

Assignment 4

Problem Statement:

You work for a corporation that uses on premise solutions and some limited number of systems. With the increase in requests in their application, the load also increases. So, to handle the load the corporation has to buy more systems almost on a regular basis. Realizing the need to cut down the expenses on systems, they decided to move their infrastructure to AWS.

Tasks To Be Performed:

1. Create a Classic Load Balancer and register 3 EC2 instances with different web pages running in them.
2. Migrate the Classic Load Balancer into an Application Load Balancer.

Solution:

Step1:- Create 3 EC2 instances & register websites onto them

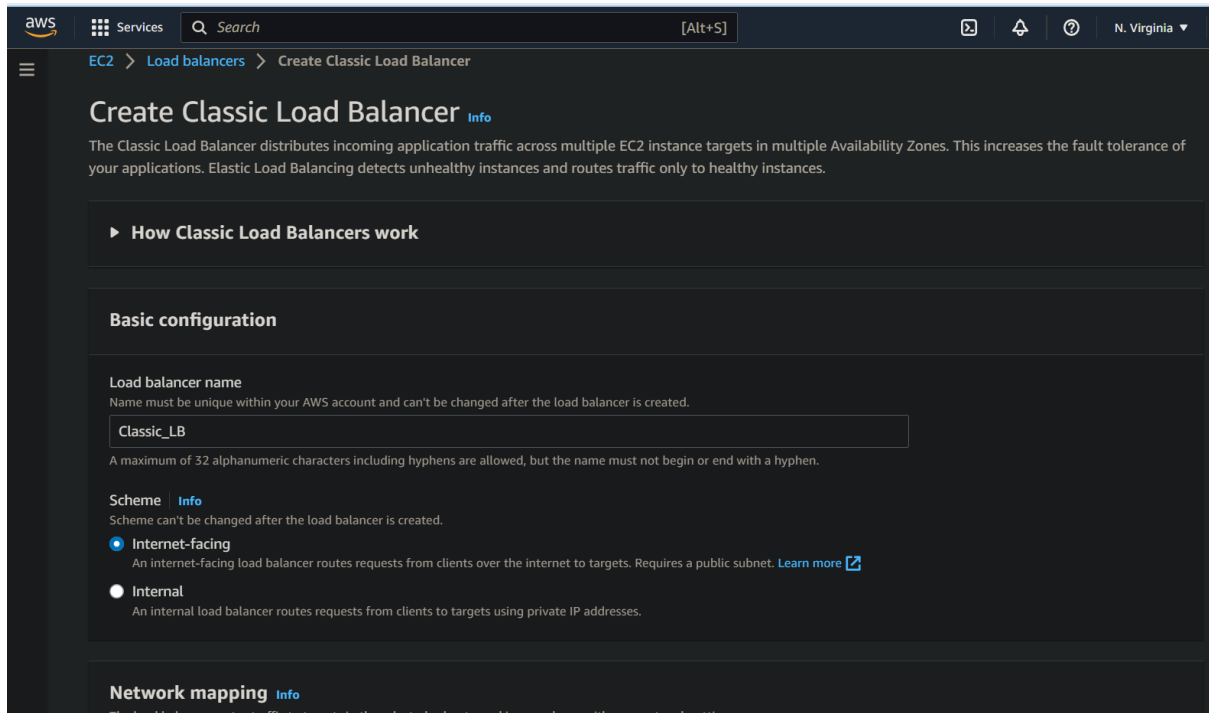
The screenshot displays the AWS Management Console 'Instances' page. It shows three EC2 instances, all in a 'Running' state. Below the console view, a browser window is open, showing the content of one of the EC2 instances, which is 'THIS IS WEBSITE 1'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Web1	i-07592767e0e143260	Running	t2.micro	Initializing	No alarms	us-east-1c
Web2	i-056cd63125f4d8874	Running	t2.micro	Initializing	No alarms	us-east-1c
Web3	i-0a3a7b1387bbc6e77	Running	t2.micro	Initializing	No alarms	us-east-1c

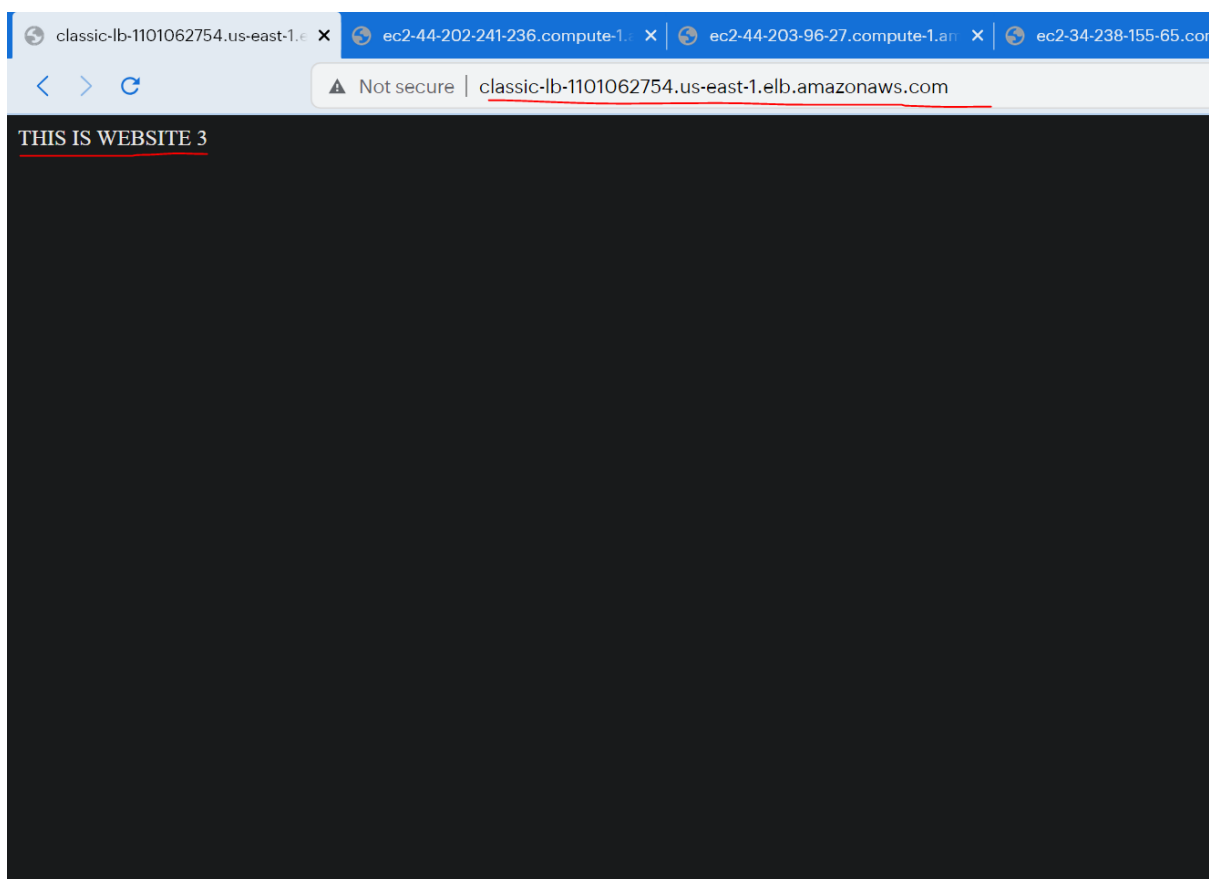
Browser address bar: ec2-44-202-241-236.compute-1.amazonaws.com

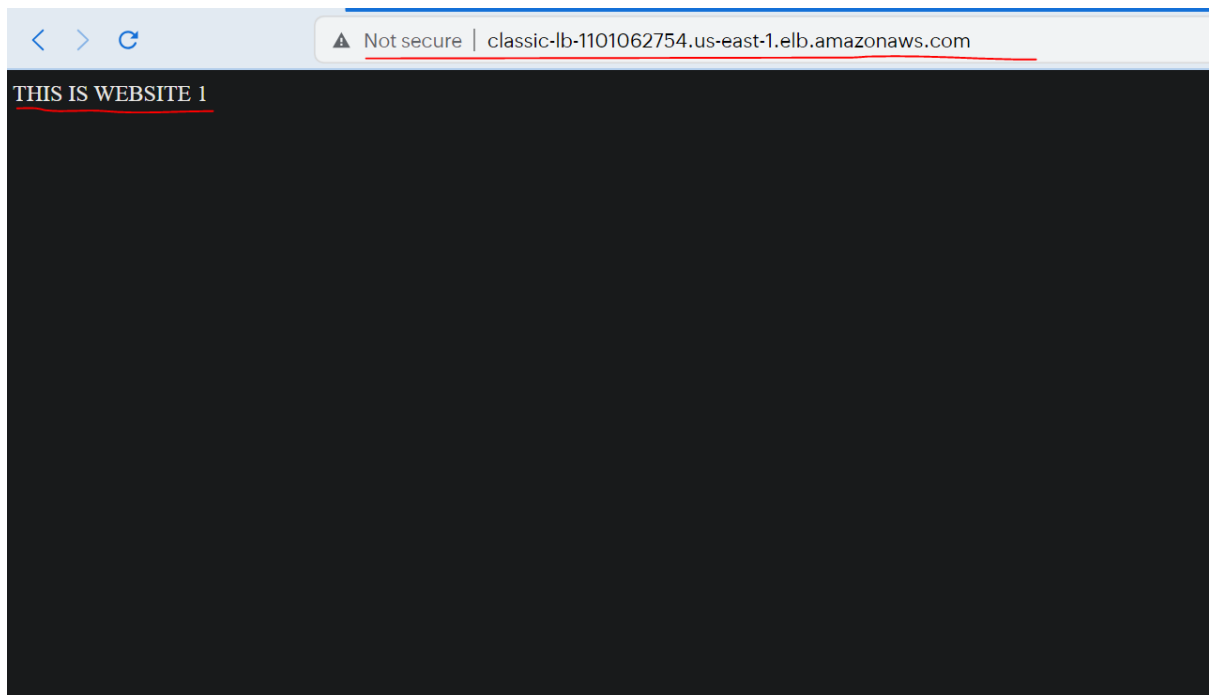
Browser content: THIS IS WEBSITE 1

Step2:- Create Classic Load Balancer

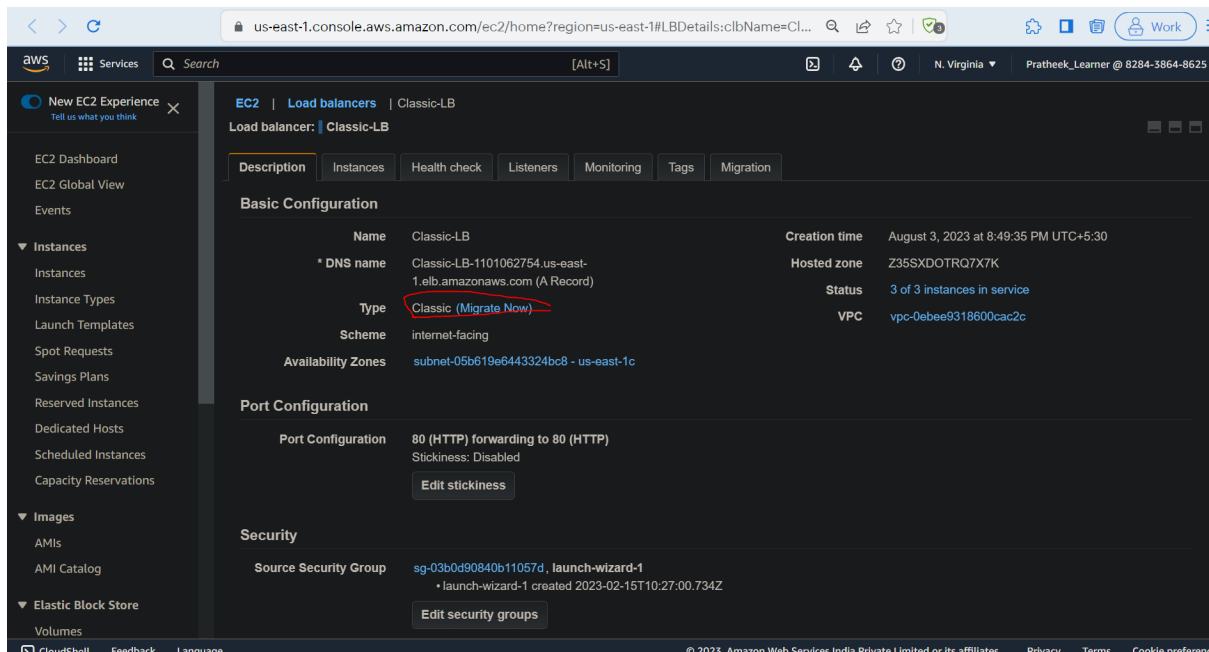


Step3:- Copy the DNS name of Classic LB & check if it redirecting to different web-pages





Step 4:- Now to migrate to ALB, click on migrate now in Classic LB description box.



Load balancers (2)							
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.							<div> <div></div> <div>Actions</div> <div>Create load balancer</div> </div>
<div> <div>Q</div> <div>Find resources by attribute or tag</div> </div>							<div> <div><</div> <div>1</div> <div>></div> <div></div> </div>
	Name	DNS name	State	VPC ID	Availability Zones	Type	
	Classic-LB	Classic-LB-1101062754.us...	-	vpc-0ebee9318600cac2c	us-east-1c (use1-az2)	classi	
	<u>Application-LB</u>	Application-LB-91160044...	Provisioni ng	vpc-0ebee9318600cac2c	<u>2 Availability Zones</u>	applic	

Step 5:- Migration successful.

