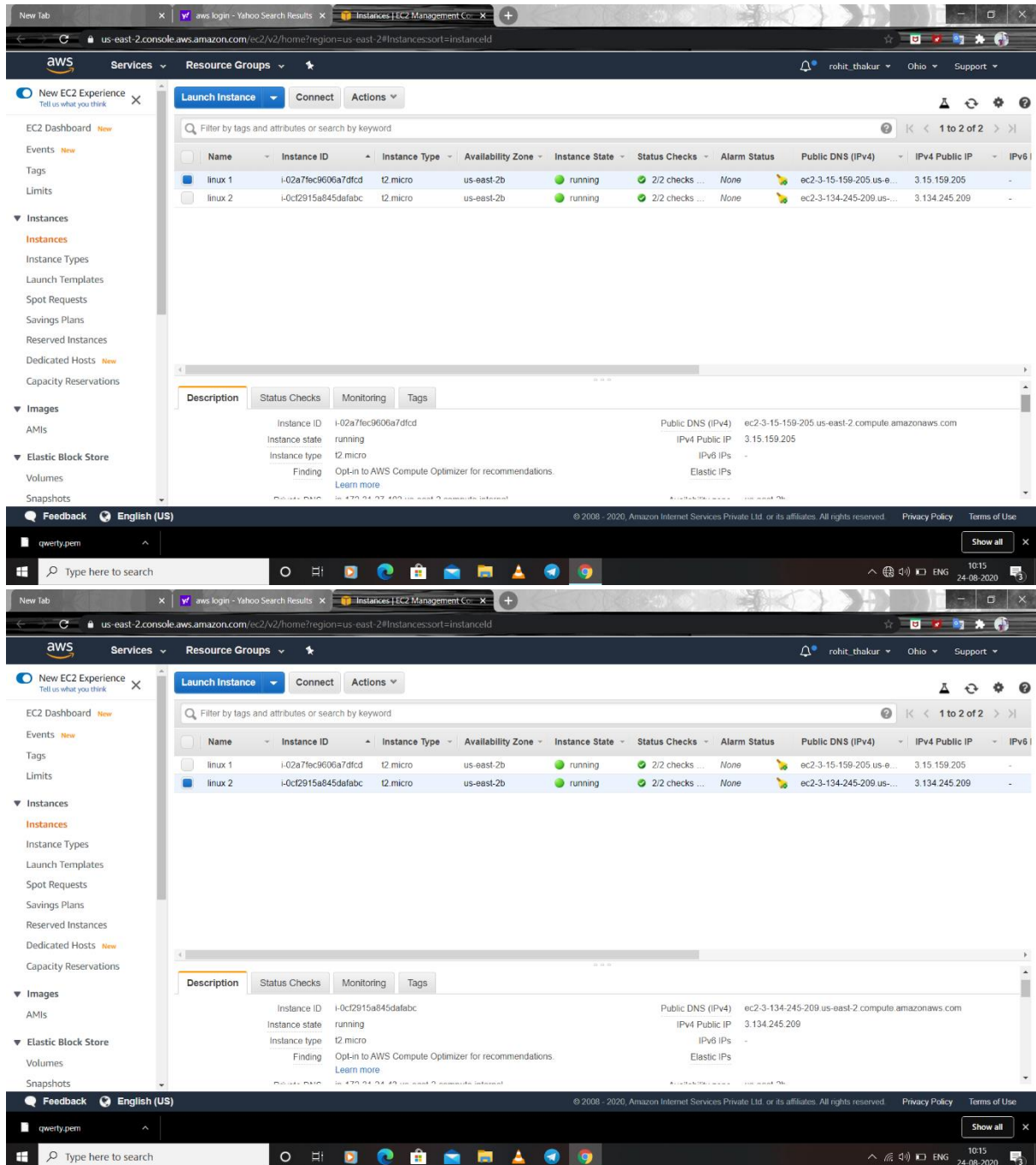


# PROJECT-3

**STEP 1:** Create two linux instances, Use the first free linux AMI.



**STEP2 :**Launch both instances using Mobaxterm.

**STEP 3:** Host html login webpage on both servers.

```
3.15.159.205 (ec2-user)
Terminal Sessions View X-server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help

+ MobaXterm 20.2 +
(SSH client, X-server and networking tools)

> SSH session to ec2-user@3.15.159.205
  • SSH compression : ✓
  • SSH-browser      : ✓
  • X11-forwarding   : x (disabled or not supported by server)
  • DISPLAY          : 192.168.43.78:0.0

> For more info, ctrl+click on help or visit our website

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-27-102 ~]$
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

```
3.134.245.209 (ec2-user)
Terminal Sessions View X-server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help

+ MobaXterm 20.2 +
(SSH client, X-server and networking tools)

> SSH session to ec2-user@3.134.245.209
  • SSH compression : ✓
  • SSH-browser      : ✓
  • X11-forwarding   : x (disabled or not supported by server)
  • DISPLAY          : 192.168.43.78:0.0

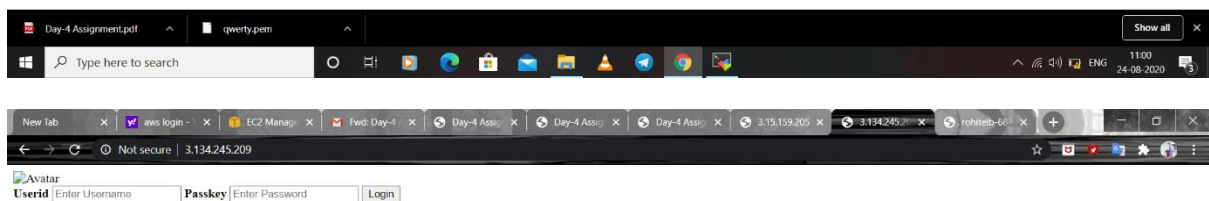
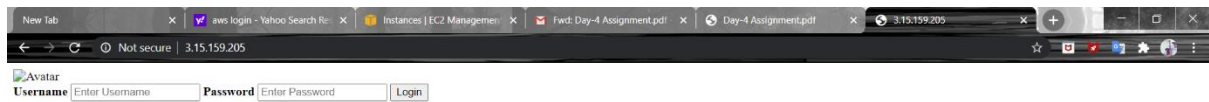
> For more info, ctrl+click on help or visit our website

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-24-43 ~]$
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

**STEP4 :** Check if the application is deployed on both servers by pasting the public IP in the browser.



**STEP 5:** Create an application Load Balancer with the above two instances as target.

The screenshot shows the AWS Management Console interface. On the left, there's a navigation menu with categories like Savings Plans, Elastic Block Store, Network & Security, and Load Balancing. The 'Load Balancing' section is selected, showing 'Load Balancers'. A table lists the load balancers:

Name	DNS name	State	VPC ID	Availability Zones	Type	Created
Rohiteib	Rohiteib-681949670.us-east-2.elb.amazonaws.com	active	vpc-6b45e700	us-east-2a, us-east-2b	application	August 24

Below the table, the details for the selected load balancer 'Rohiteib' are displayed:

- Name:** Rohiteib
- ARN:** arn:aws:elasticloadbalancing:us-east-2:852672045974:loadbalancer/app/Rohiteib/aaeb94f66f3d0a72
- DNS name:** Rohiteib-681949670.us-east-2.elb.amazonaws.com (A Record)
- State:** active
- Type:** application

## STEP 6: Check the functioning o ELB.

The screenshot shows a web browser window with the URL `rohiteib-681949670.us-east-2.elb.amazonaws.com`. The page displays a login form with the following fields and buttons:

- Username:** A text input field with a placeholder 'Enter Username'.
- Password:** A text input field with a placeholder 'Enter Password'.
- Login:** A button to submit the login credentials.

The screenshot shows a Windows taskbar at the bottom of the screen. The system clock in the bottom right corner displays the time as 12:23 and the date as 24-08-2020. The language is set to ENG.