

## Day 4 Assignment: ELASTIC LOAD BALANCER

### Creating two Instances:

The screenshot shows the AWS Management Console with two EC2 instances. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a table of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
Linux1	i-01751bd64b817b39b	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-219-90-193.us-east-2.compute.amazonaws.com	18.219.90.193	-
Linux2	i-0f797e48d3ba4faf2	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-129-64-190.us-east-2.compute.amazonaws.com	3.129.64.190	-

Below the table, the details for the selected instance (Linux1) are shown:

Instance: i-01751bd64b817b39b (Linux1) Public DNS: ec2-18-219-90-193.us-east-2.compute.amazonaws.com

Description: Instance ID: i-01751bd64b817b39b, Instance state: running, Instance type: t2.micro, Public DNS (IPv4): ec2-18-219-90-193.us-east-2.compute.amazonaws.com, IPv4 Public IP: 18.219.90.193, IPv6 IPs: -, Elastic IPs: -.

The screenshot shows the AWS Management Console with two EC2 instances. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a table of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
Linux1	i-01751bd64b817b39b	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-219-90-193.us-east-2.compute.amazonaws.com	18.219.90.193	-
Linux2	i-0f797e48d3ba4faf2	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-129-64-190.us-east-2.compute.amazonaws.com	3.129.64.190	-

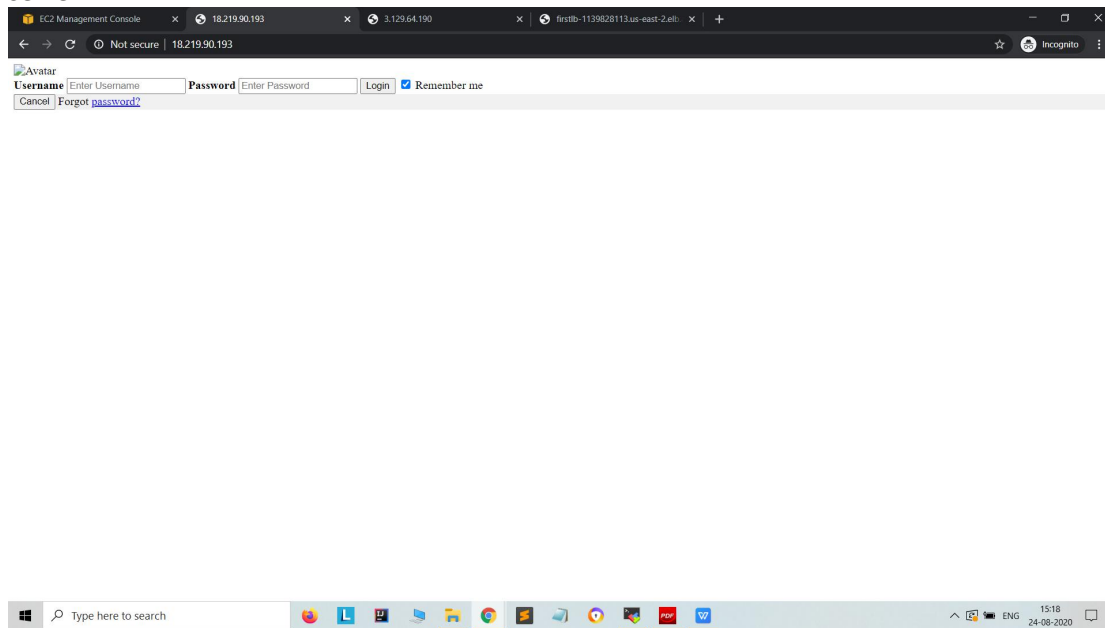
Below the table, the details for the selected instance (Linux2) are shown:

Instance: i-0f797e48d3ba4faf2 (Linux2) Public DNS: ec2-3-129-64-190.us-east-2.compute.amazonaws.com

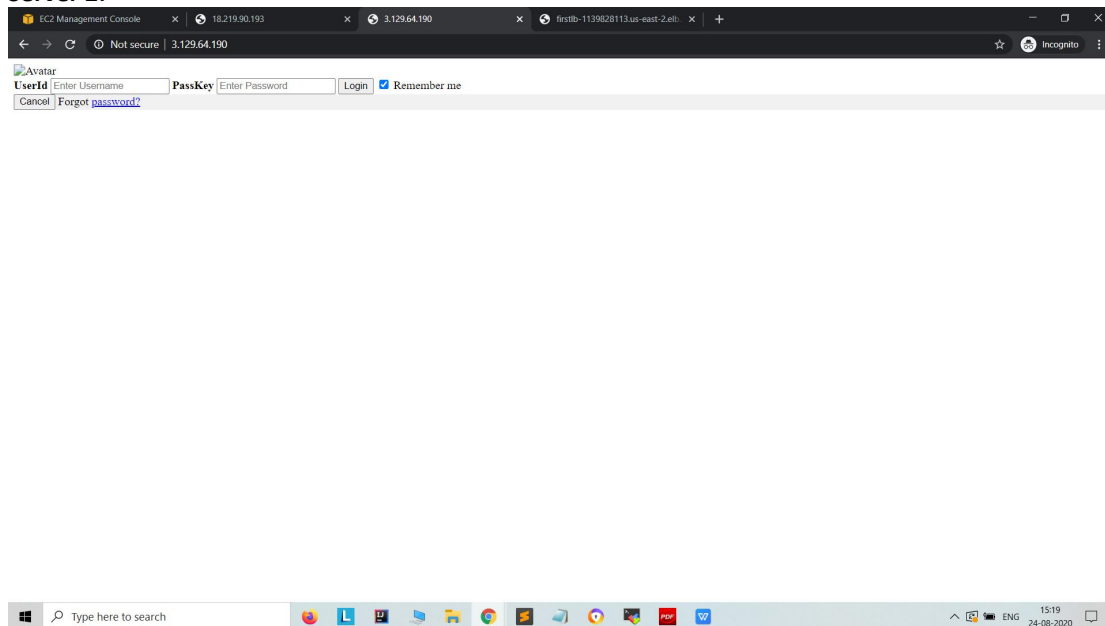
Description: Instance ID: i-0f797e48d3ba4faf2, Instance state: running, Instance type: t2.micro, Public DNS (IPv4): ec2-3-129-64-190.us-east-2.compute.amazonaws.com, IPv4 Public IP: 3.129.64.190, IPv6 IPs: -, Elastic IPs: -.

## Hosting the application:

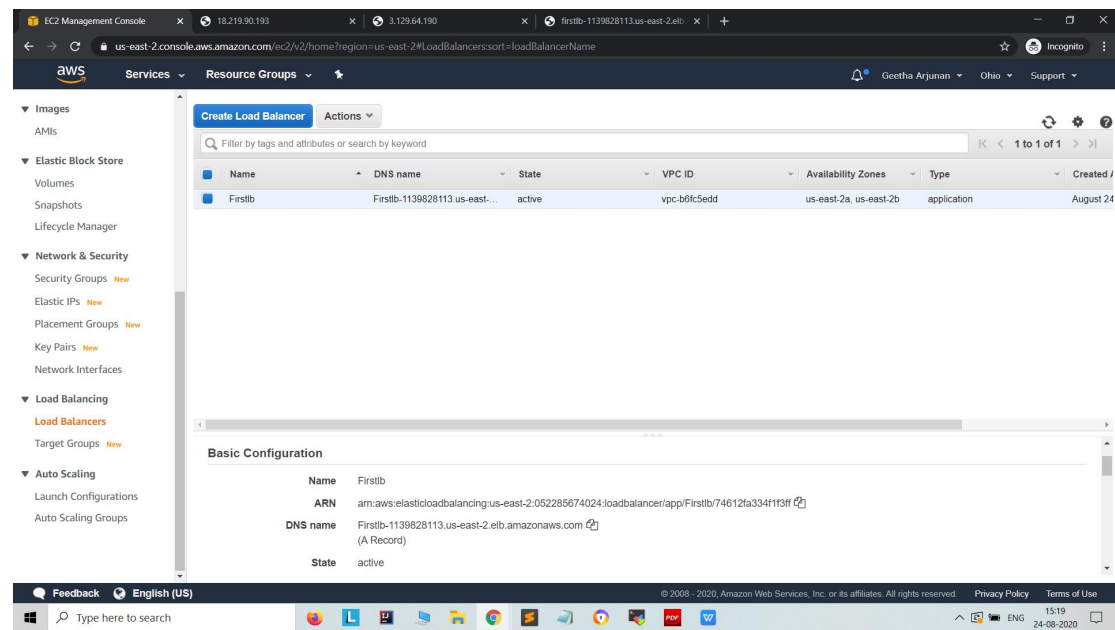
### Server 1:



### Server 2:



## Creating Load Balancer:



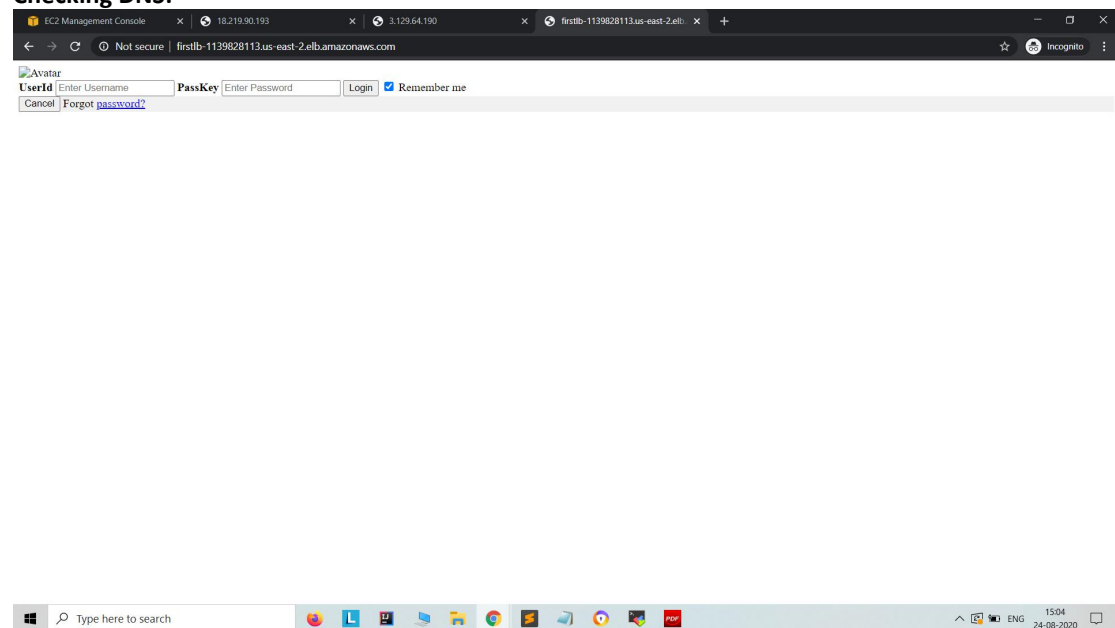
The screenshot shows the AWS Management Console interface for creating a load balancer. The left sidebar lists various AWS services, with 'Load Balancing' selected. The main content area shows the 'Create Load Balancer' page. A table lists the existing load balancers:

Name	DNS name	State	VPC ID	Availability Zones	Type	Created
Firstlb	Firstlb-1139828113.us-east-2.elb...	active	vpc-b6fc5edd	us-east-2a, us-east-2b	application	August 24

Below the table, the 'Basic Configuration' section for 'Firstlb' is displayed:

- Name: Firstlb
- ARN: [arn:aws:elasticloadbalancing:us-east-2:052285674024:loadbalancer/app/Firstlb/74612fa334f1f3ff](#)
- DNS name: [Firstlb-1139828113.us-east-2.elb.amazonaws.com](#) (A Record)
- State: active

## Checking DNS:



The screenshot shows the AWS Management Console interface for checking DNS. The page displays the 'User ID' field with the value 'Firstlb-1139828113.us-east-2.elb.amazonaws.com' and the 'PassKey' field with the value 'Enter Password'. The 'Login' button is visible.

