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Assignment Day 4

Project 3

Functioning of Elastic Load Balancer

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

The screenshot shows the AWS Management Console with the EC2 Dashboard. Two Linux instances are listed in the table:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring	Launch
Linux2	i-087cdfb54a936e8f	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-52-66-109-231 ap...	52.66.109.231	-	WindowsKeyPair	disabled	Augur
Linux1	i-049d6968fc530513	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-15-207-110-236 ap...	15.207.110.236	-	WindowsKeyPair	disabled	Augur

The details for the selected instance (Linux1) are shown below:

Instance: i-049d6968fc530513 (Linux1) Public DNS: ec2-15-207-110-236.ap-south-1.compute.amazonaws.com

Instance ID: i-049d6968fc530513
Instance state: running
Instance type: t2.micro
Finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Public DNS (IPv4): ec2-15-207-110-236.ap-south-1.compute.amazonaws.com
IPv4 Public IP: 15.207.110.236
IPv6 IPs: -
Elastic IPs: -

The screenshot shows the AWS Management Console with the EC2 Dashboard. Two Linux instances are listed in the table:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring	Launch
Linux2	i-087cdfb54a936e8f	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-52-66-109-231 ap...	52.66.109.231	-	WindowsKeyPair	disabled	Augur
Linux1	i-049d6968fc530513	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-15-207-110-236 ap...	15.207.110.236	-	WindowsKeyPair	disabled	Augur

The details for the selected instance (Linux2) are shown below:

Instance: i-087cdfb54a936e8f (Linux2) Public DNS: ec2-52-66-109-231.ap-south-1.compute.amazonaws.com

Instance ID: i-087cdfb54a936e8f
Instance state: running
Instance type: t2.micro
Finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Public DNS (IPv4): ec2-52-66-109-231.ap-south-1.compute.amazonaws.com
IPv4 Public IP: 52.66.109.231
IPv6 IPs: -
Elastic IPs: -

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

Command Used: -

```
sudo su
```

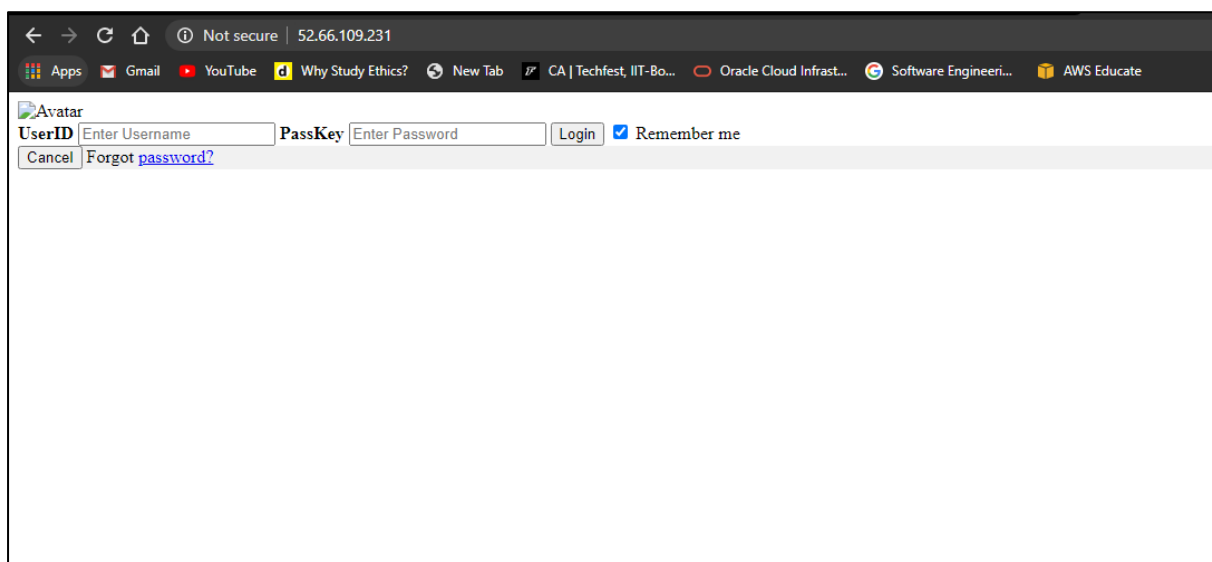
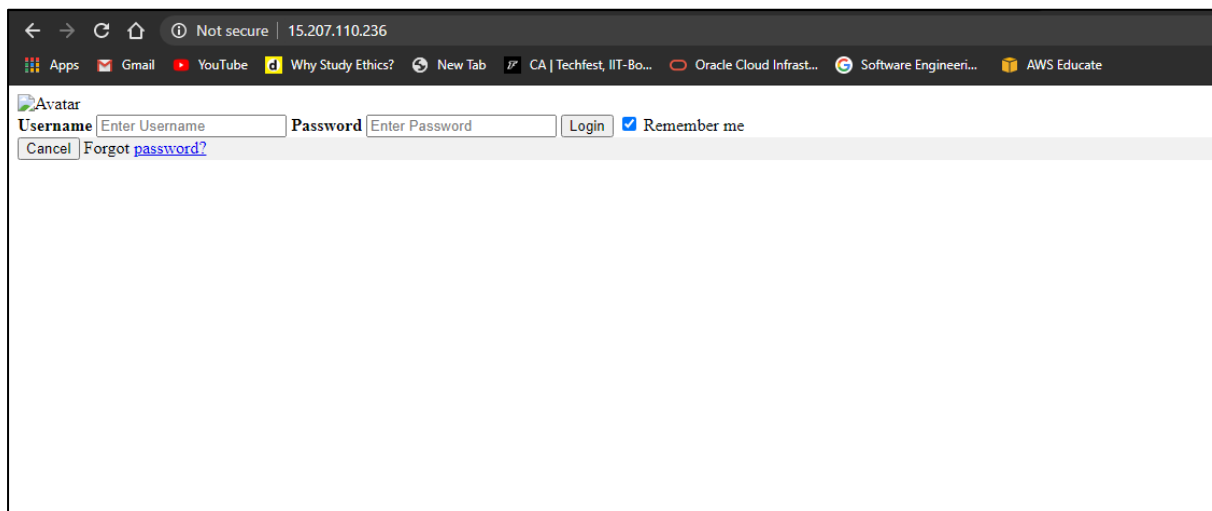
```
yum install httpd
```

```
cd /var/www/html
```

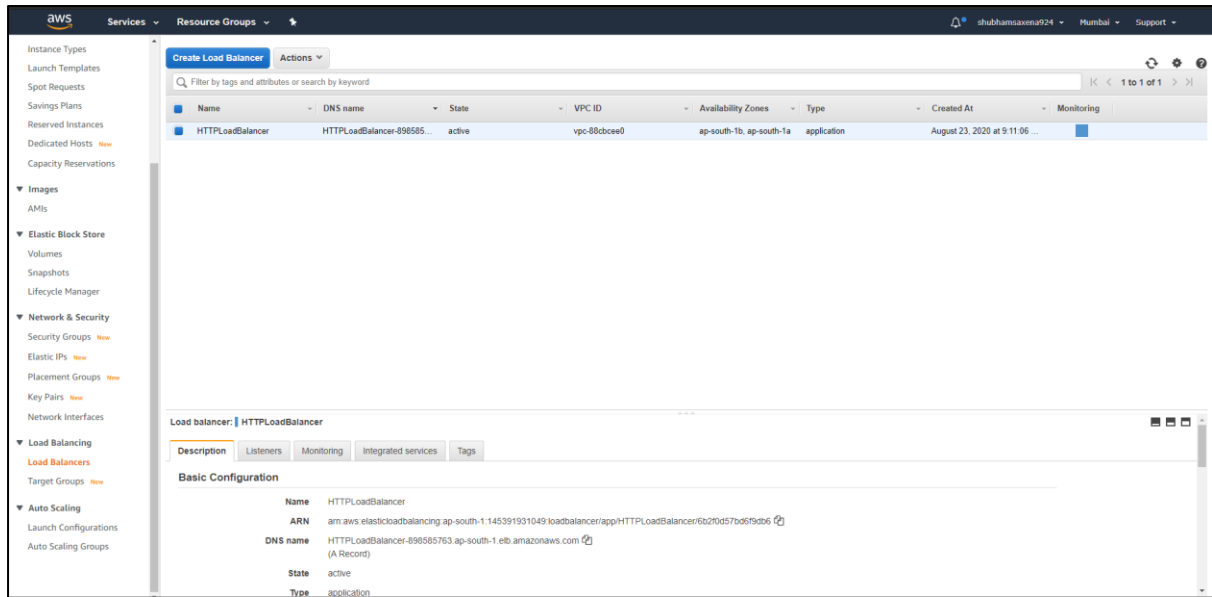
```
vi index.html (insert the html code in the editor and save by esc → :wq)
```

```
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

