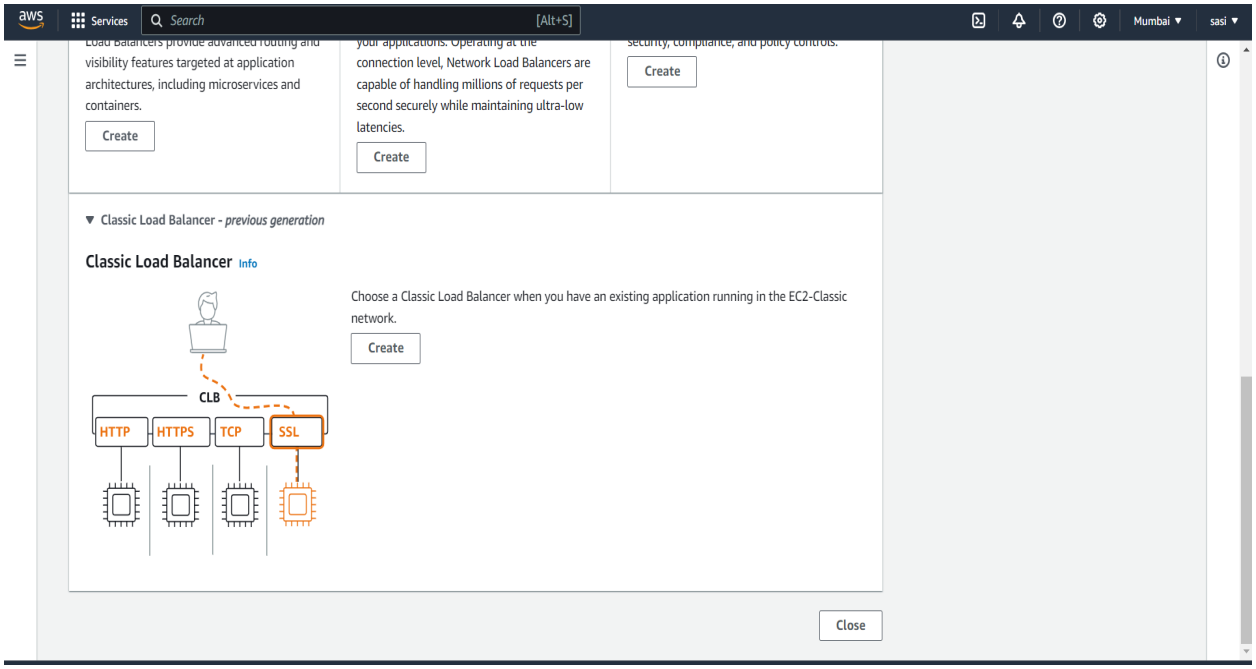
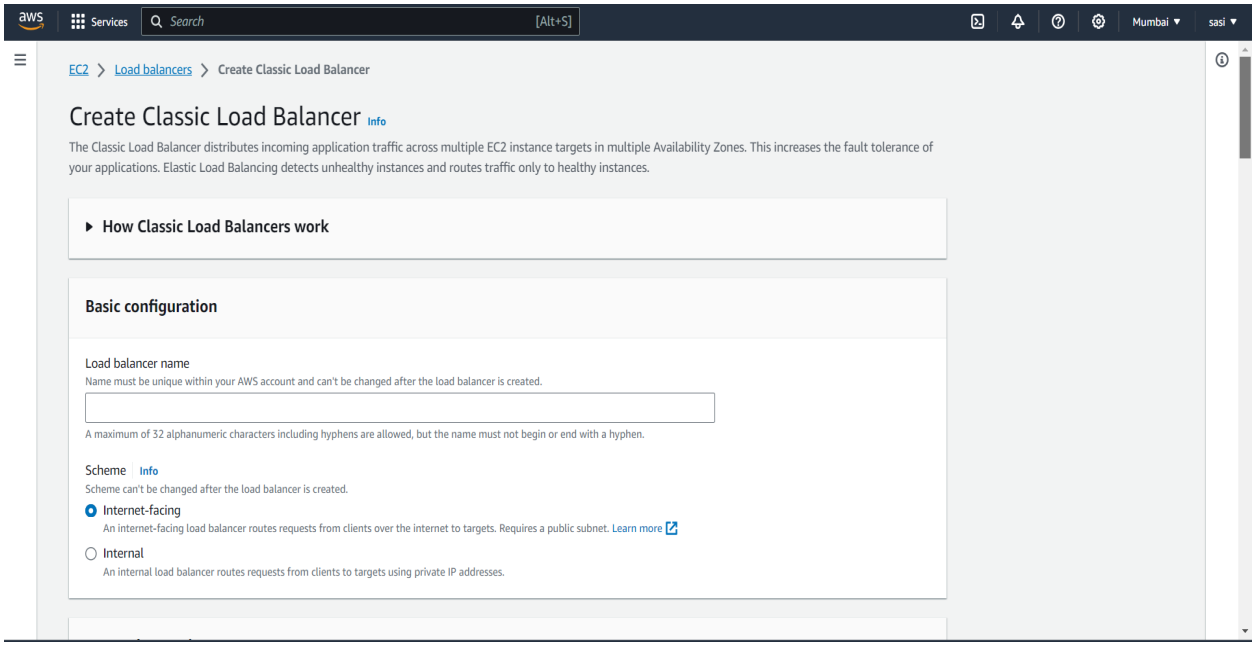
# 1. Create a Classic Load Balancer

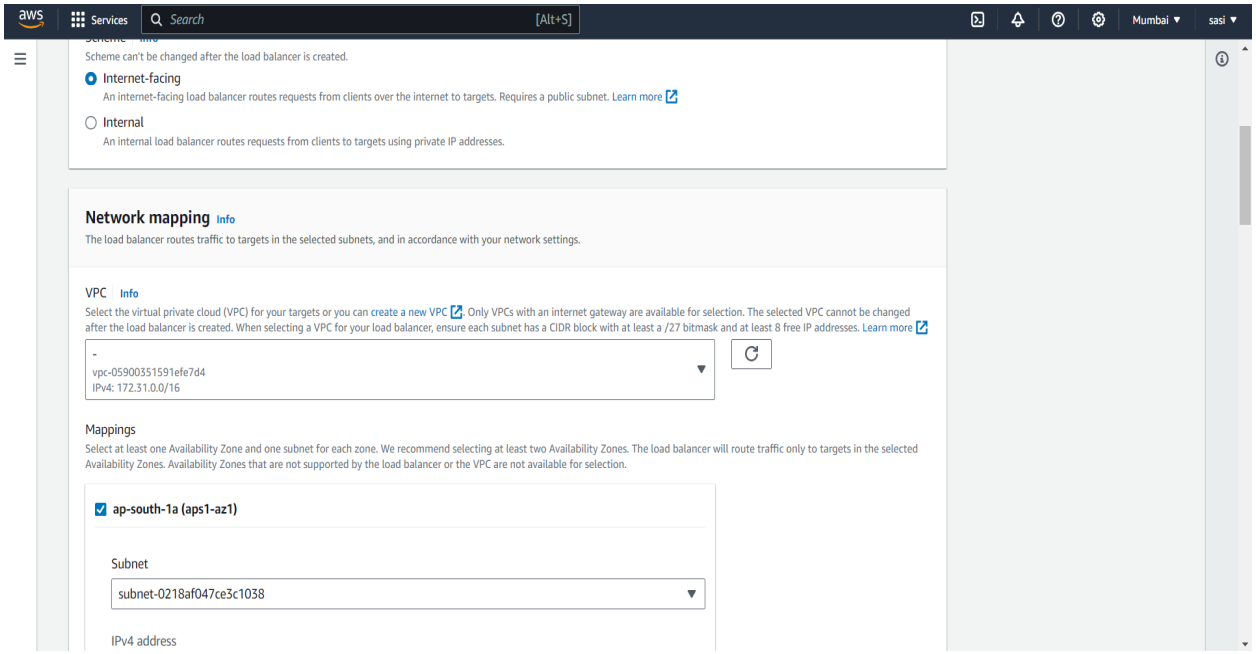



Click on load balancers
There you will find types of load balancers

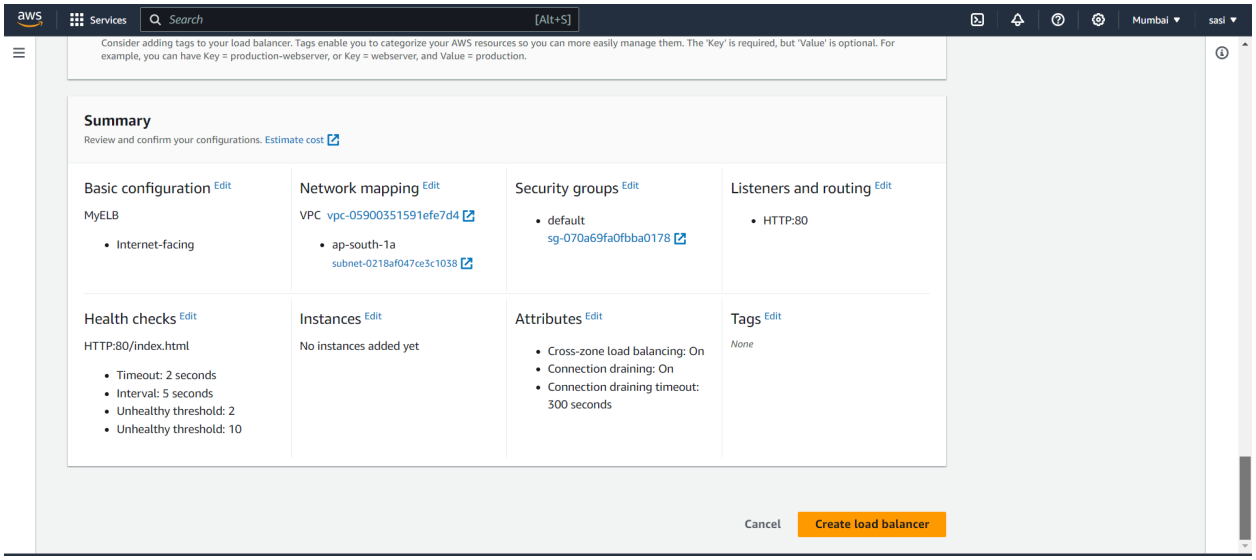


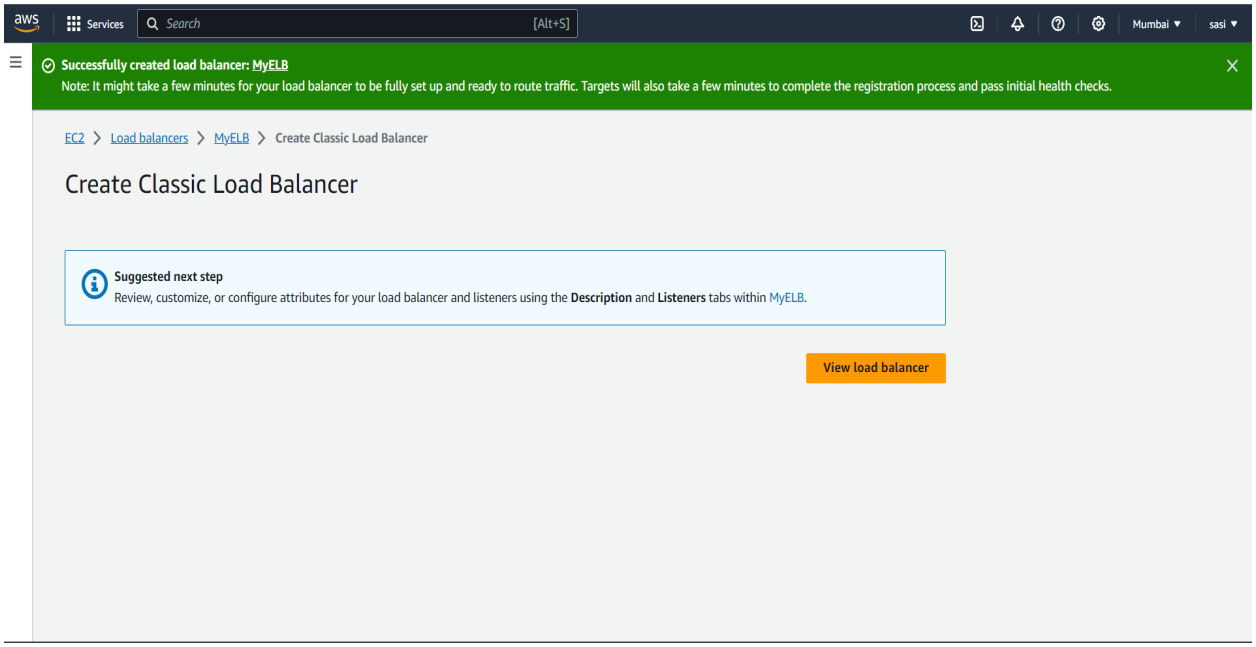

Click on classic load balancer.



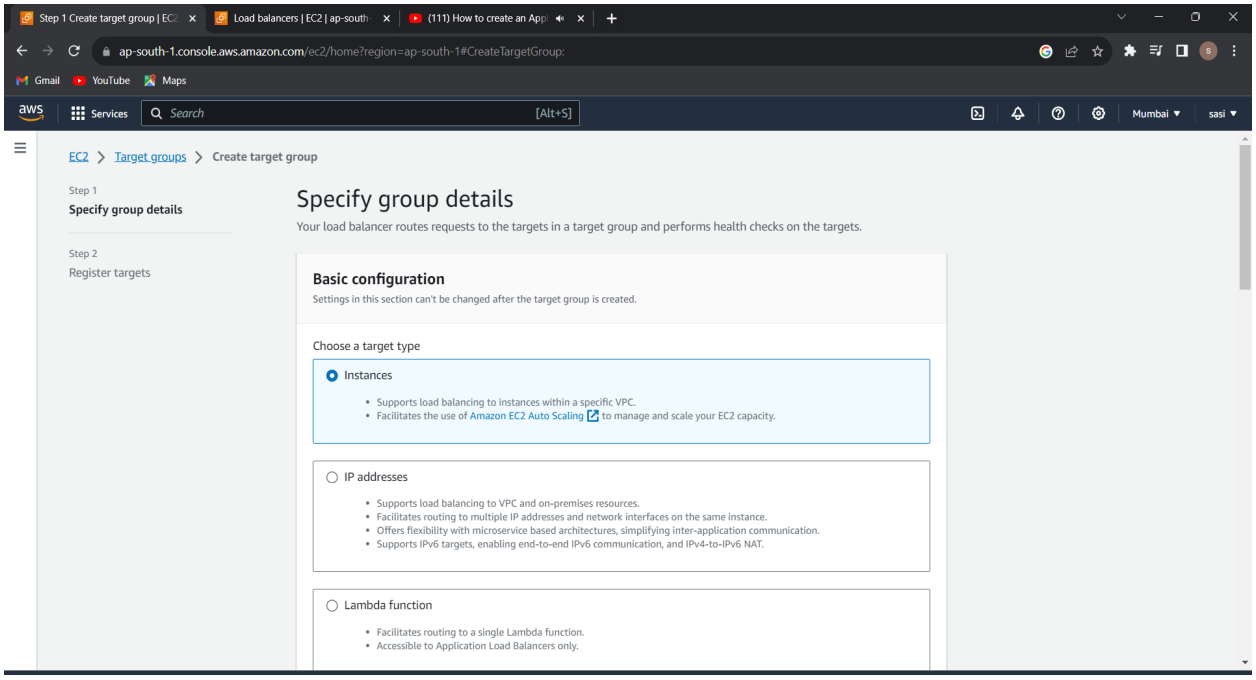

Select the sub nets and regions.

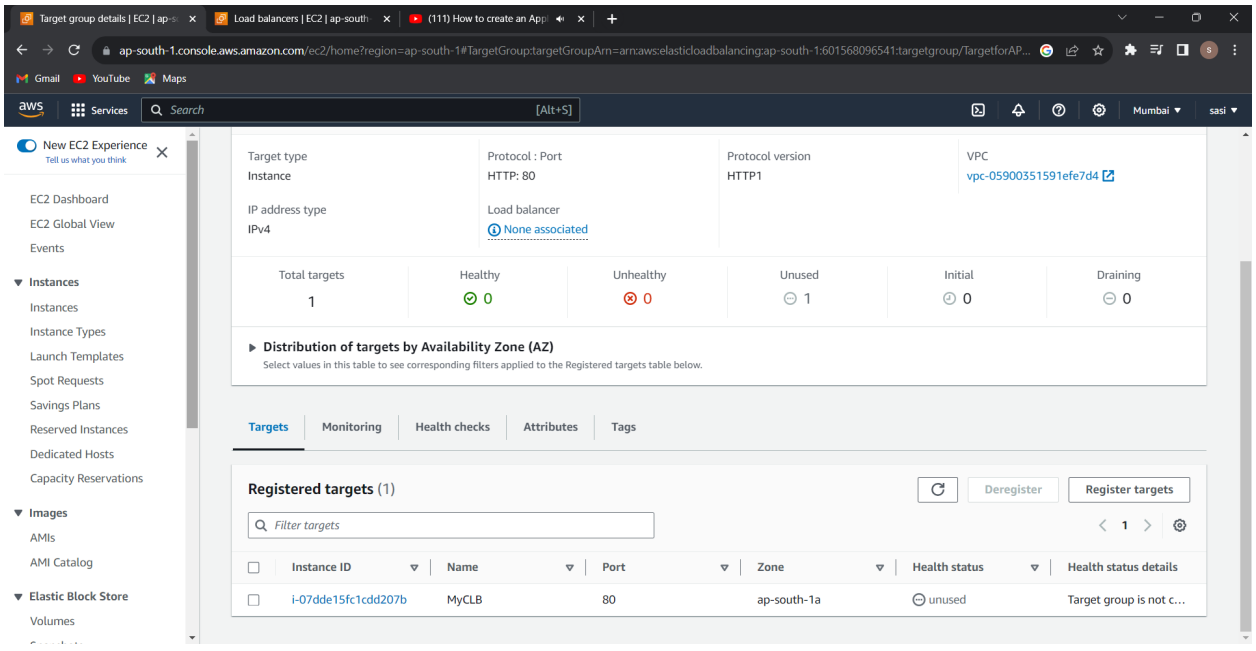

aws
Services
Search
[Alt+S]
Mumbai
sasi
Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them. The 'Key' is required, but 'Value' is optional. For example, you can have Key = production-webserver, or Key = webserver, and Value = production.
Summary
Review and confirm your configurations. Estimate cost
Basic configuration Edit
MyELB
Internet-facing
Network mapping Edit
VPC vpc-05900351591efe7d4
ap-south-1a
subnet-0218af047ce3c1038
Security groups Edit
default
sg-070a69fa0fbba0178
Listeners and routing Edit
HTTP:80
Health checks Edit
HTTP:80/index.html
Timeout: 2 seconds
Interval: 5 seconds
Unhealthy threshold: 2
Unhealthy threshold: 10
Instances Edit
No instances added yet
Attributes Edit
Cross-zone load balancing: On
Connection draining: On
Connection draining timeout: 300 seconds
Tags Edit
None
Cancel
Create load balancer

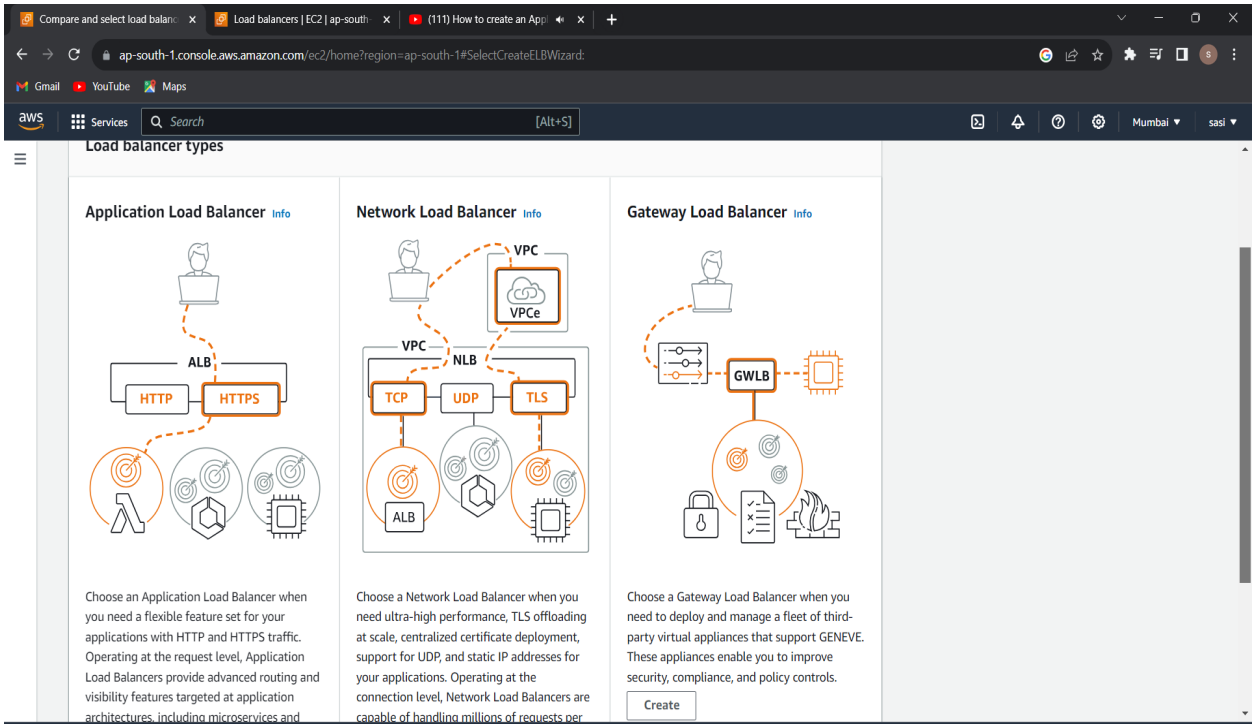

aws
Services
Search
[Alt+S]
Mumbai
sasi
Successfully created load balancer: MyELB
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
EC2
Load balancers
MyELB
Create Classic Load Balancer
Create Classic Load Balancer
Suggested next step
Review, customize, or configure attributes for your load balancer and listeners using the Description and Listeners tabs within MyELB.
View load balancer

# 2. Create an Application Load Balancer.

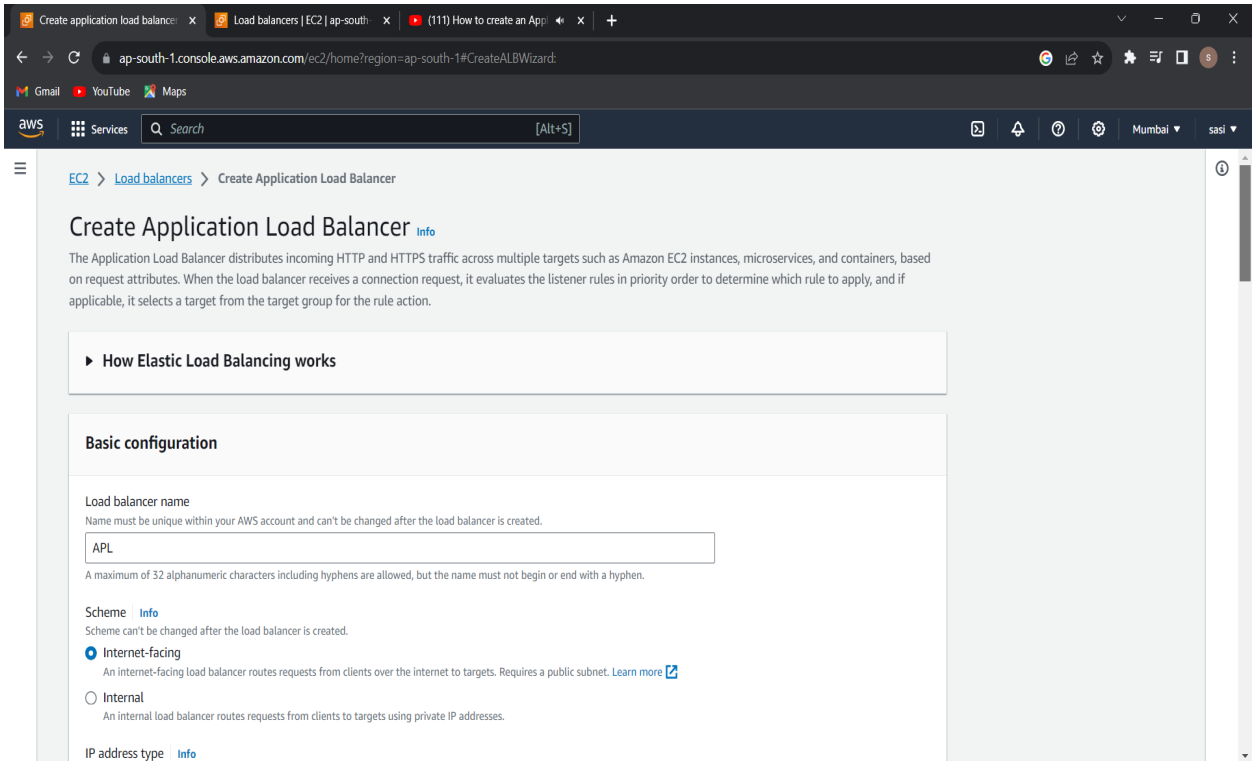
Before you have to create a Target group.

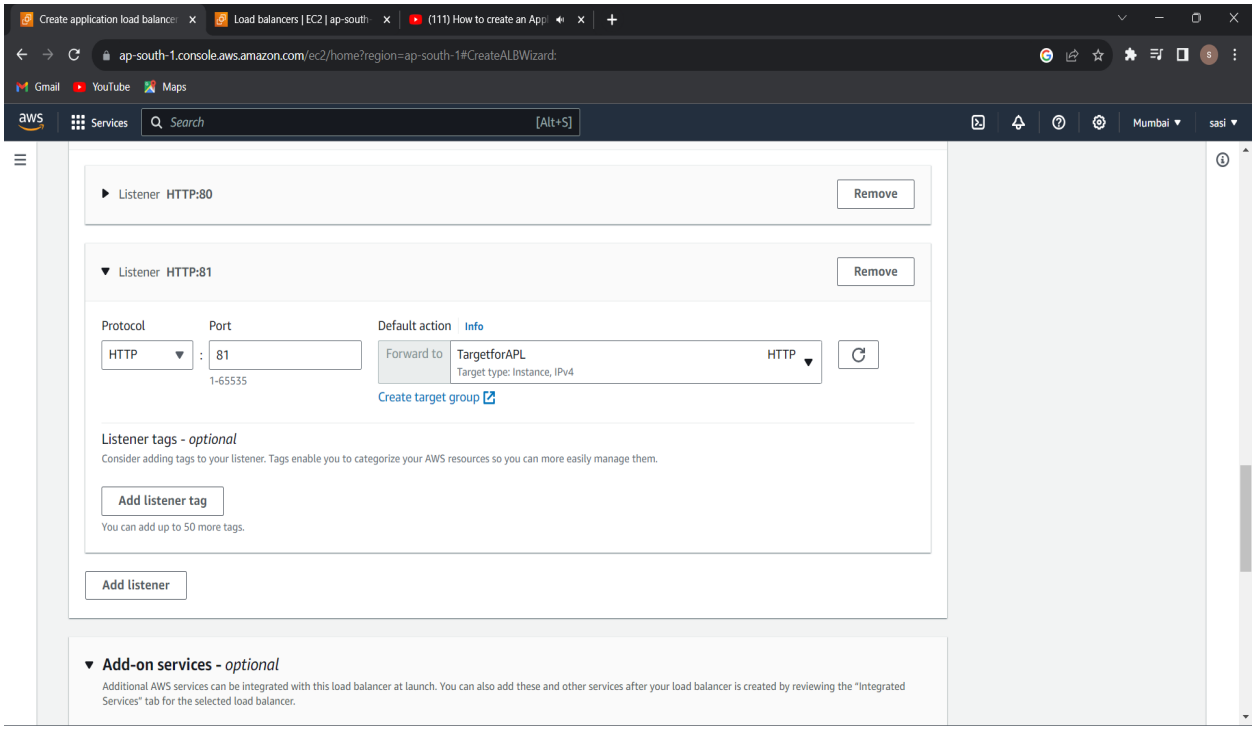


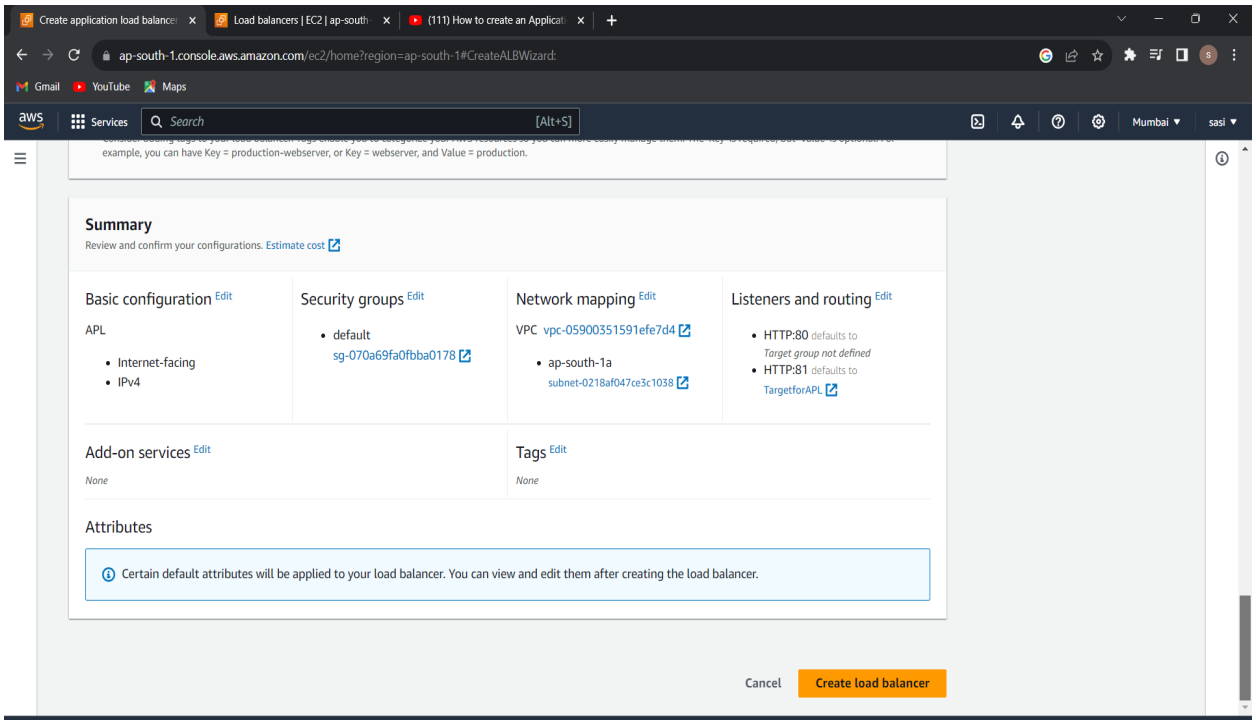



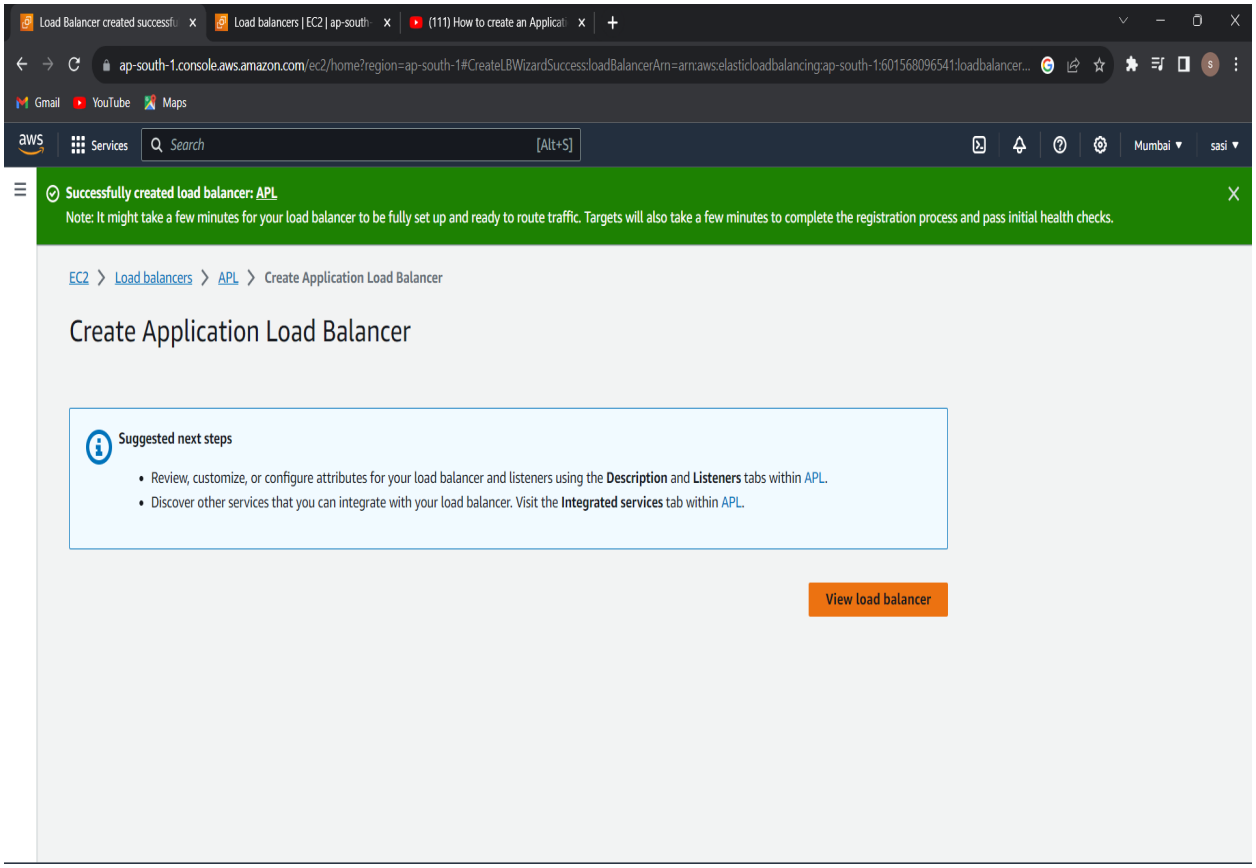



Click on Application load balancer.

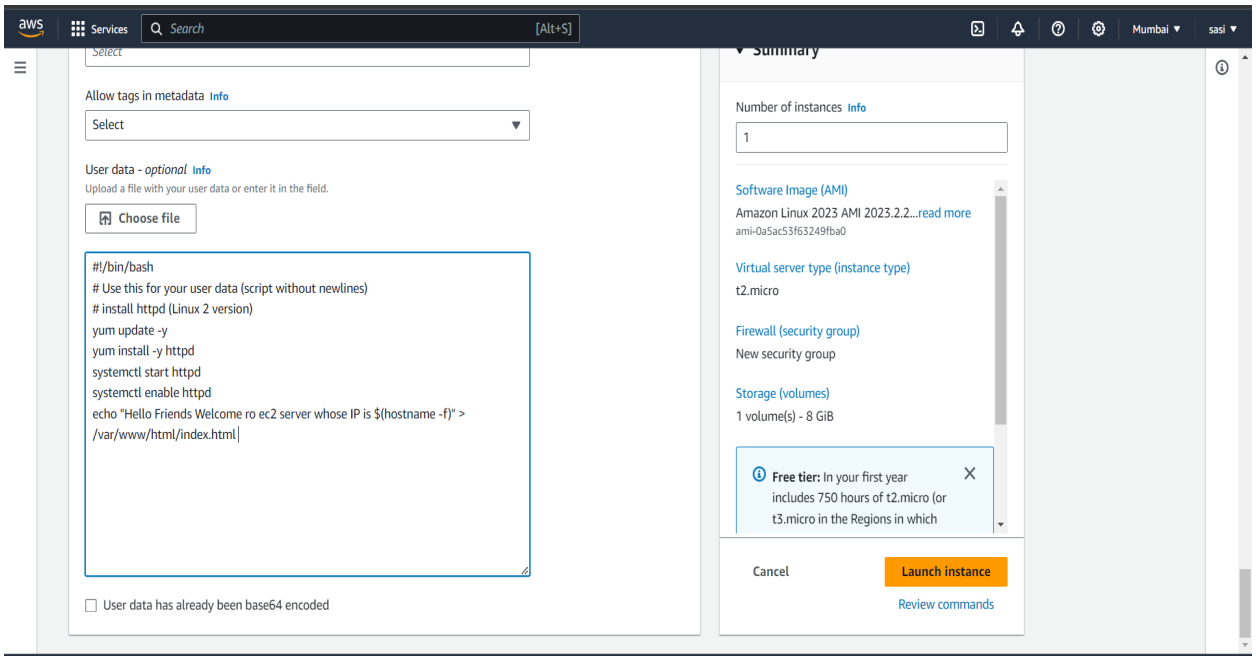


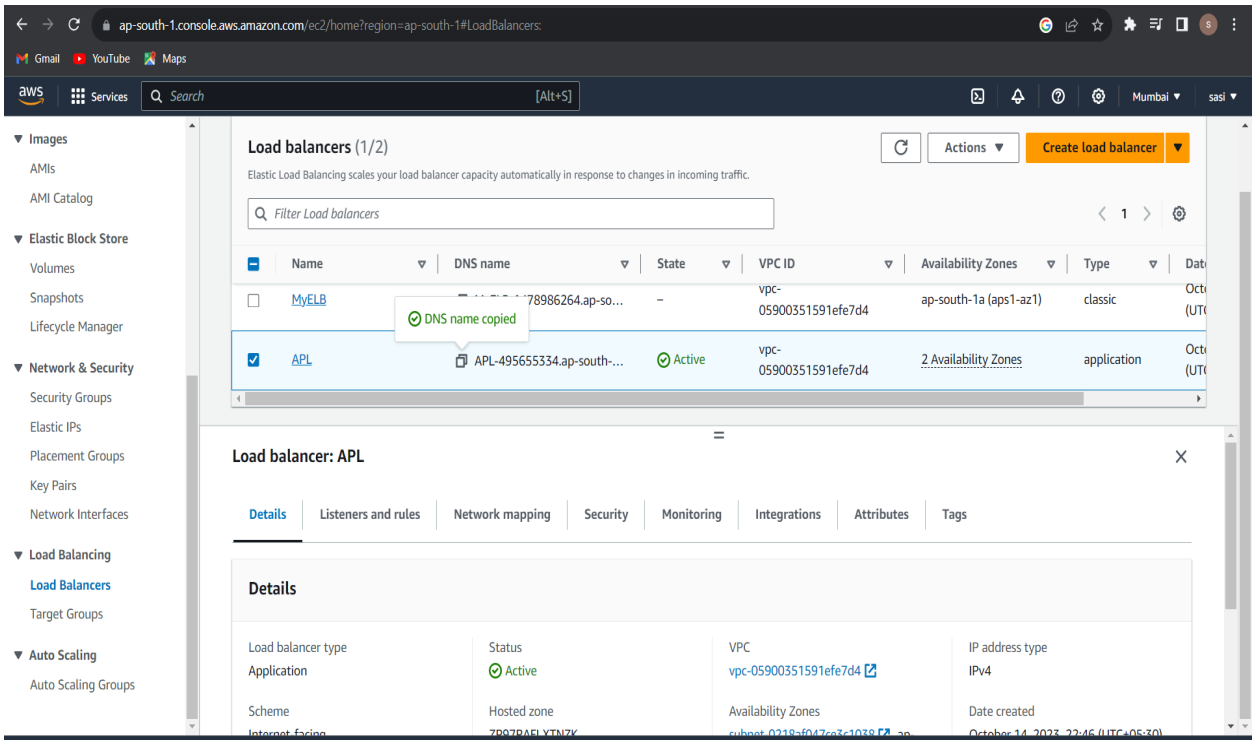

Create application load balancer
Load balancers | EC2 | ap-south-1
(111) How to create an Application load balancer
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
Mumbai
sasi
Listener HTTP:80
Remove
Listener HTTP:81
Remove
Protocol
Port
Default action
Info
HTTP
81
1-65535
Forward to
TargetforAPL
Target type: Instance, IPv4
HTTP
Create target group
Listener tags - optional
Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.
Add listener tag
You can add up to 50 more tags.
Add listener
Add-on services - optional
Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.


Create application load balancer
Load balancers | EC2 | ap-south-1
(111) How to create an Application load balancer
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateALBWizard:
Gmail
YouTube
Maps
aws
Services
Search
[Alt+S]
Mumbai
sasi
example, you can have Key = production-webserver, or Key = webserver, and Value = production.
Summary
Review and confirm your configurations. Estimate cost
Basic configuration Edit
APL
Internet-facing
IPv4
Security groups Edit
default
sg-070a69fa0fbba0178
Network mapping Edit
VPC vpc-05900351591efe7d4
ap-south-1a
subnet-0218af047ce3c1038
Listeners and routing Edit
HTTP:80 defaults to
Target group not defined
HTTP:81 defaults to
TargetforAPL
Add-on services Edit
None
Tags Edit
None
Attributes
Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.
Cancel
Create load balancer

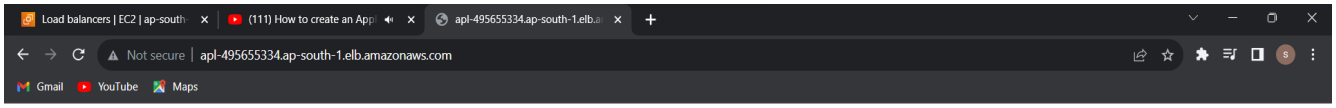



I have attached an instance to the APL load balancer.
And i have given some command given some description on instance user option



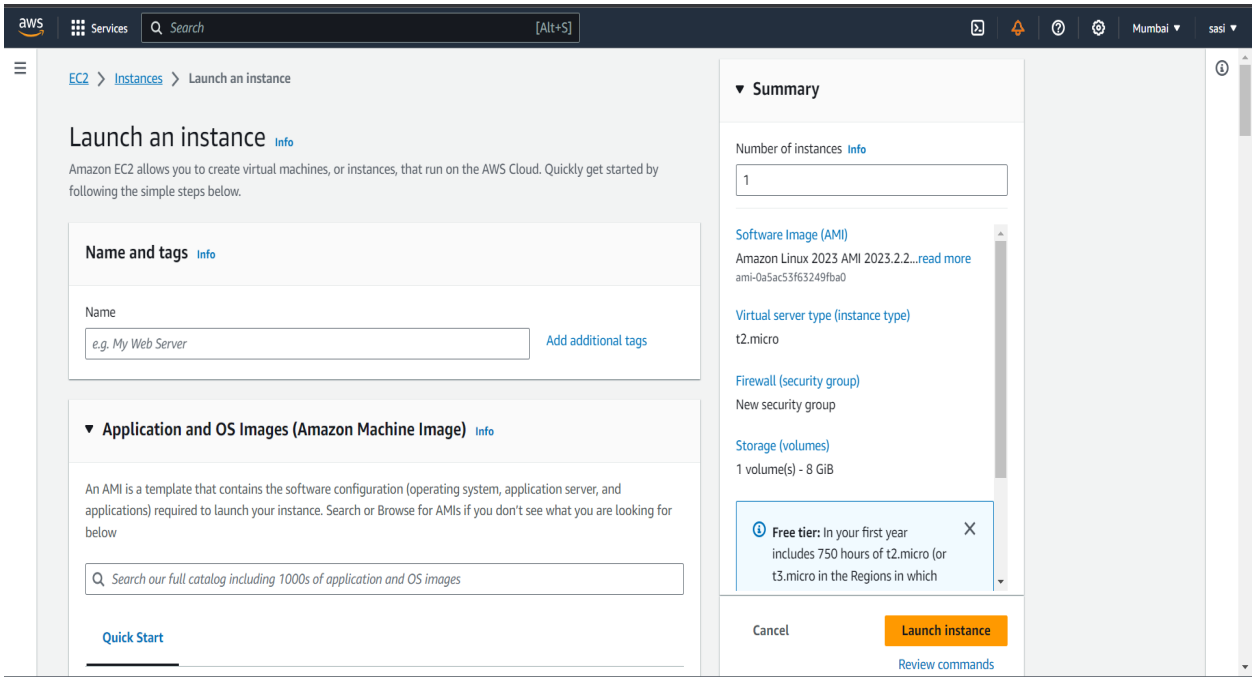

Next copy DNS and access it it will show like below.

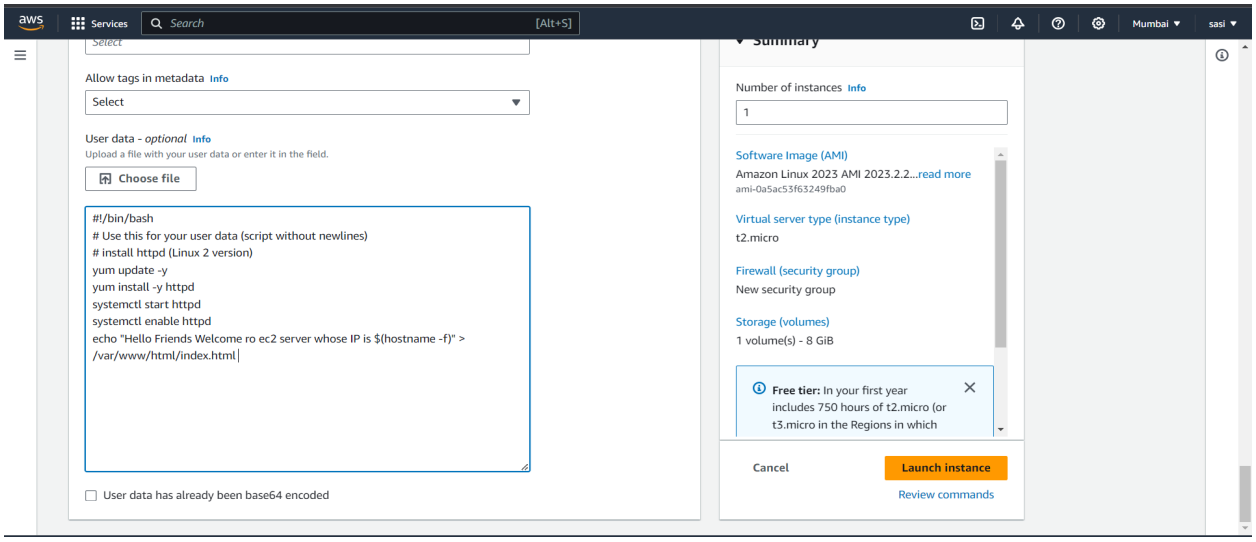



Hello Friends Welcome ro ec2 server whose IP is ip-172-31-37-102.ap-south-1.compute.internal

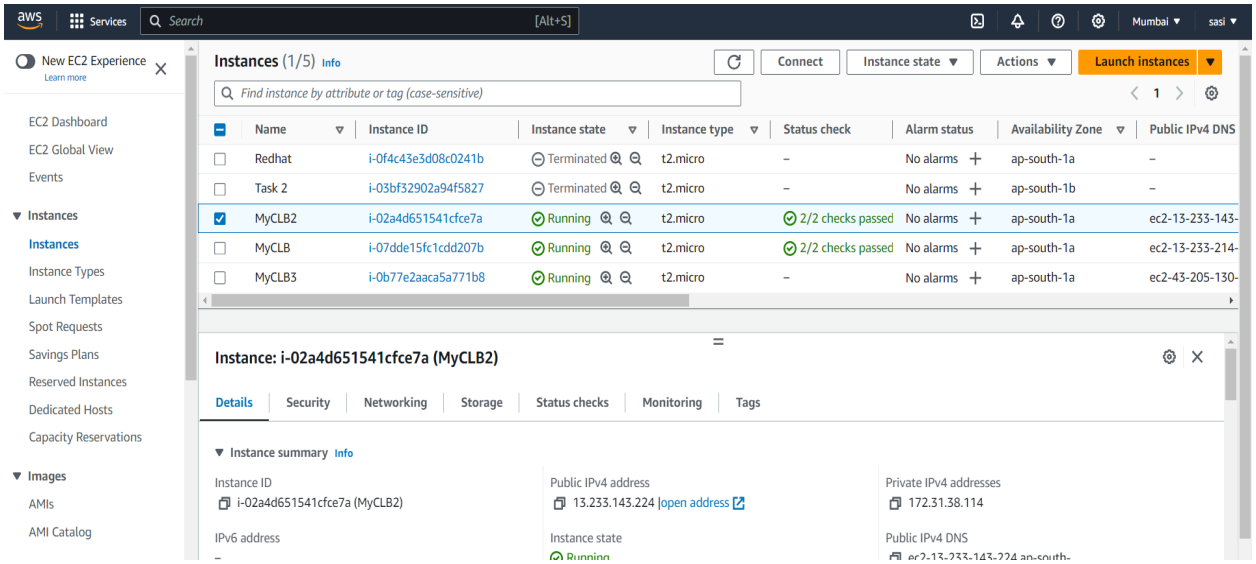
## 3. Create a Classic Load Balancer and register 3 EC2 instances with different web pages running in them.

I already created a Classic load balancer.
Now create 3 instances



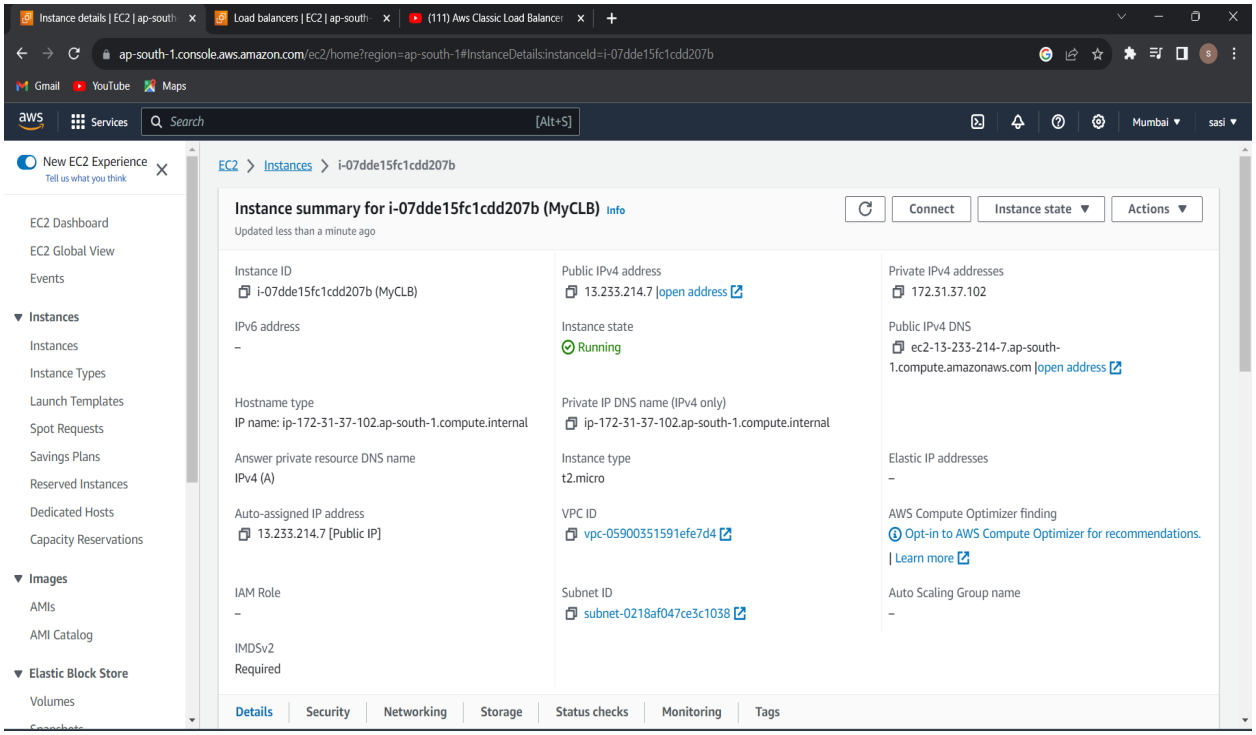




We had given user data.when we access public ip after launching instance it will display web page what you have given in user data.

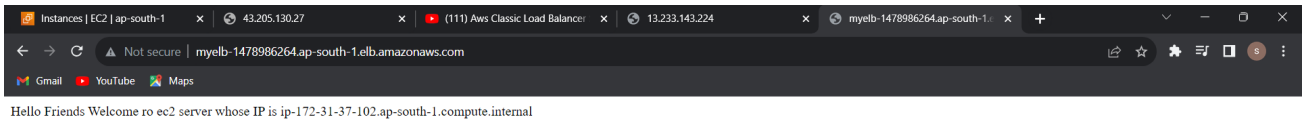



And connect those 3 instances to my Classic Load Balancer.
And access each ip address  on web page it will display like this.

My first Instance web



Access the  private ip4 address it will display what i have given in user data in instance.

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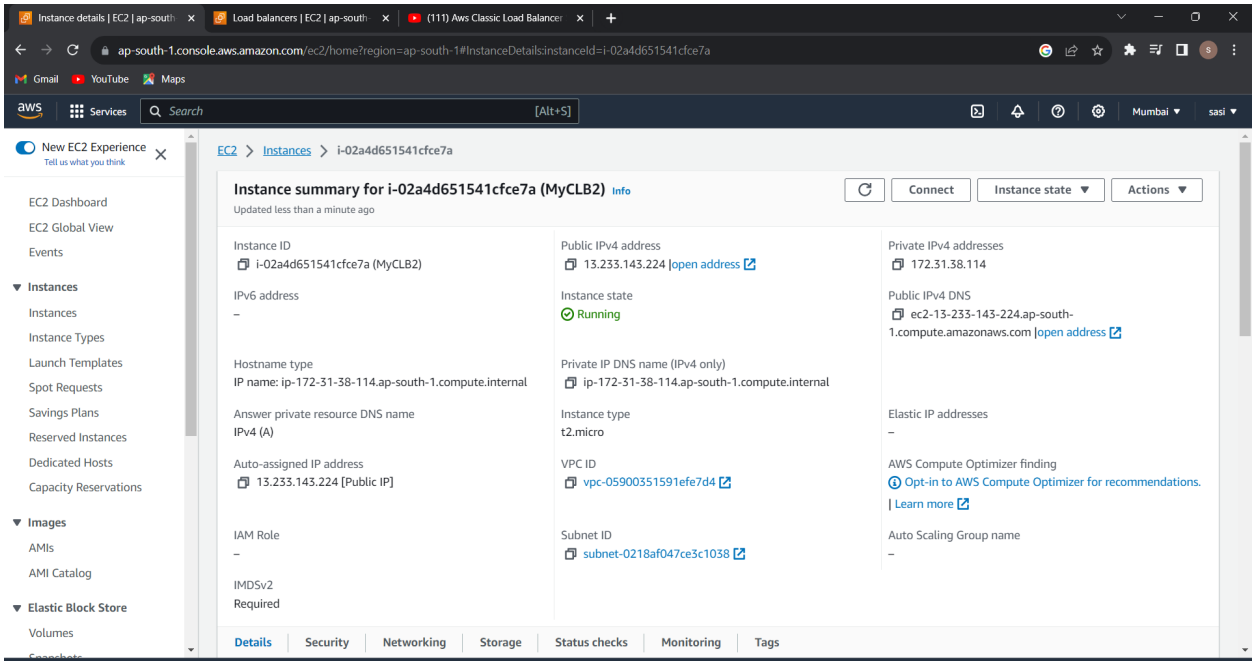
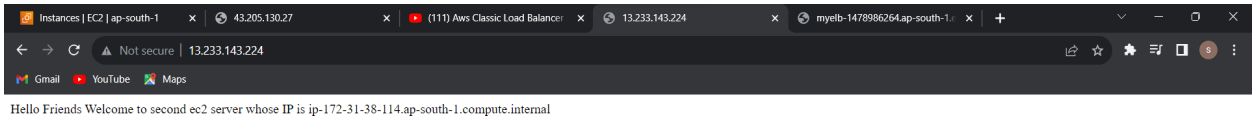
Second instance web



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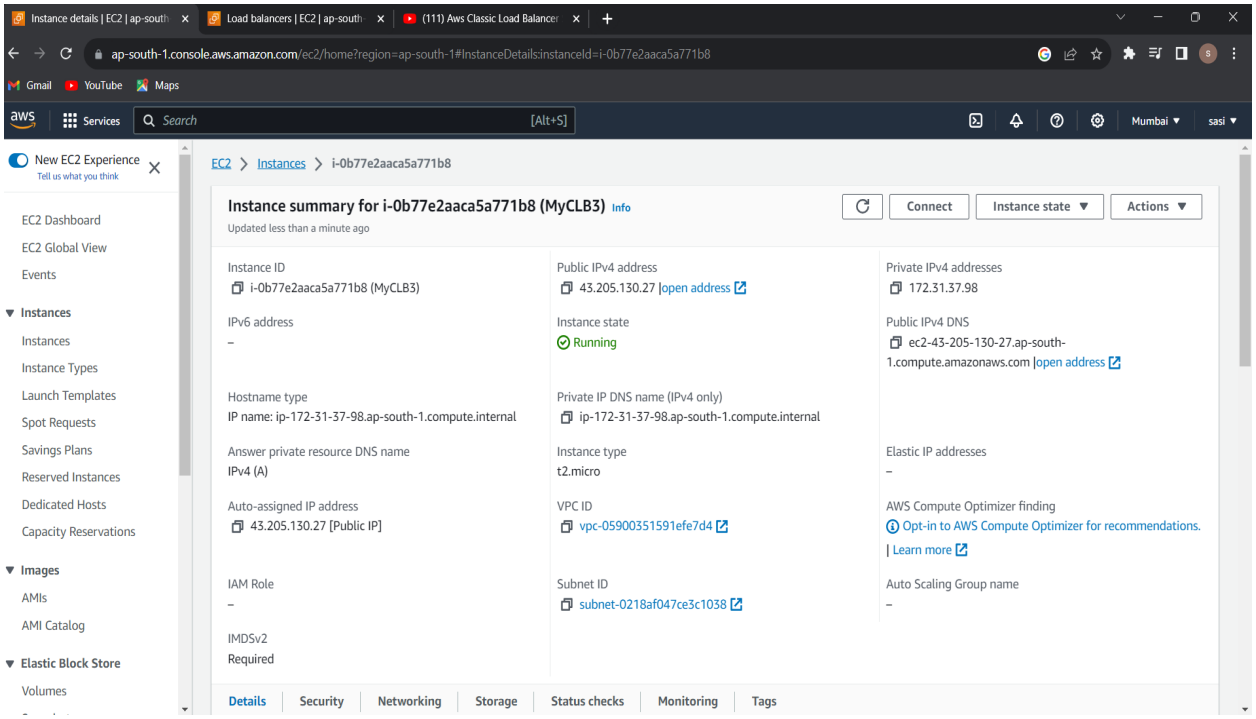
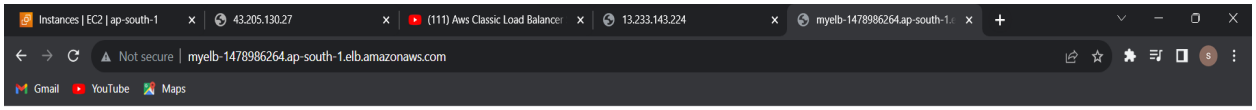
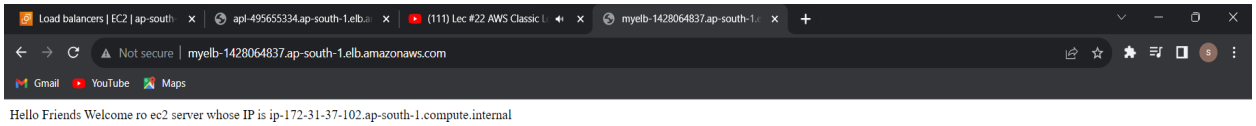
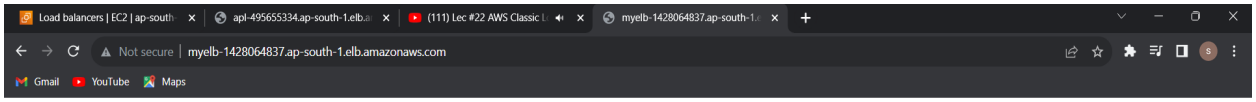
Third web instance.



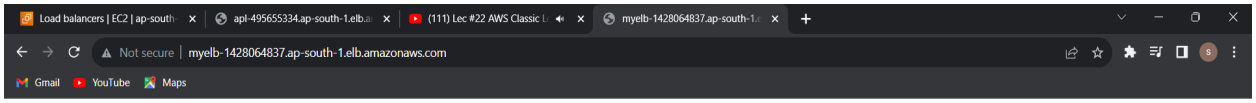



When you attach instances to classic load balancer and you access the classic load blancer DNS all 3 web pages will display like this.





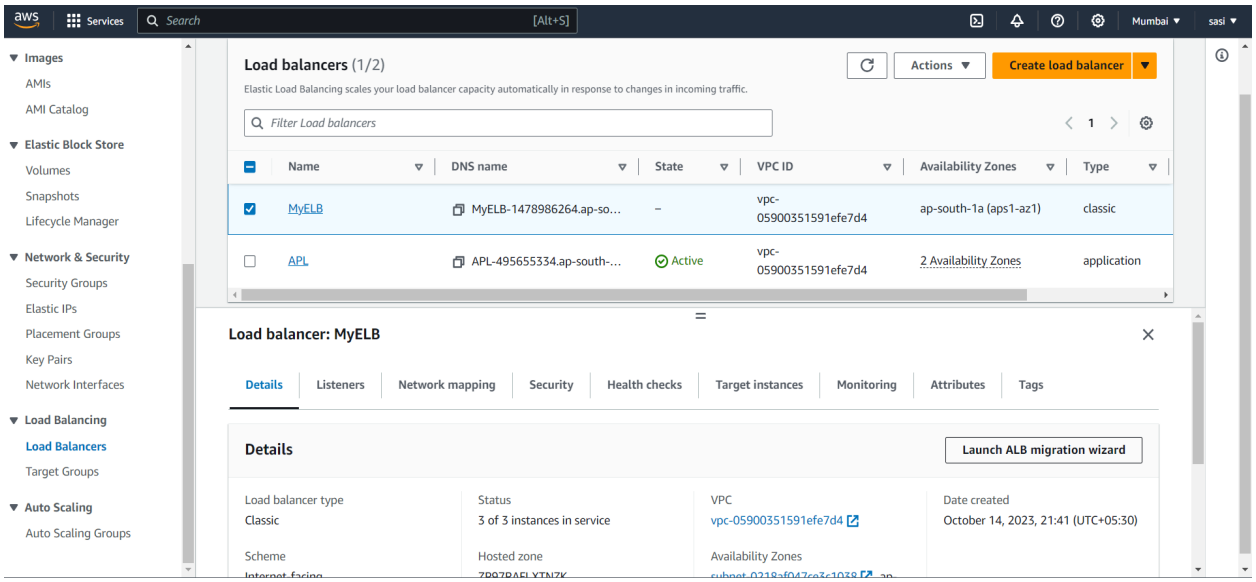

Hello Friends Welcome to second ec2 server whose IP is ip-172-31-38-114.ap-south-1.compute.internal

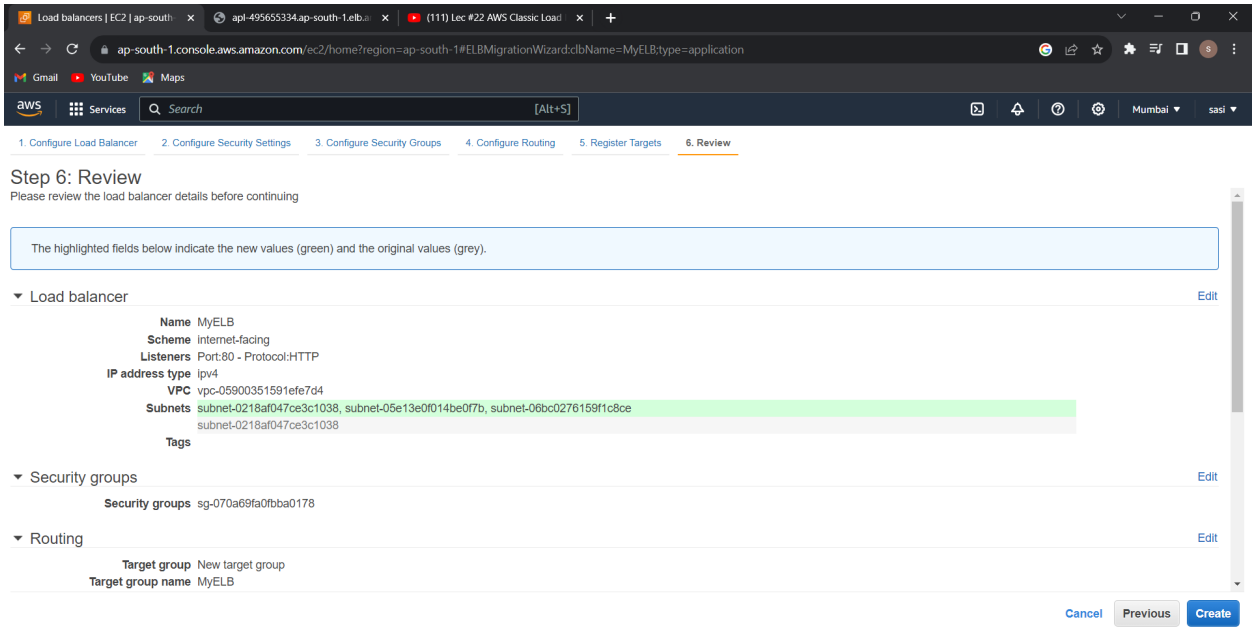



Hello Friends Welcome to Third ec2 server whose IP is ip-172-31-37-98.ap-south-1.compute.internal

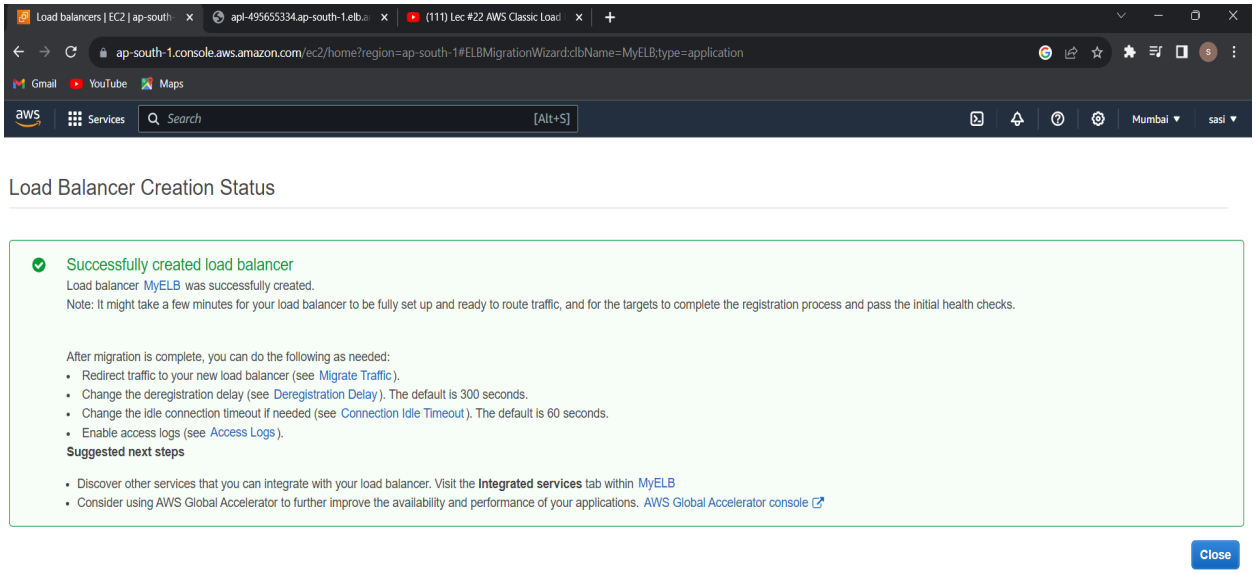
4. Migrate the Classic Load Balancer into an Application Load Balancer.

When we open classic load balancer summary in details we will find launch ALB migration wizard click on that.

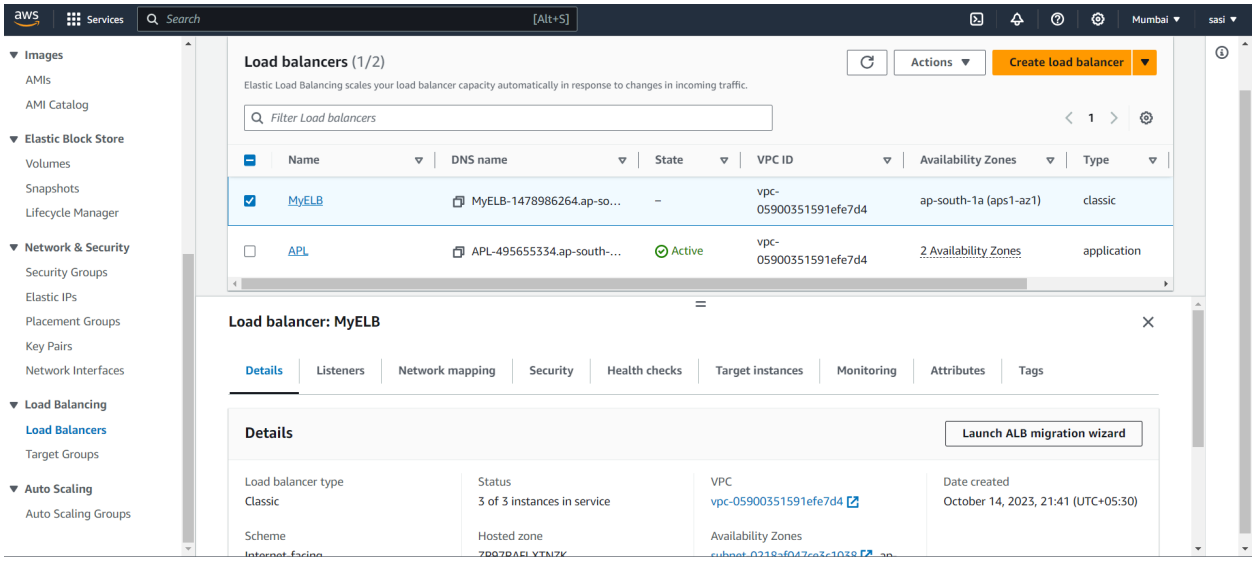


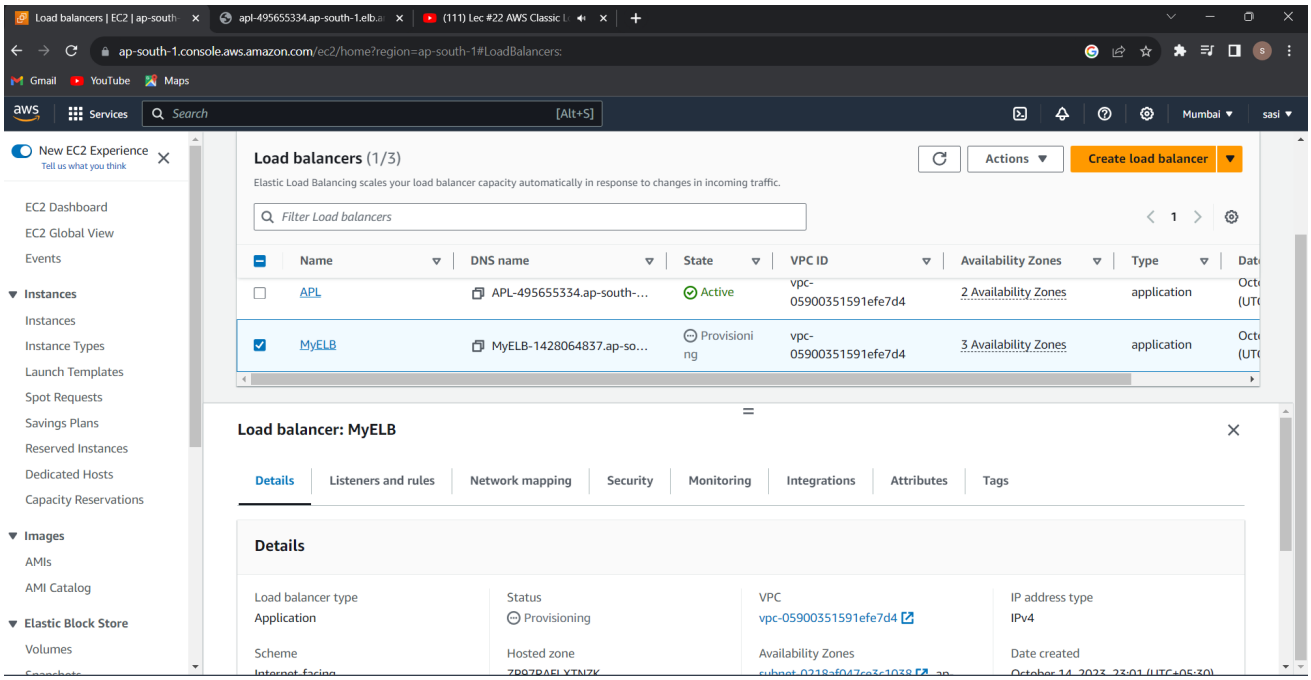

Connect minimum 2 or more subnets to that and click on review and create.




Below image is before migration see the DNS IP You will find difference.




After migration below image.




No change while accessing the all 3 web pages.it will display same data what you have given in user data.