

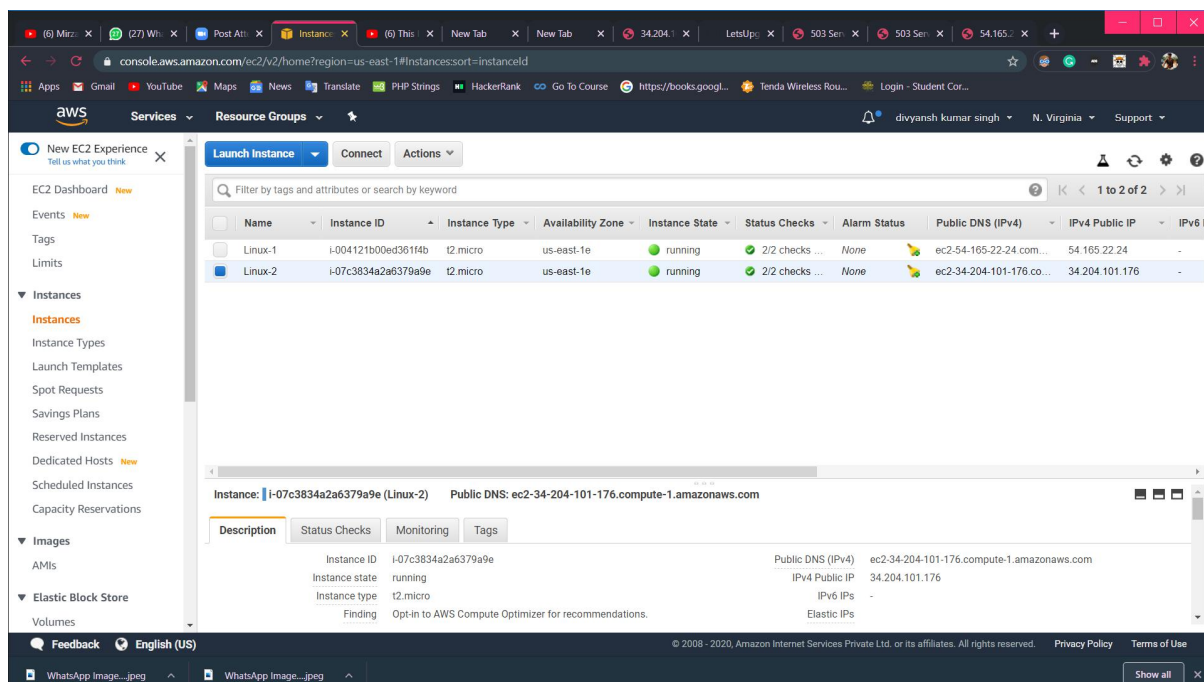
Divyansh kumar singh
Divyansh.singh_cs.ccv19@gla.ac.in

Assignment Day 4

Project 3

Functioning of Elastic Load Balancer

Task 1: - Create two linux instances, Use the first free linux AMI

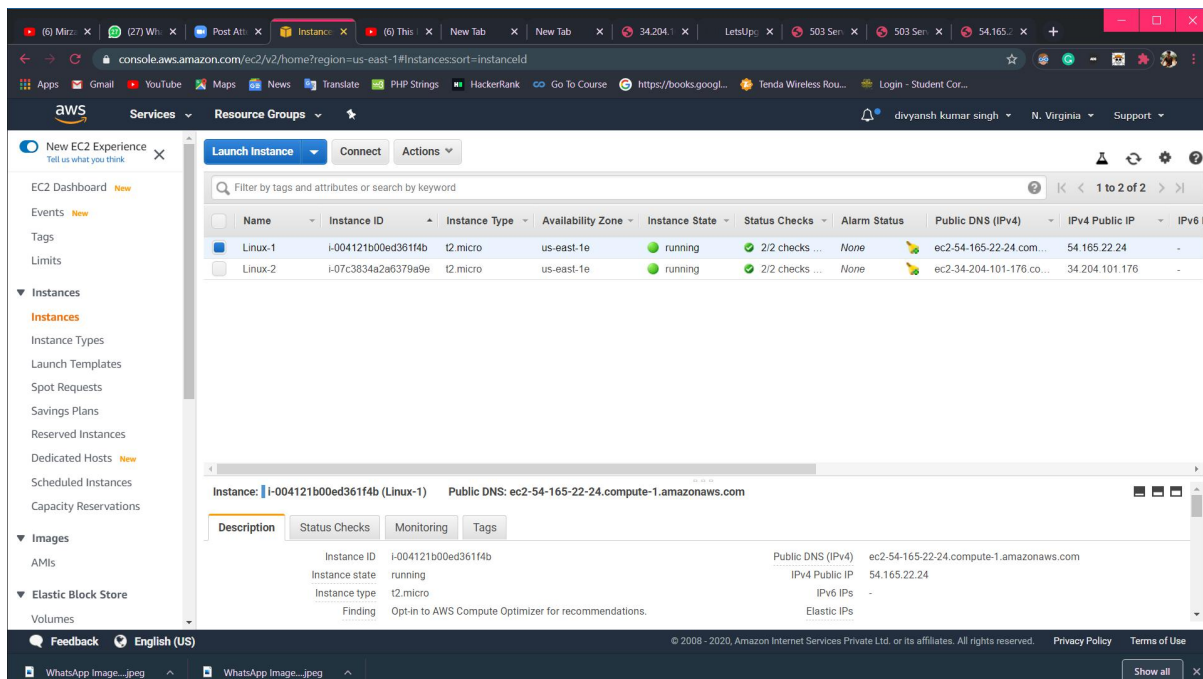


The screenshot displays the AWS Management Console interface. The left sidebar shows the navigation menu with categories like EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area shows a list of EC2 instances. Two instances are listed: Linux-1 and Linux-2. Below the list, the details for instance i-07c3834a2a6379a9e (Linux-2) are expanded, showing its status as 'running' and its public DNS as ec2-34-204-101-176.compute-1.amazonaws.com.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
Linux-1	i-004121b00ed36114b	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-54-165-22-24.com...	54.165.22.24	-
Linux-2	i-07c3834a2a6379a9e	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-34-204-101-176.co...	34.204.101.176	-

Instance: i-07c3834a2a6379a9e (Linux-2) Public DNS: ec2-34-204-101-176.compute-1.amazonaws.com

Description	
Instance ID	i-07c3834a2a6379a9e
Instance state	running
Instance type	t2.micro
Finding	Opt-in to AWS Compute Optimizer for recommendations.
Public DNS (IPv4)	ec2-34-204-101-176.compute-1.amazonaws.com
IPv4 Public IP	34.204.101.176
IPv6 IPs	-
Elastic IPs	-



Task 2: - Launch both instances using MobaXterm, host HTML login webpage on both servers and verify.

Command Used:-

`sudo su`

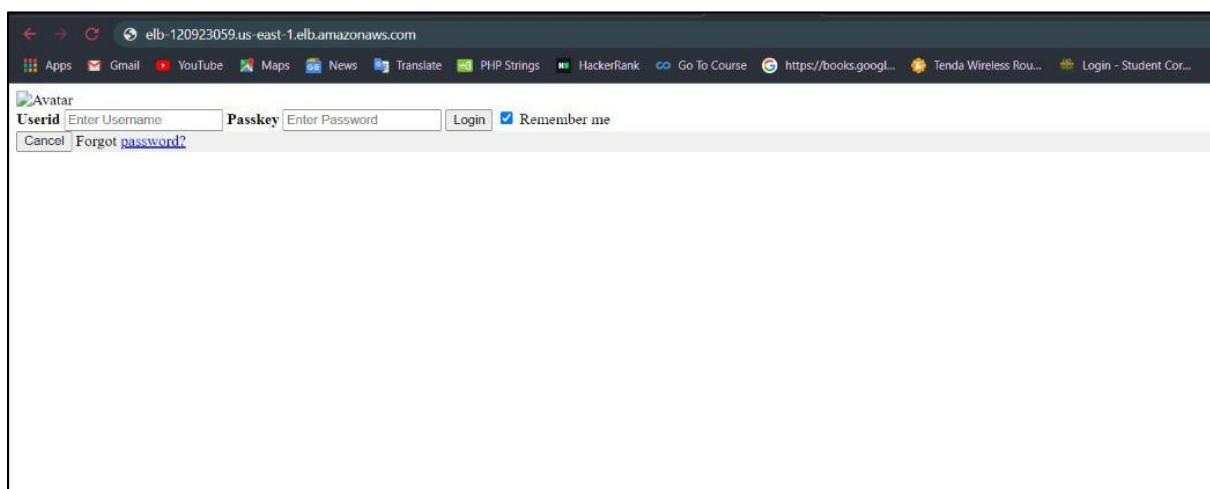
`yum install httpd`

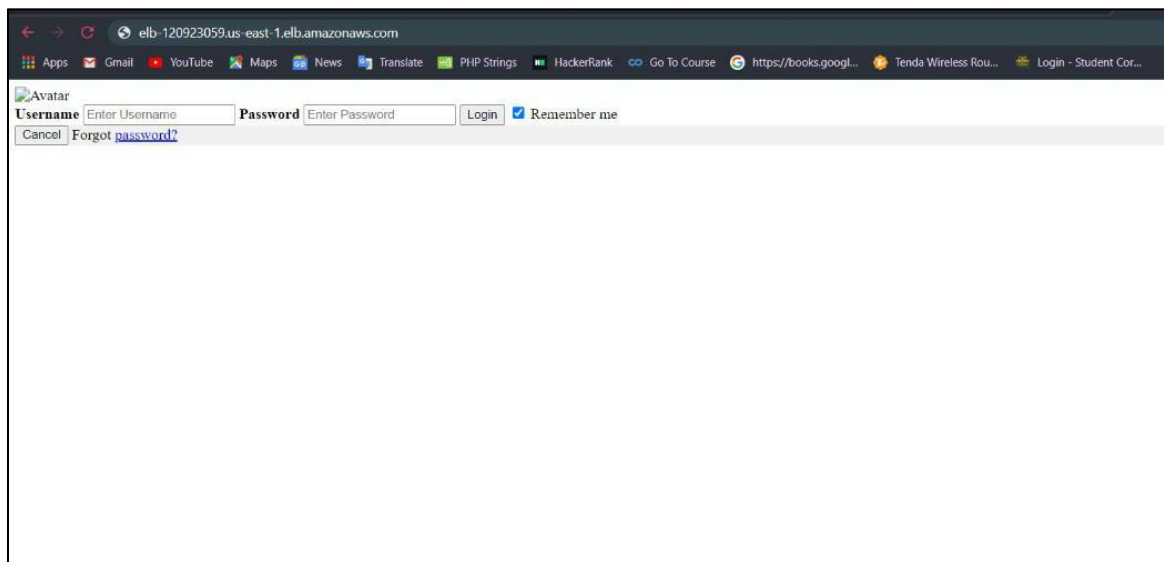
`cd /var/www/html`

`vi index.html` (insert the html code in the editor and save by `esc → :wq`)

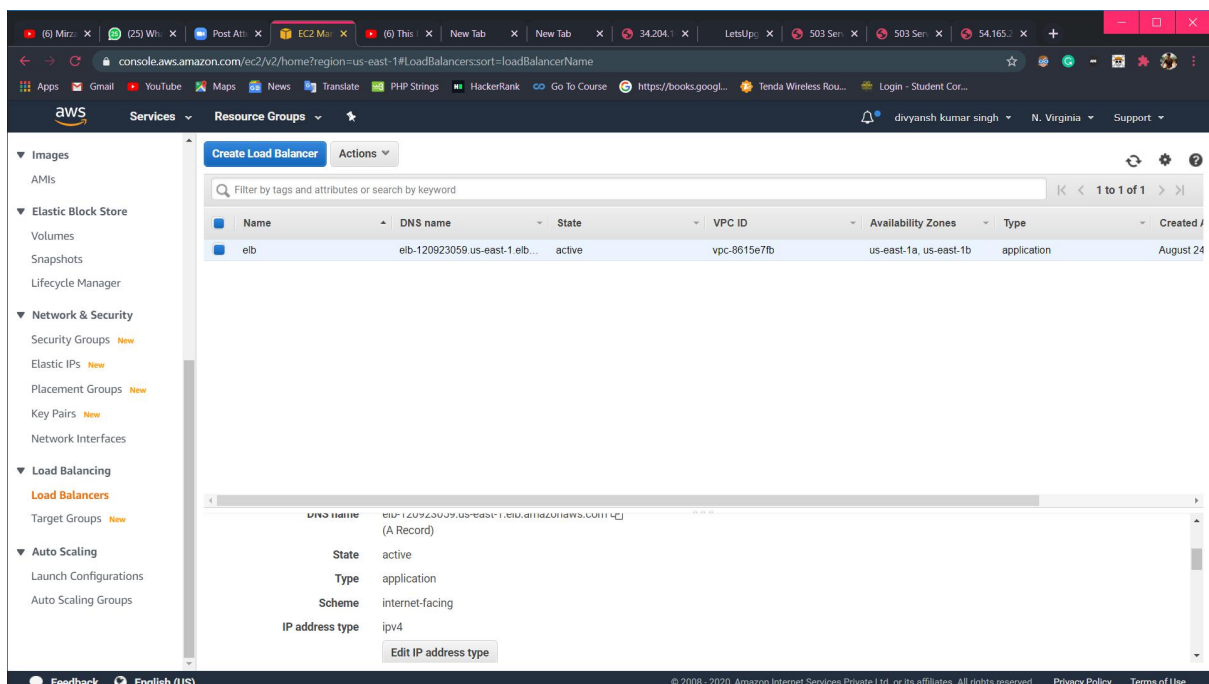
`more index.html` (to view content for verifying)

`service httpd start`





Task 3: - Create an Application Load Balancer with the above two instances as targets.



Task 4: - Check the functioning of ELB