

AWS Essentials Batch-1 | Day-4

Assignment

Project-3:-

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

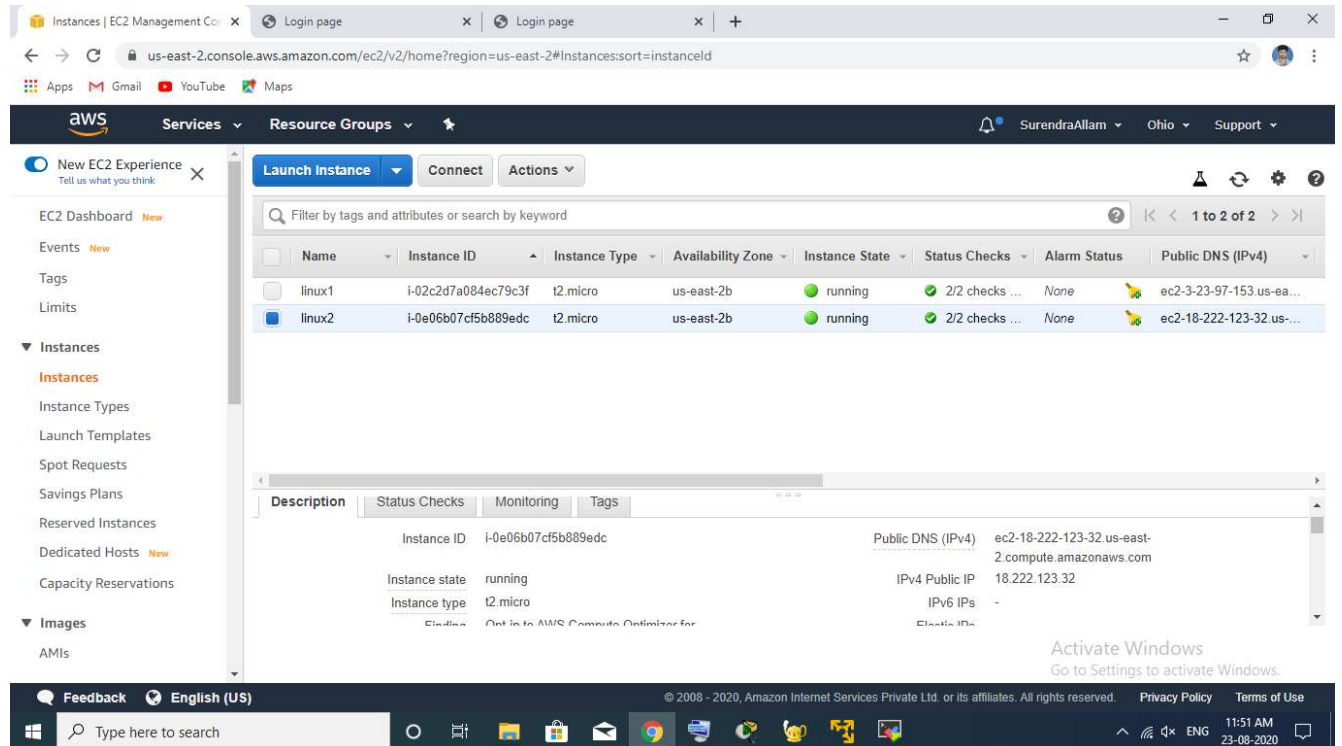
Public ip for Linux-1: 3.23.97.153

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information for 'SurendraAllam' in the 'Ohio' region. The left sidebar shows the 'Instances' menu with options like 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', and 'Capacity Reservations'. The main content area shows a list of instances with the following data:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
linux1	i-02c2d7a084ec79c3f	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-23-97-153.us-east-2.compute.amazonaws.com
linux2	i-0e06b07cf5b889edc	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-222-123-32.us-east-2.compute.amazonaws.com

Below the table, the 'Description' tab for instance 'linux1' is expanded, showing details such as 'Instance ID: i-02c2d7a084ec79c3f', 'Instance state: running', 'Instance type: t2.micro', and 'Public DNS (IPv4): ec2-3-23-97-153.us-east-2.compute.amazonaws.com'. The 'IPv4 Public IP' is listed as '3.23.97.153'. The bottom of the screen shows the Windows taskbar with the time '11:51 AM' and date '23-08-2020'.

Public ip for Linux-2: 18.222.123.32



Step-2: Launch both instances using Mobaxterm.

Step-3: Host html login web page on both servers.

Step-4: Make change in the label of the second server html configuration.

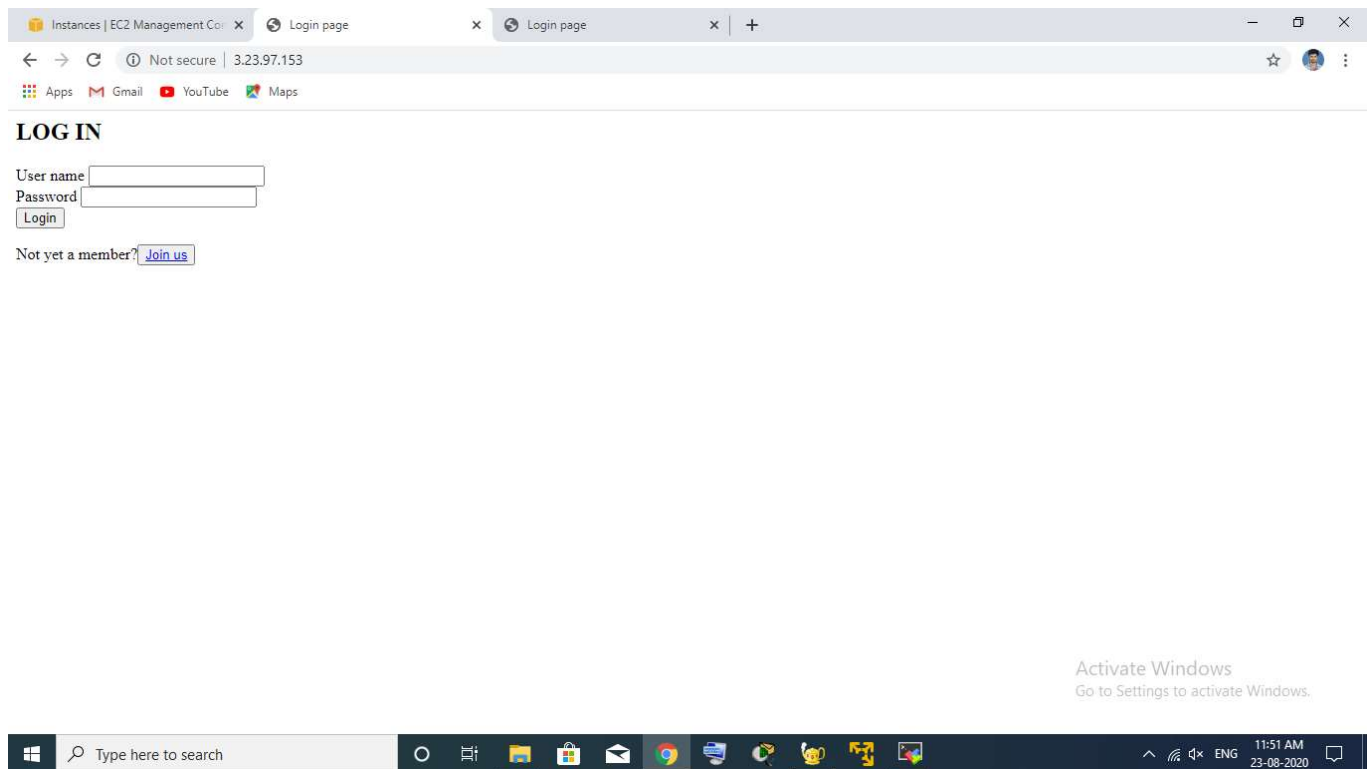
HTML code for login page:

```
<html>
  <head>
    <title>
      Login page
    </title>
  </head>
  <body>
```

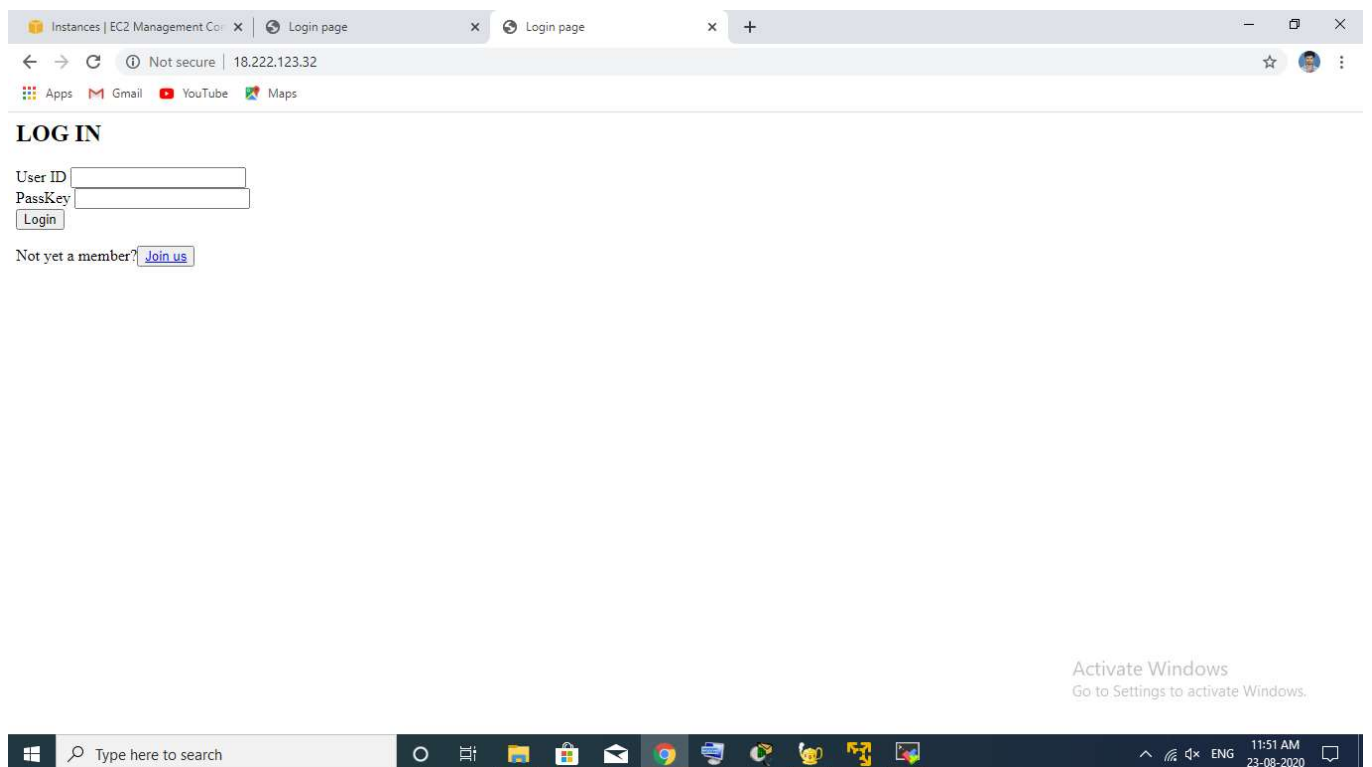
```
<div>
    <h2>LOG IN</h2>
</div>
<form method="post" action="#">
    <div>
        <label>User Name</label>
        <input type="text" name="uname">
    </div>
    <div>
        <label>Password</label>
        <input type="password" name="passwd_1">
    </div>
    <div>
        <button>Login</button>
    </div>
    <div>
        <p>
            Not yet a member?<button>Join us</a></button>
        </p>
    </div>
</form>
</body>
</html>
```

Step-5: Check the application is deployed on both servers by copy pasting The public ip of the servers into the browser.

Linux-1(Output):-

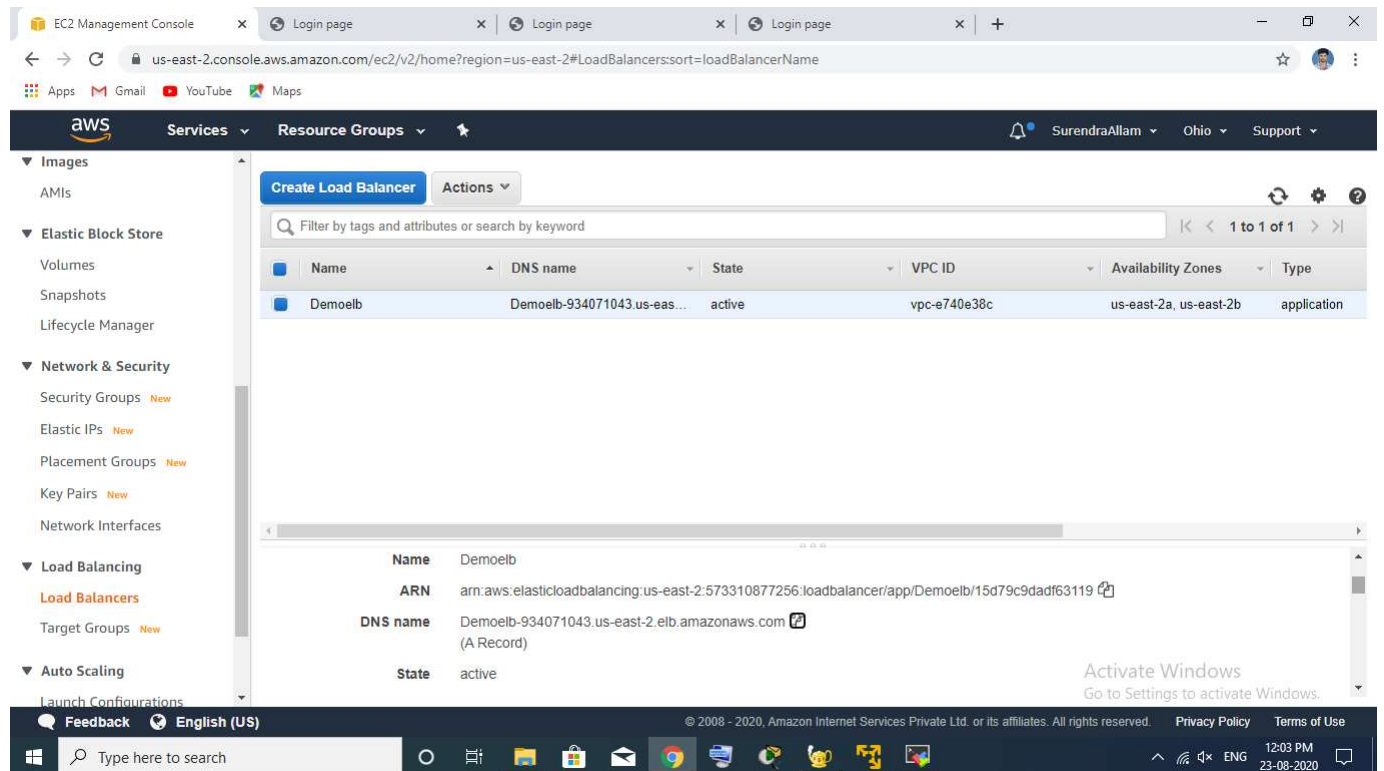


Linux-2(Output):-



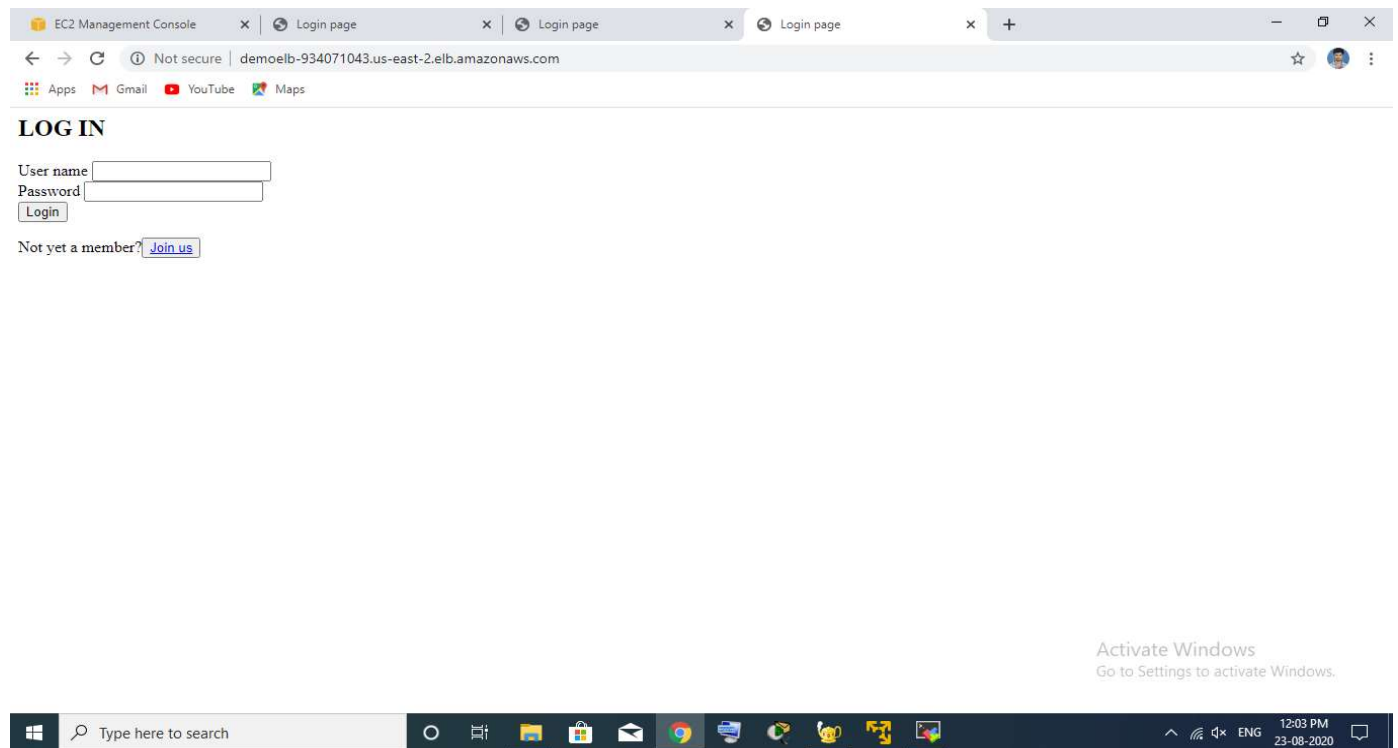
Step-6: Create an application Load Balancer with the above two instances as targets.

DNS name for ELB:- “demoelb-934071043.us-east-2.elb.amazonaws.com”



Step-7: Check the functioning of ELB.

ELB output with Linux-1:-



ELB output with Linux-2:-

