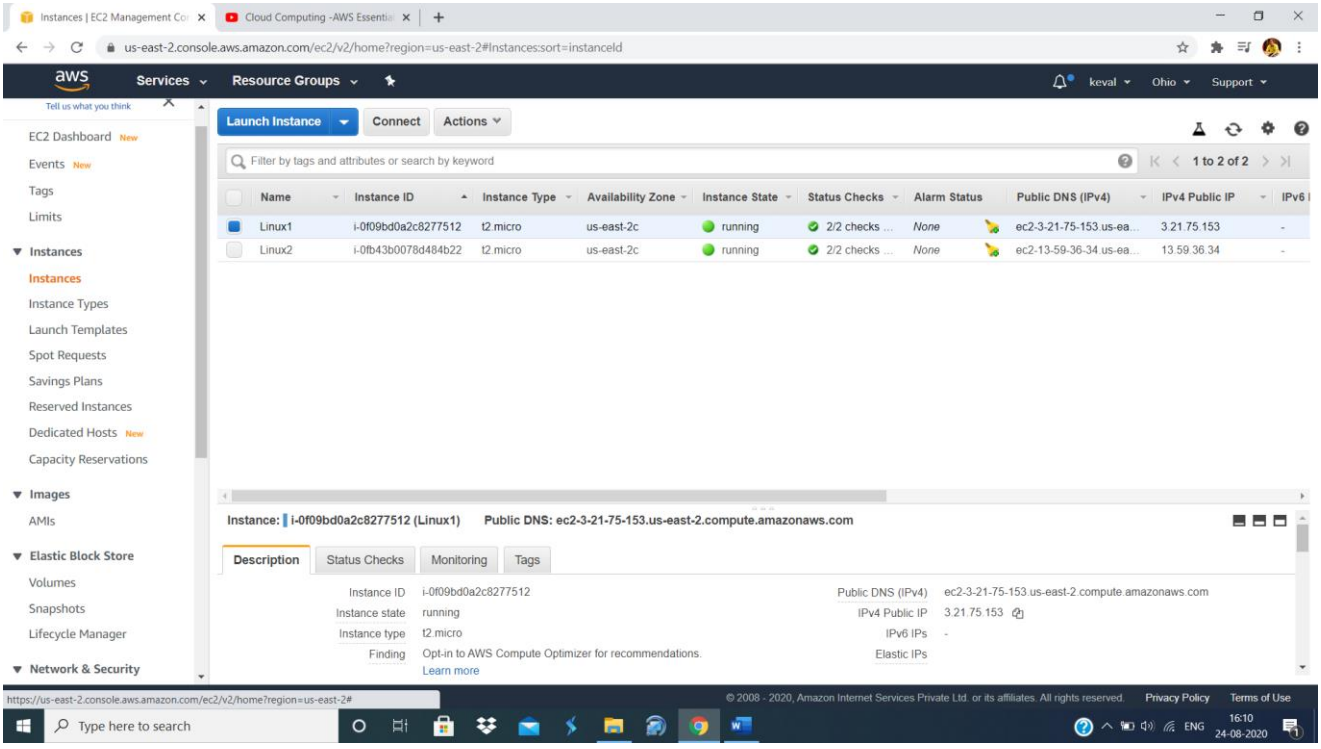
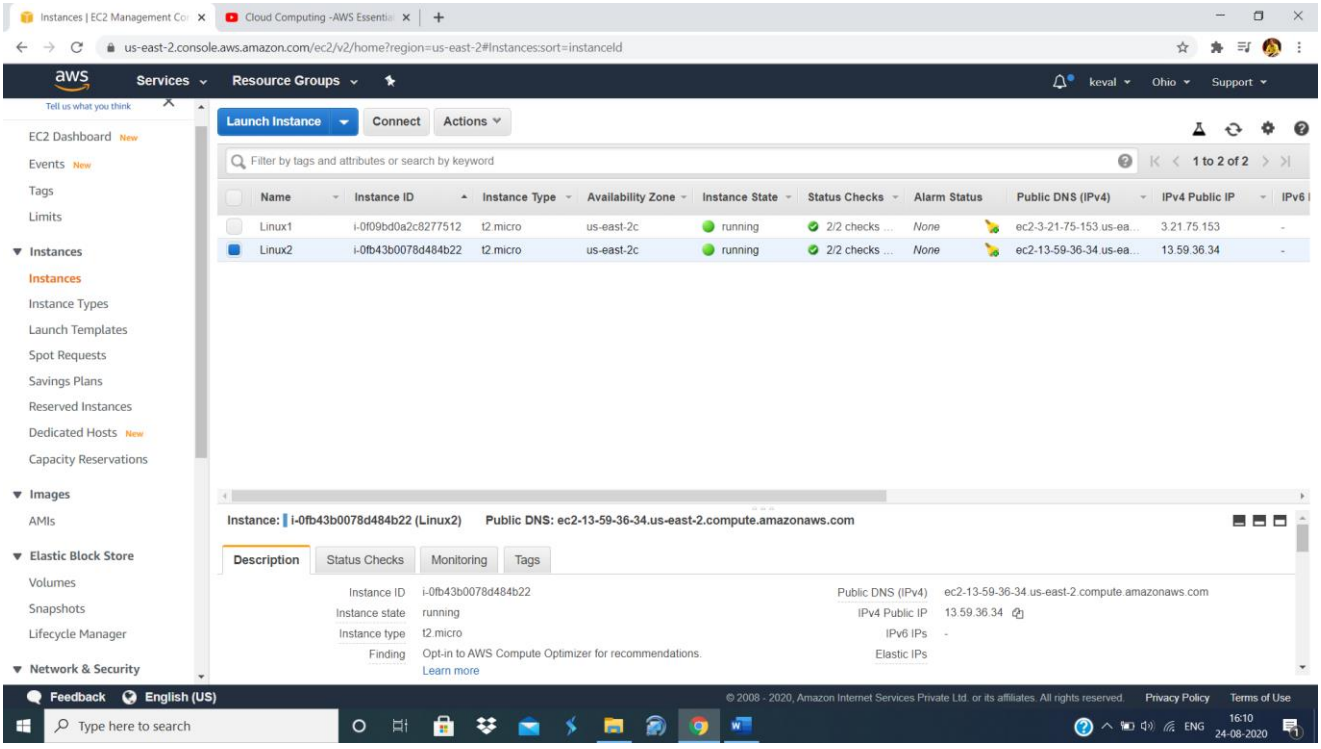
Project 3

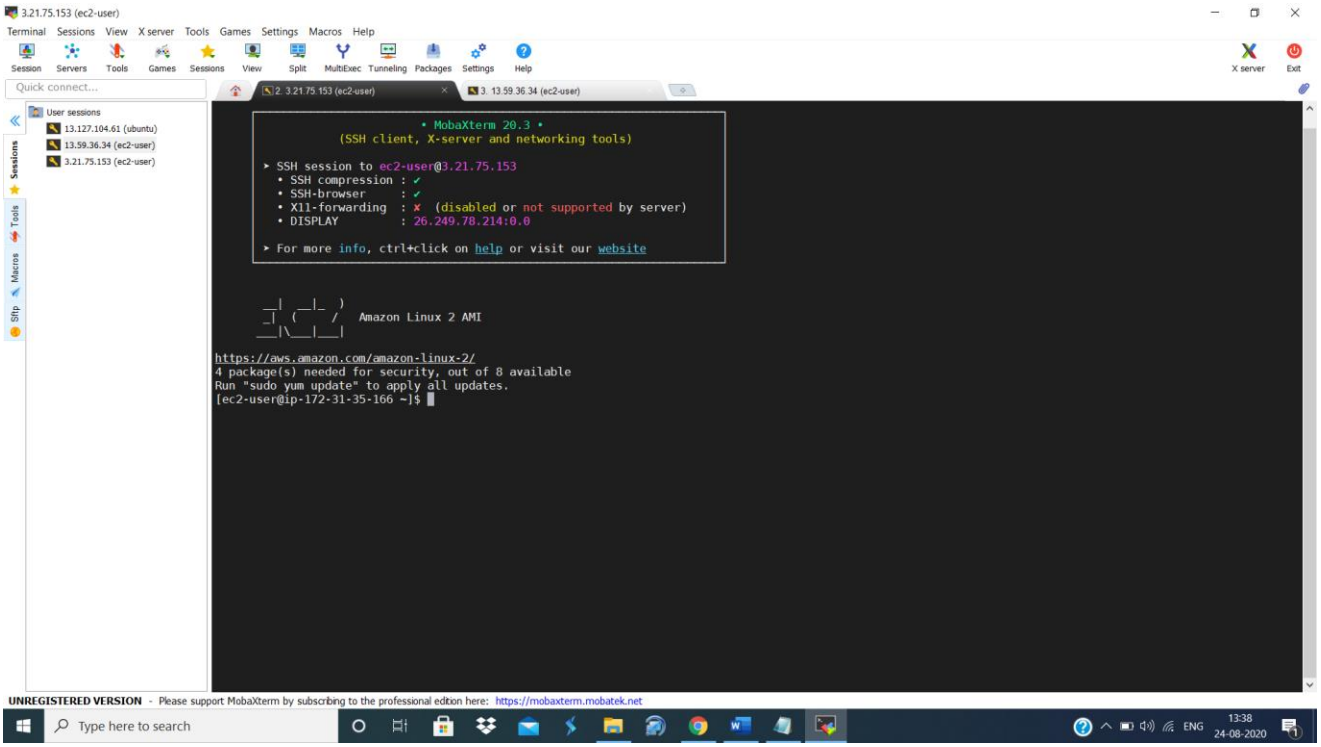
Step1: Create two Linux instances, Use the first free Linux AMI



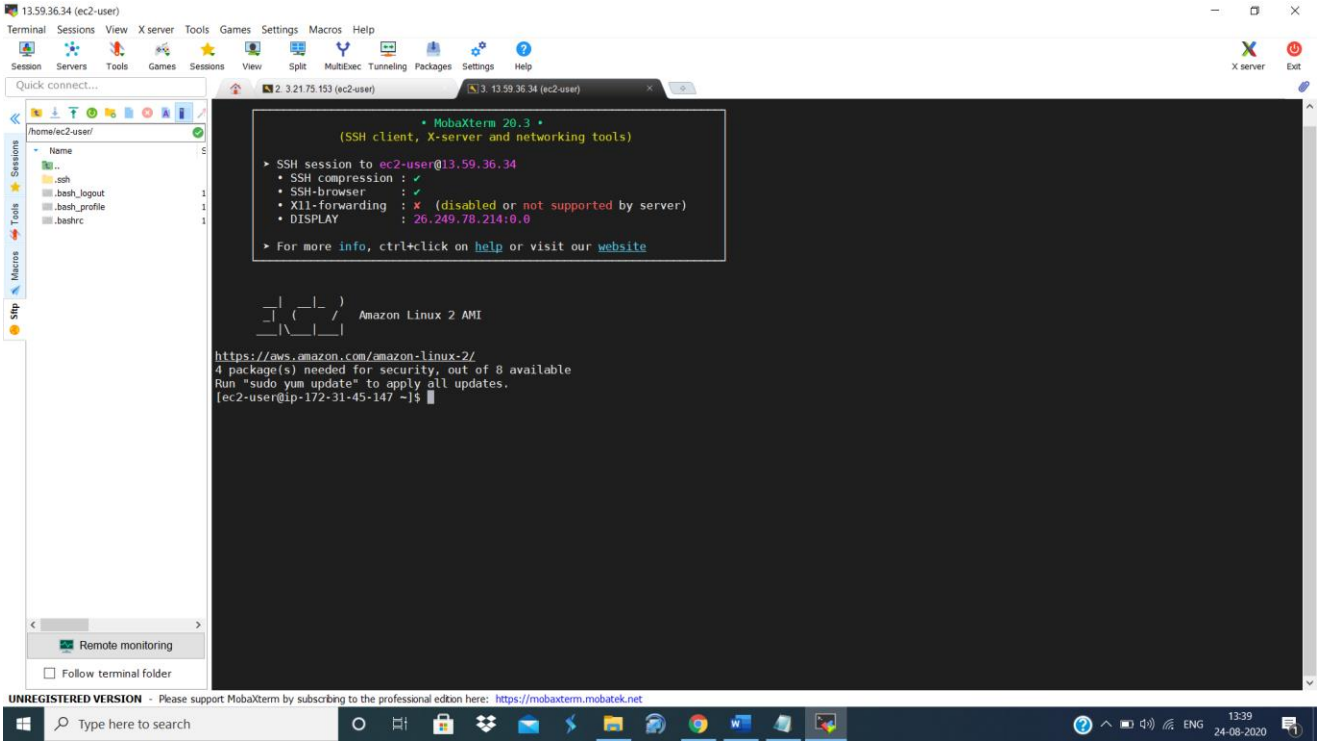


Step2: Launch both instances using Mobaxterm

Linux1



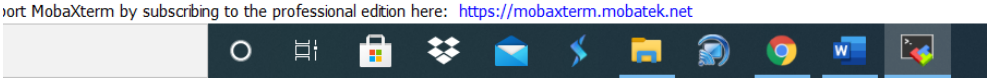
Linux2



Step3: Host html login webpage on both servers

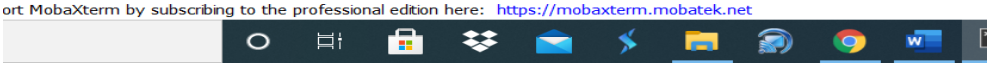
Linux1

```
[root@ip-172-31-35-166 html]# vi index.html
[root@ip-172-31-35-166 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">
<img src="img_avatar2.png" alt="Avatar" class="avatar">
</div>

<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>

<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>

<button type="submit">Login</button>

<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>

<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>

[root@ip-172-31-35-166 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-35-166 html]#
```

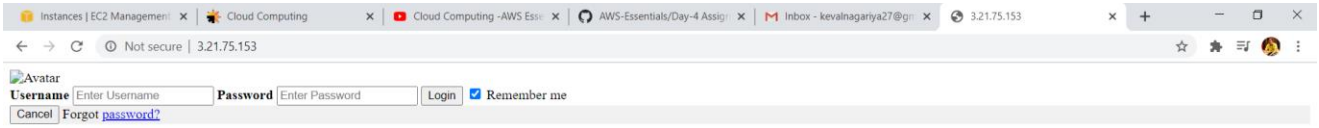
Linux2

```
[root@ip-172-31-45-147 html]# vi index.html
[root@ip-172-31-45-147 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">
<img src="img_avatar2.png" alt="Avatar" class="avatar">
</div>


<div class="container">
<label for="uname"><b>UserID</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>


<label for="psw"><b>PassKey</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>


<button type="submit">Login</button>




<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>



<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>


[root@ip-172-31-45-147 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-45-147 html]#
```

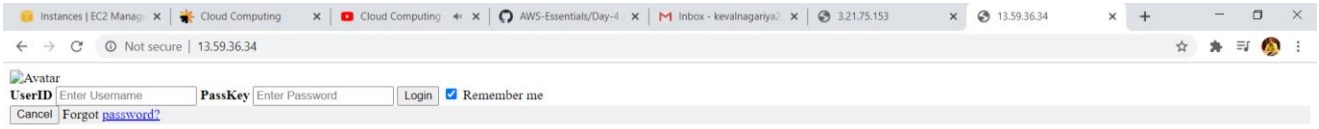



Step4: Check if the application is deployed on both servers by copy pasting the public IP of the servers into the browser.

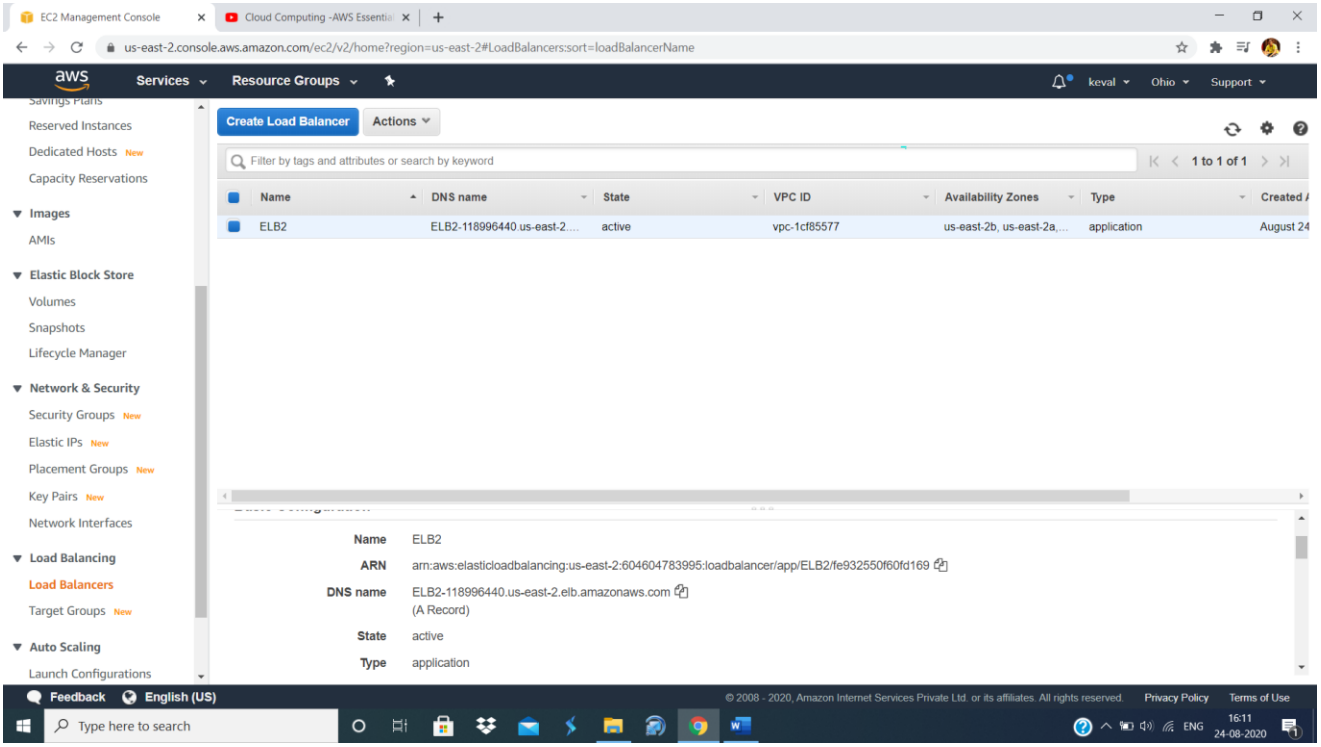
Linux1



Linux2



Step5: Create an application Load balancer with the above two instances as targets



Step6: Check the functioning of ELB