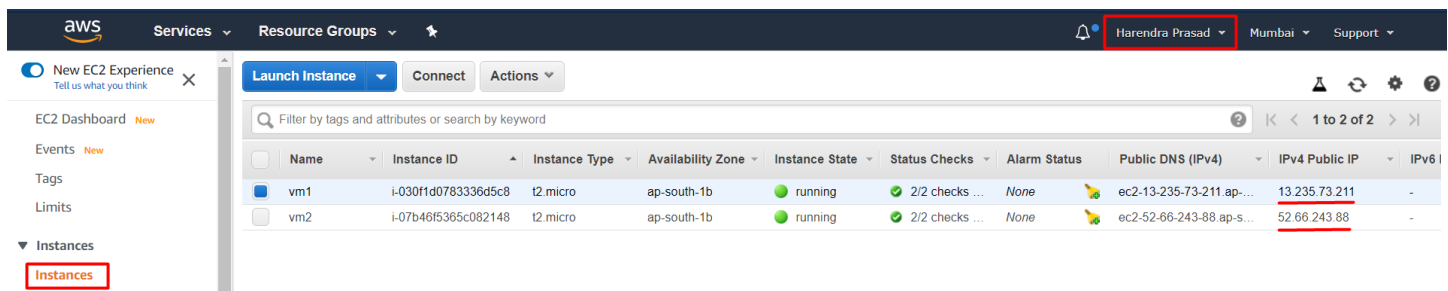


Project 3

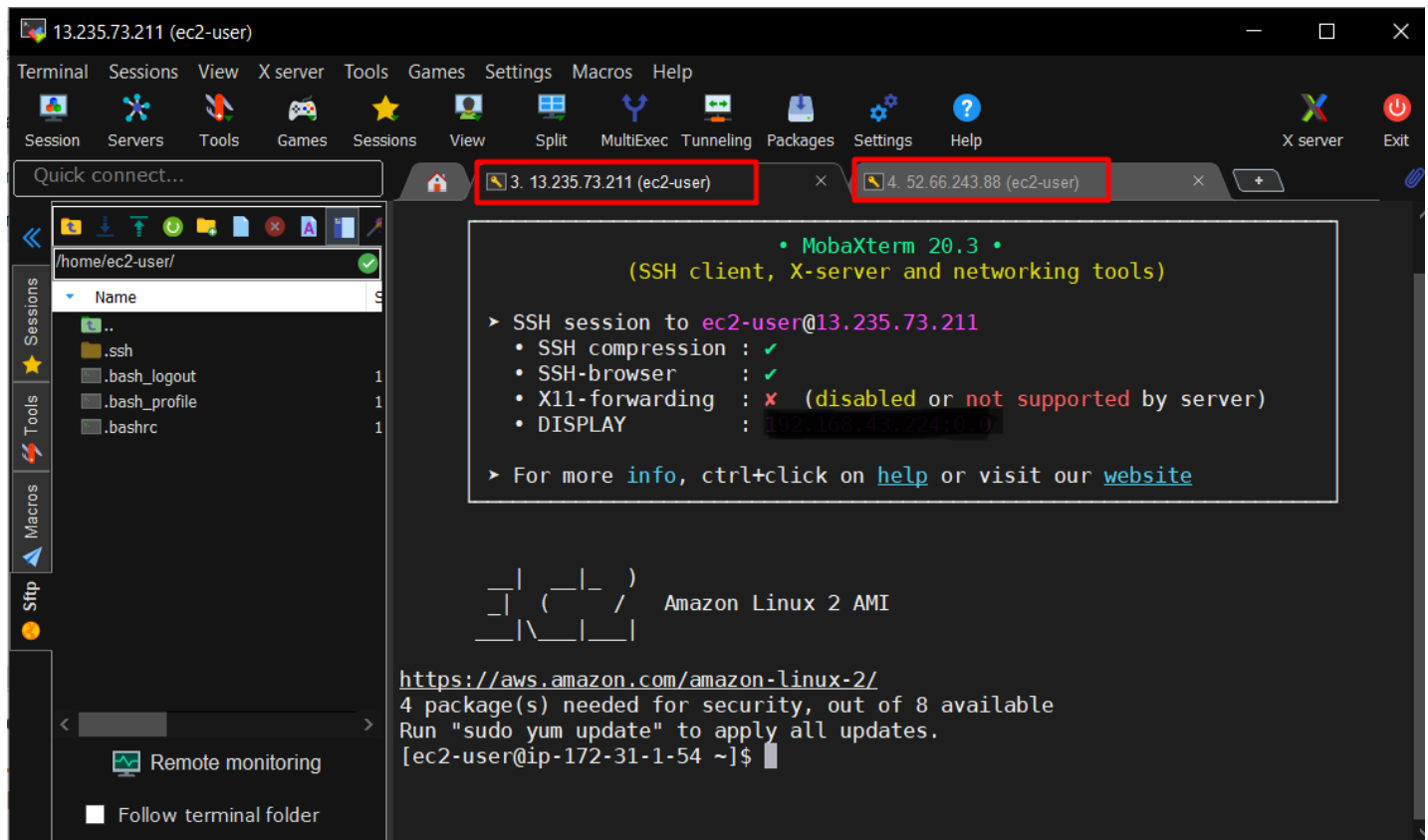
ELB

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



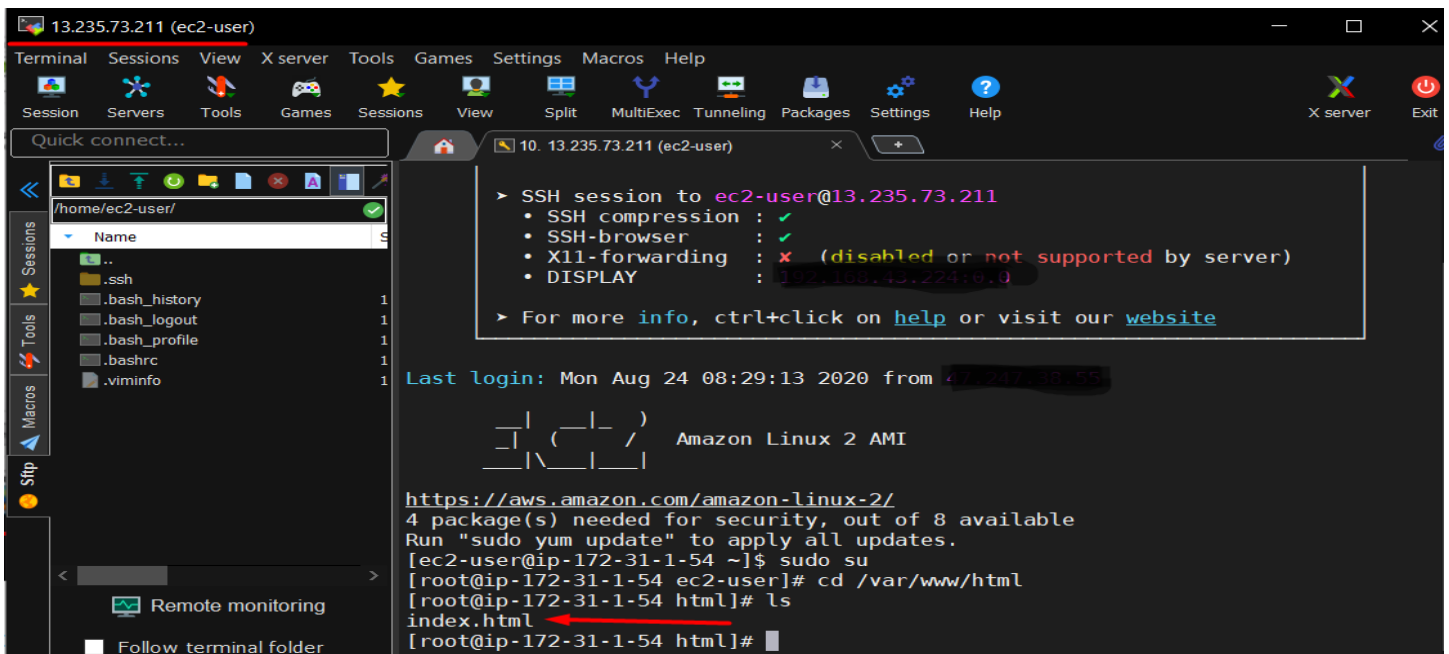
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
vm1	i-030f1d0783336d5c8	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-13-235-73-211.ap-...	13.235.73.211	-
vm2	i-07b46f5365c082148	t2.micro	ap-south-1b	running	2/2 checks ...	None	ec2-52-66-243-88.ap-s...	52.66.243.88	-

Task 2 Launch both instances using mobaxterm



Task 3: Host html login webpage on both server.

Server :1



```
13.235.73.211 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/ec2-user/
Name
.ssh
.bash_history
.bash_logout
.bash_profile
.bashrc
.viminfo
Remote monitoring
Follow terminal folder

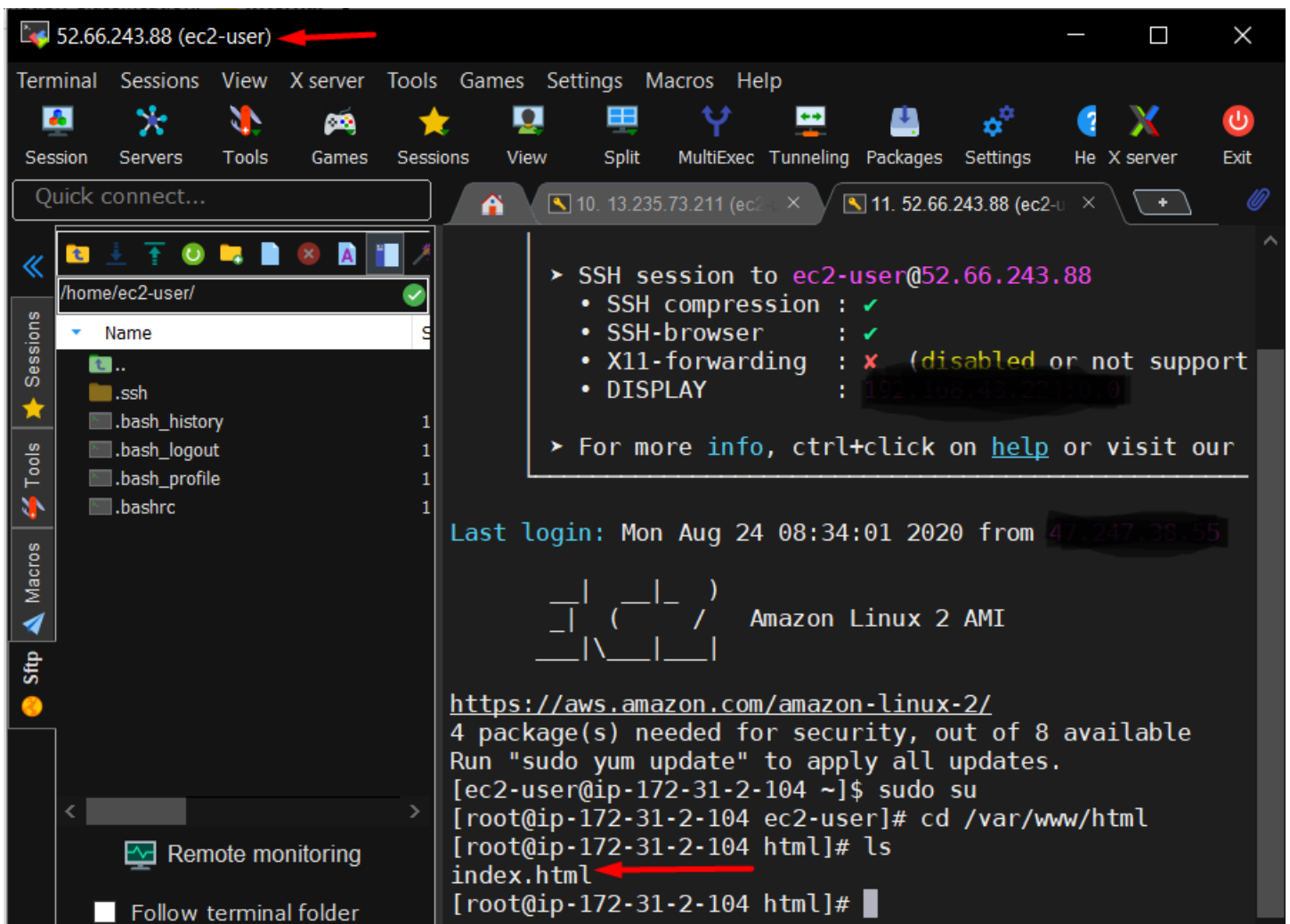
> SSH session to ec2-user@13.235.73.211
• SSH compression : ✓
• SSH-browser : ✓
• X11-forwarding : ✗ (disabled or not supported by server)
• DISPLAY : 192.168.43.224:0.0
> For more info, ctrl+click on help or visit our website

Last login: Mon Aug 24 08:29:13 2020 from 47.247.38.55

 _ | _ | _ )
 _ | ( _ | /   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-172-31-1-54 ~]$ sudo su
[root@ip-172-31-1-54 ec2-user]# cd /var/www/html
[root@ip-172-31-1-54 html]# ls
index.html
[root@ip-172-31-1-54 html]#
```

Server :2



```
52.66.243.88 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings He X server Exit
Quick connect...
/home/ec2-user/
Name
.ssh
.bash_history
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder

> SSH session to ec2-user@52.66.243.88
• SSH compression : ✓
• SSH-browser : ✓
• X11-forwarding : ✗ (disabled or not support
• DISPLAY : 192.168.43.224:0.0
> For more info, ctrl+click on help or visit our

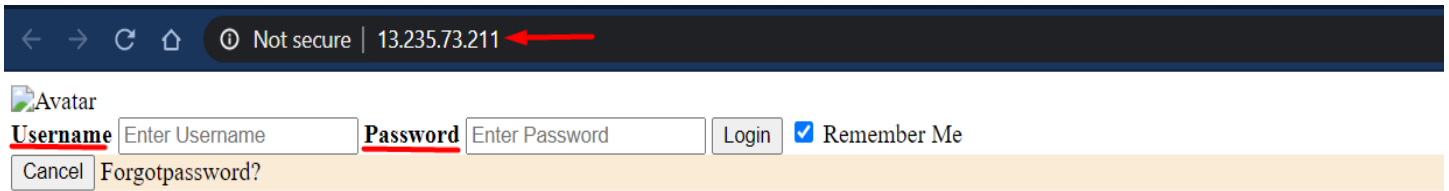
Last login: Mon Aug 24 08:34:01 2020 from 47.247.38.55

 _ | _ | _ )
 _ | ( _ | /   Amazon Linux 2 AMI
 _ | \ _ | _ |

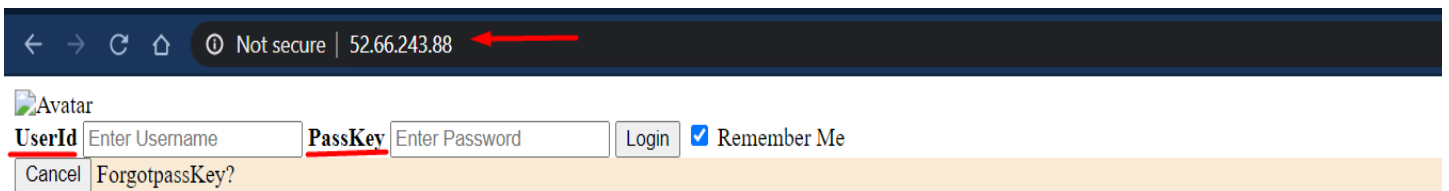
https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-2-104 ~]$ sudo su
[root@ip-172-31-2-104 ec2-user]# cd /var/www/html
[root@ip-172-31-2-104 html]# ls
index.html
[root@ip-172-31-2-104 html]#
```

Task 4: Check if the application is deployed on both servers by copy pasting the public ip of the servers into the browser.

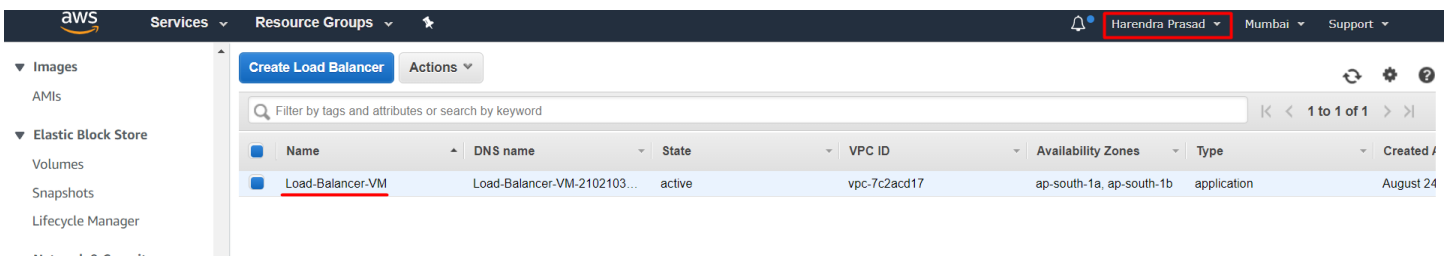
Server :1



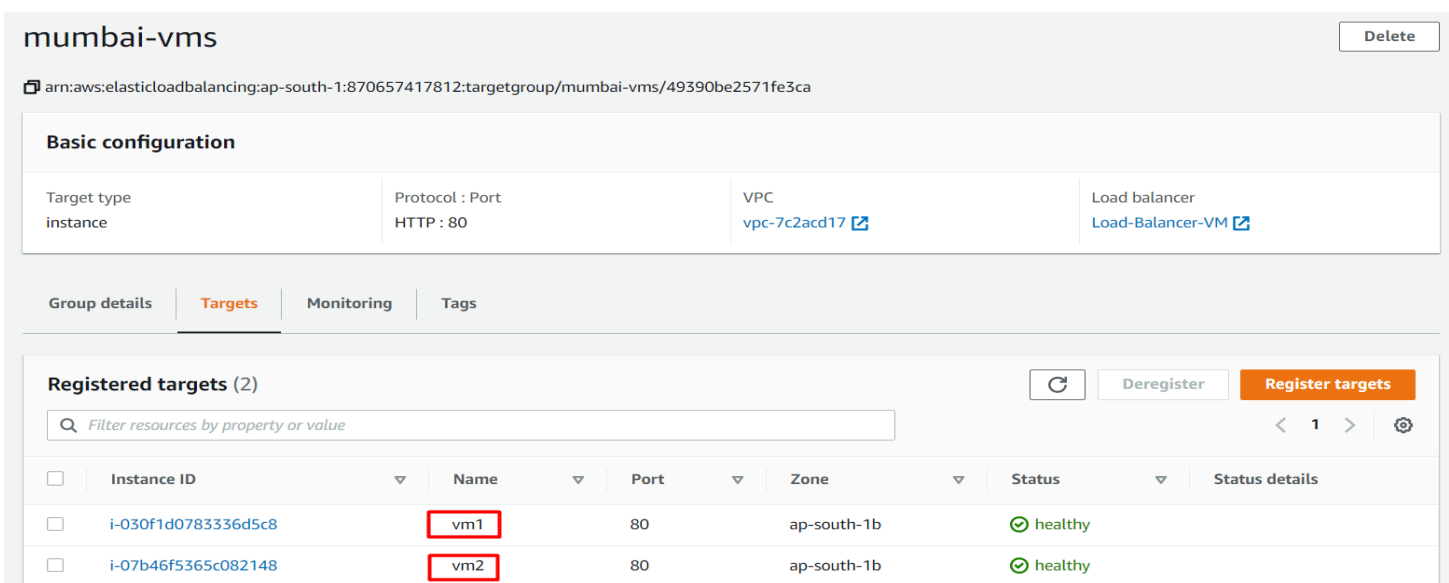
Server :2



Task:5 Create a application load balancer with the above two instances as targets.

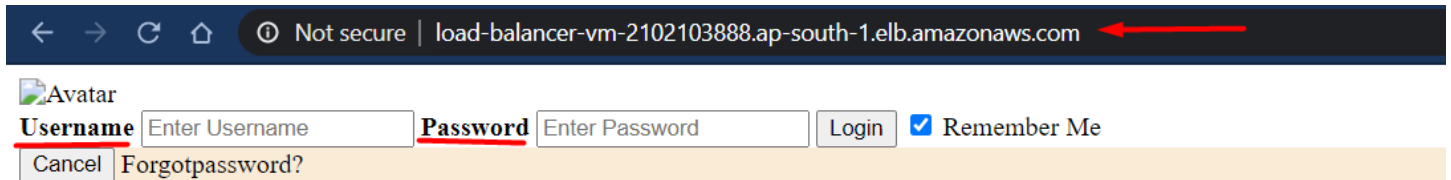


Name	DNS name	State	VPC ID	Availability Zones	Type	Created At
Load-Balancer-VM	Load-Balancer-VM-2102103...	active	vpc-7c2acd17	ap-south-1a, ap-south-1b	application	August 24



Instance ID	Name	Port	Zone	Status	Status details
i-030f1d078336d5c8	vm1	80	ap-south-1b	healthy	
i-07b46f5365c082148	vm2	80	ap-south-1b	healthy	

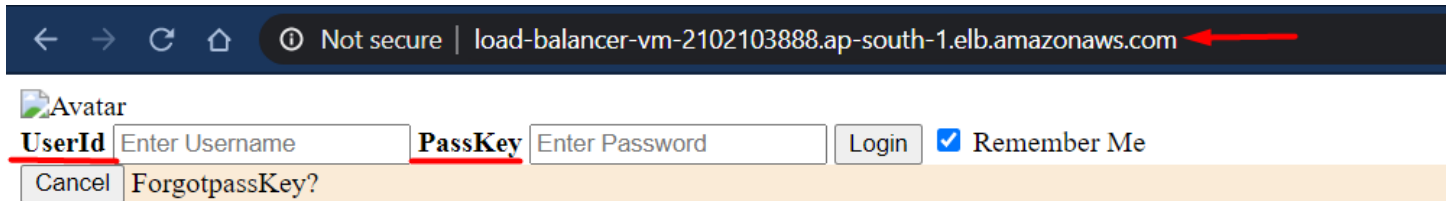
Task 6: Check the functioning of ELB



Avatar

Username **Password** ☒ Remember Me

[Forgotpassword?](#)



Avatar

UserId **PassKey** ☒ Remember Me

[ForgotpassKey?](#)

Project Completed.

Thanks,

Harendra Prasad