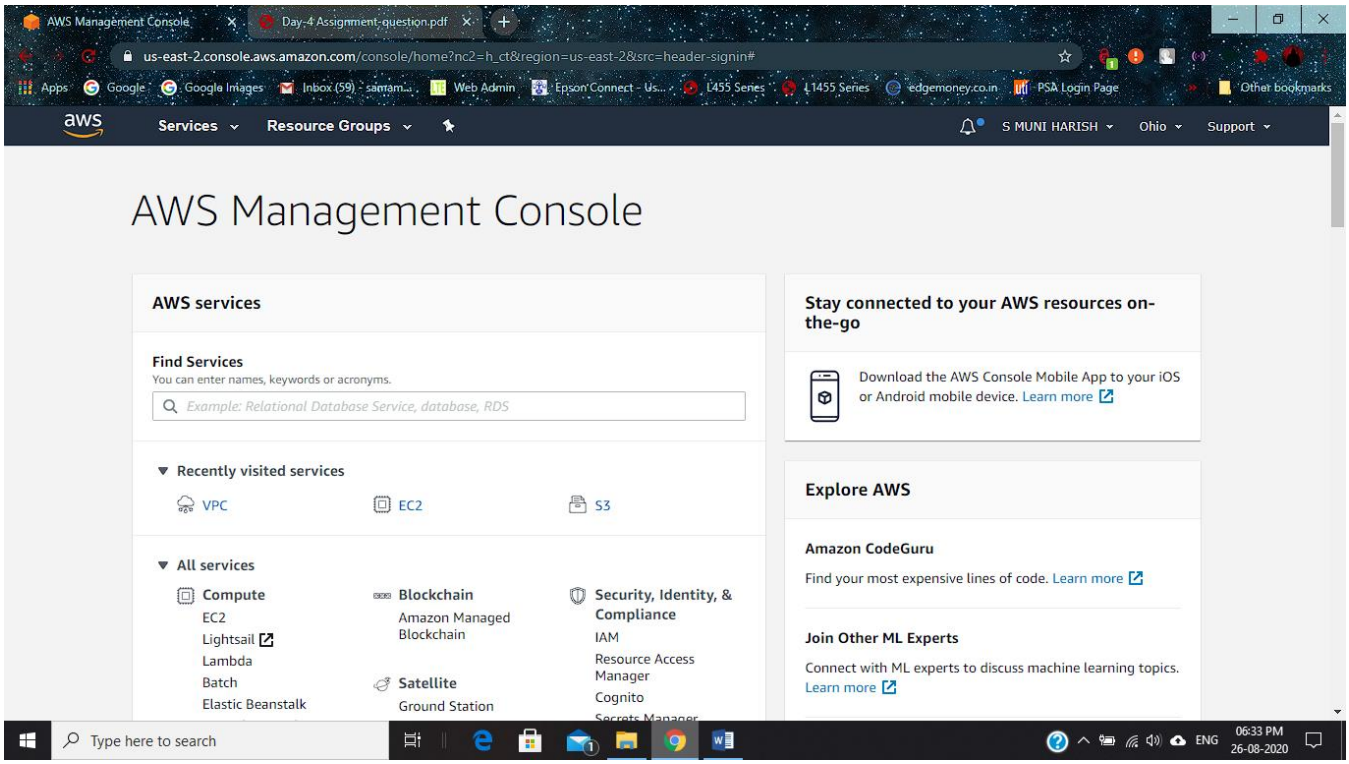
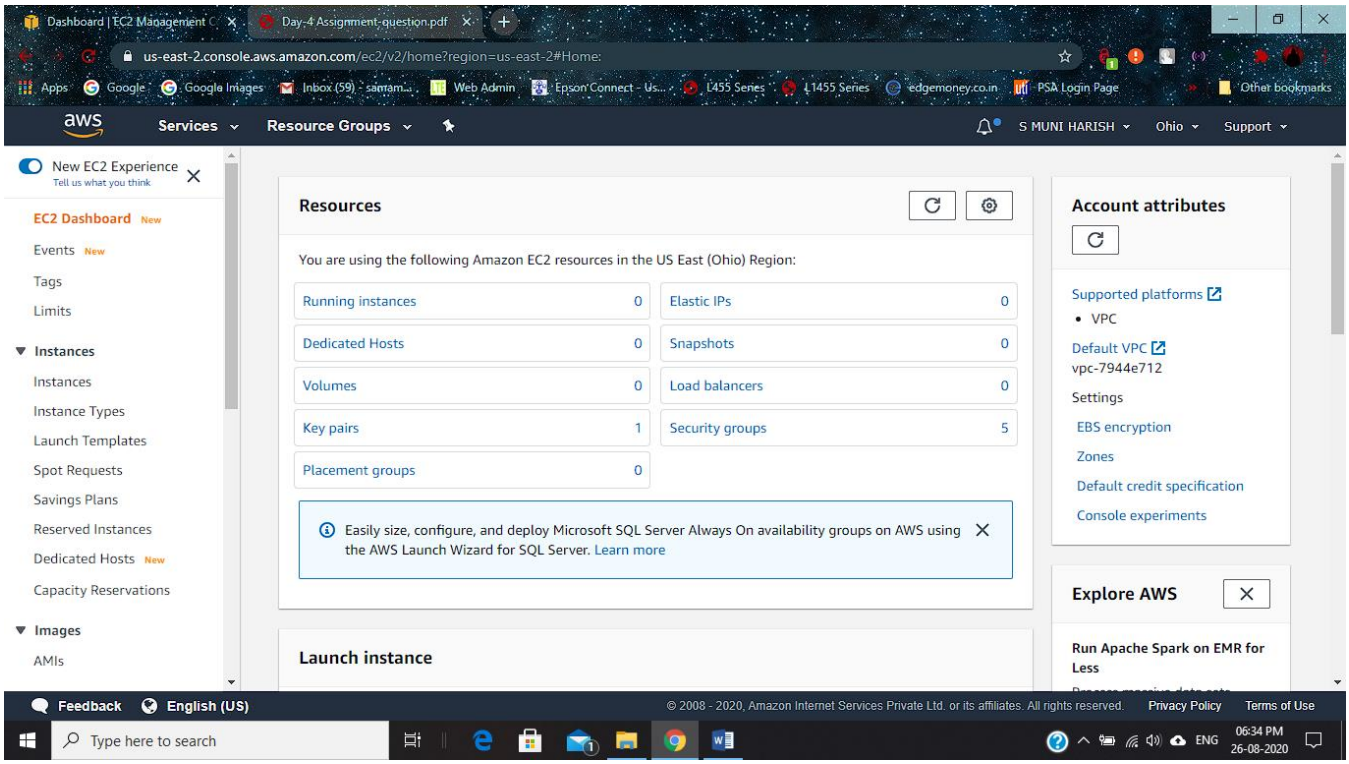
Project – 3

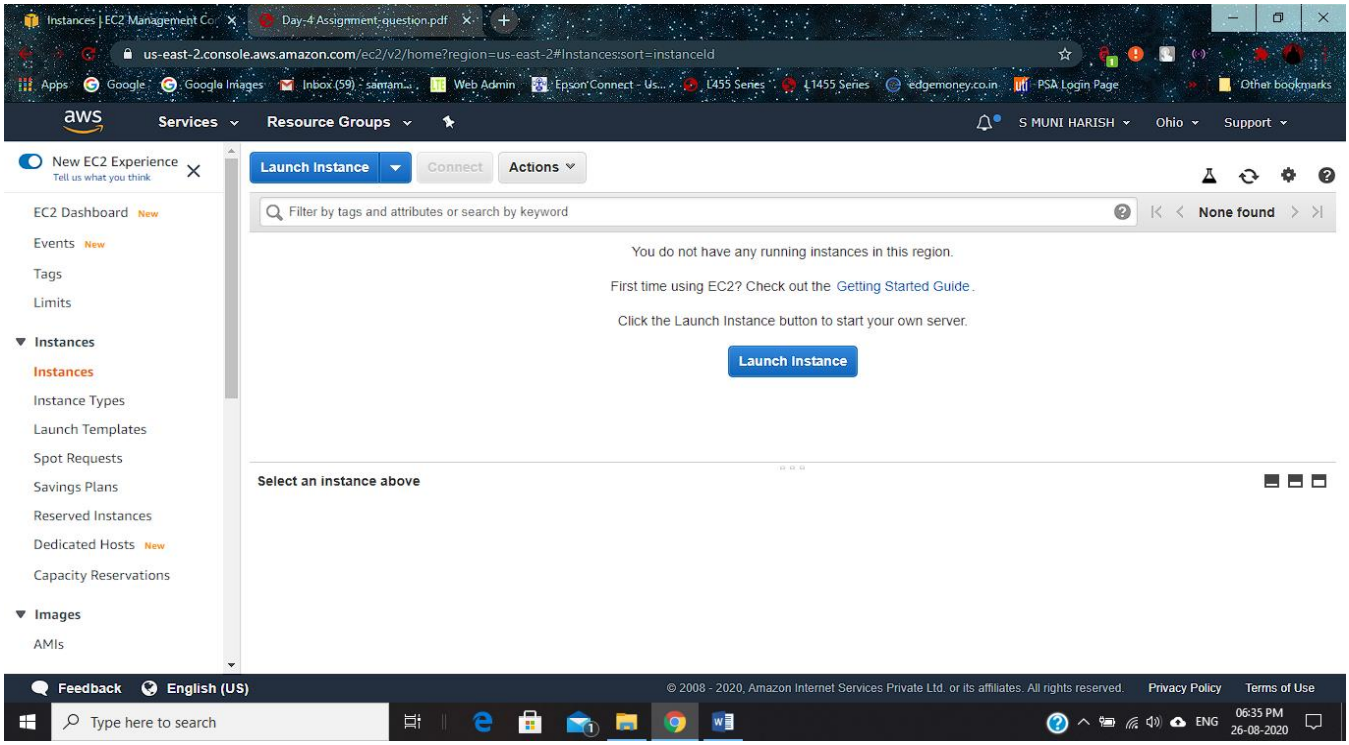
(By S MUNI HARISH)

- Open the AMAZON MANAGEMENT CONSOLE and Select the EC2 services

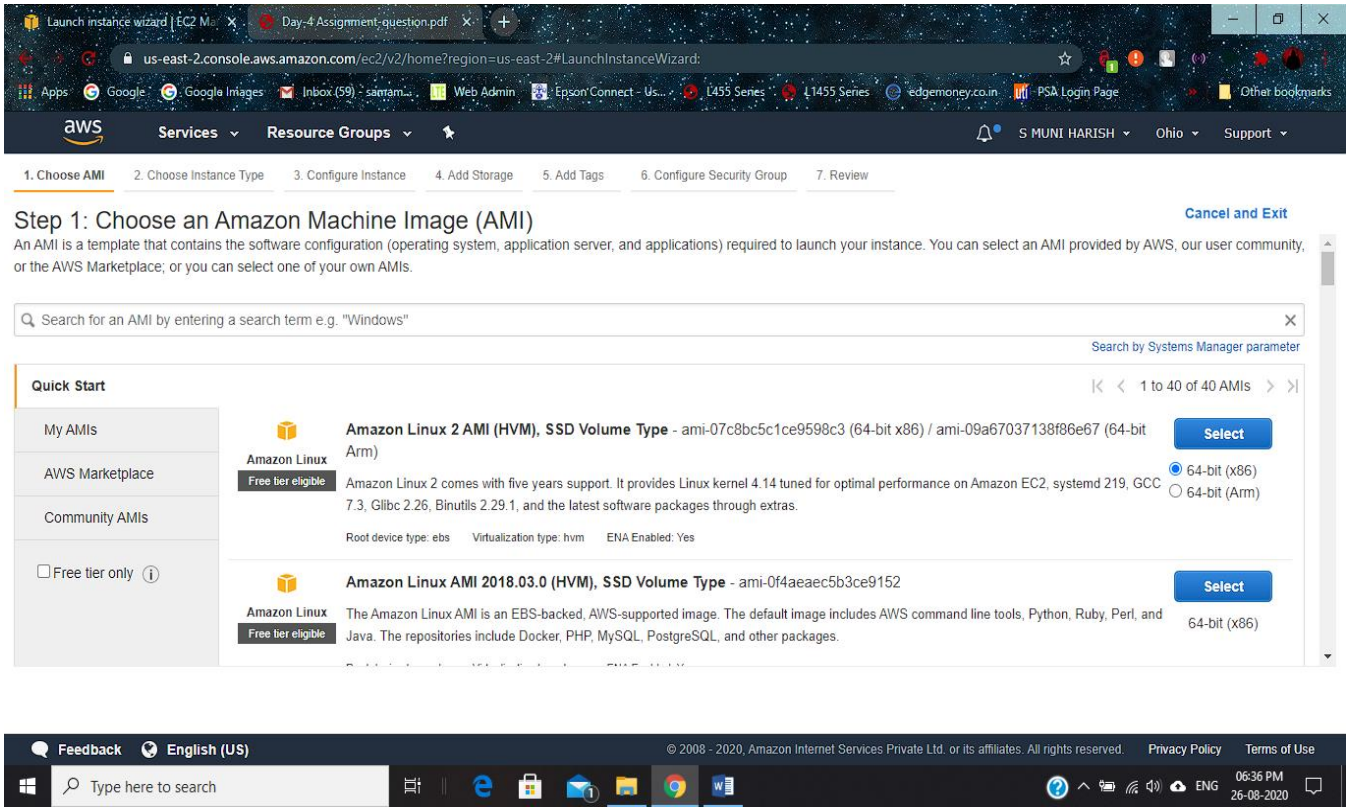




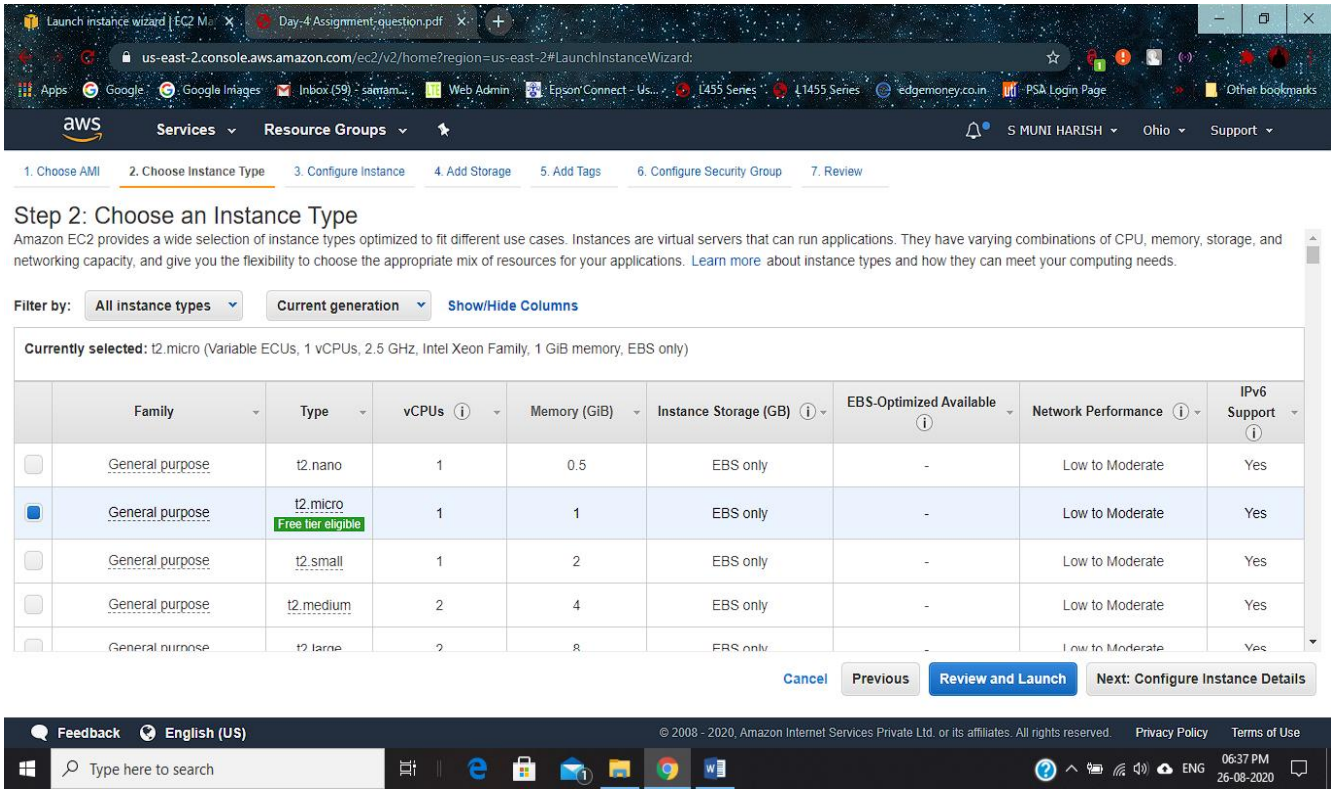
- Create two linux instances,Use the first free linux AMI

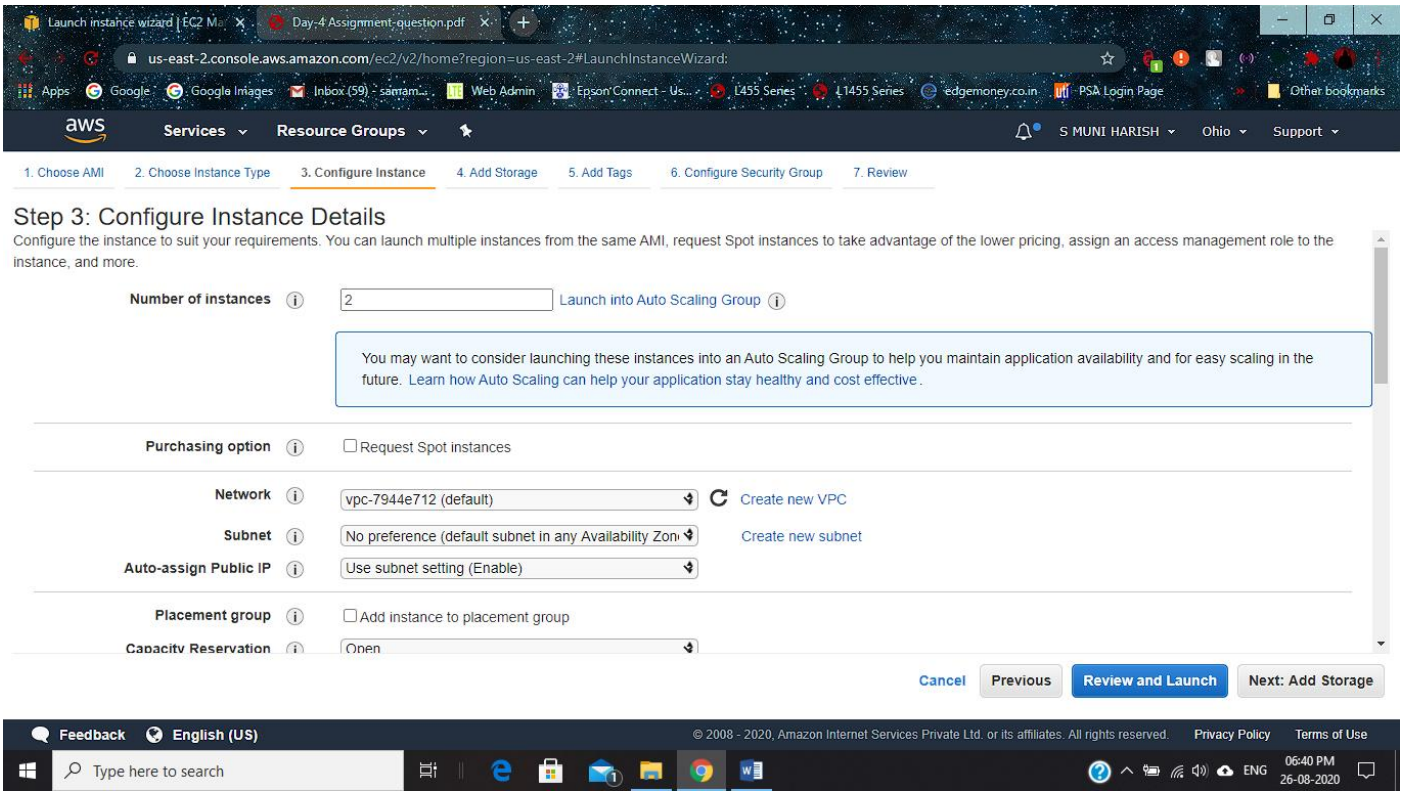


- Select the Linux Images

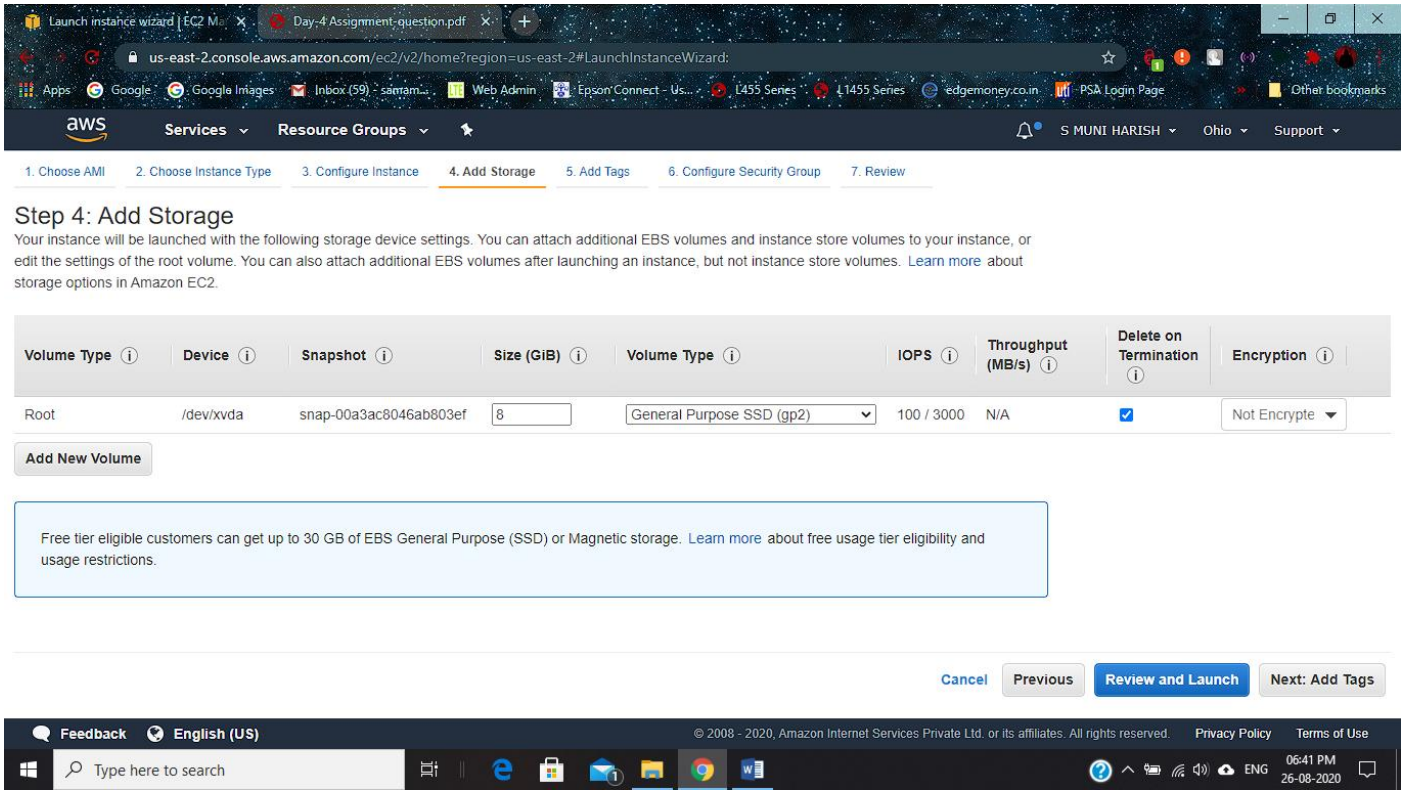


- Select and Proceed Free tier Eligible

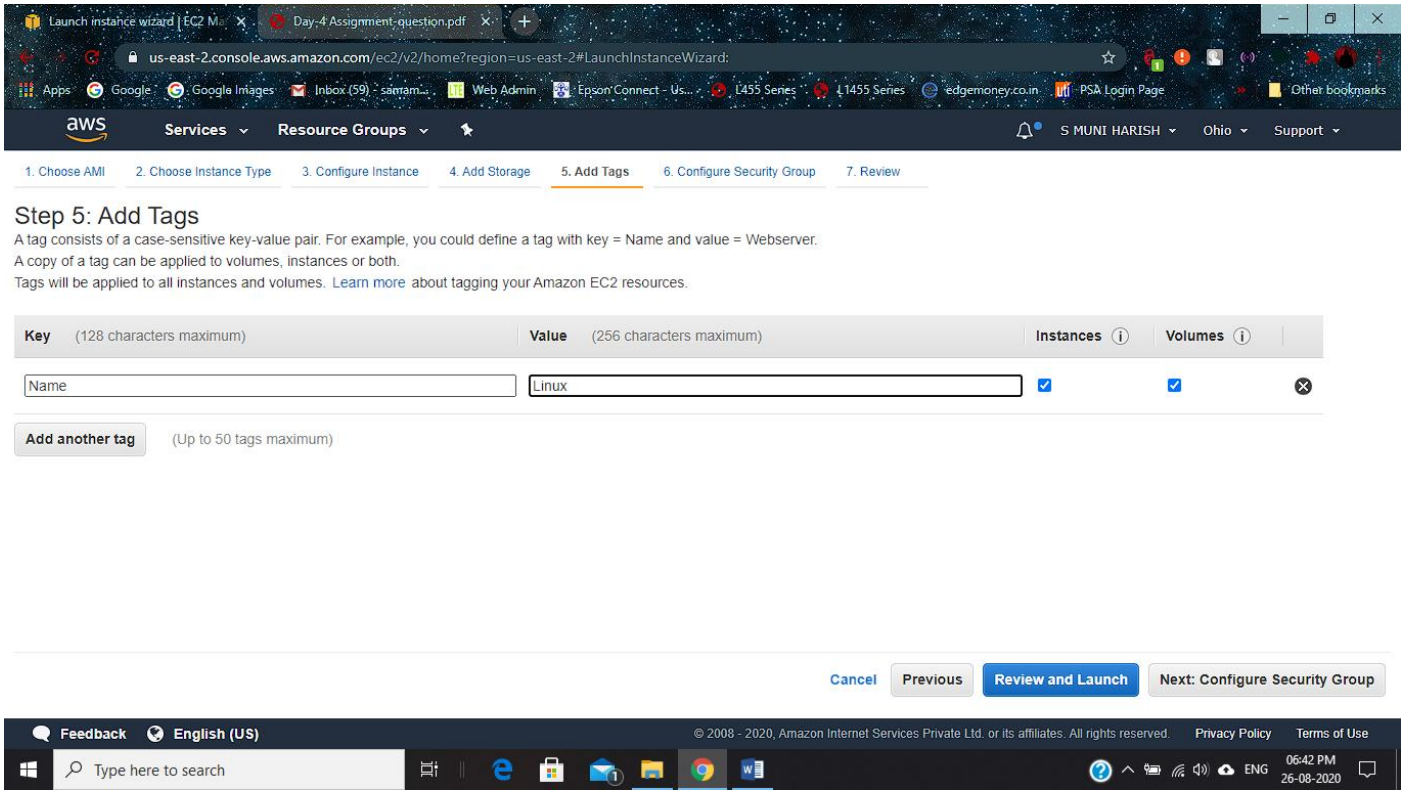




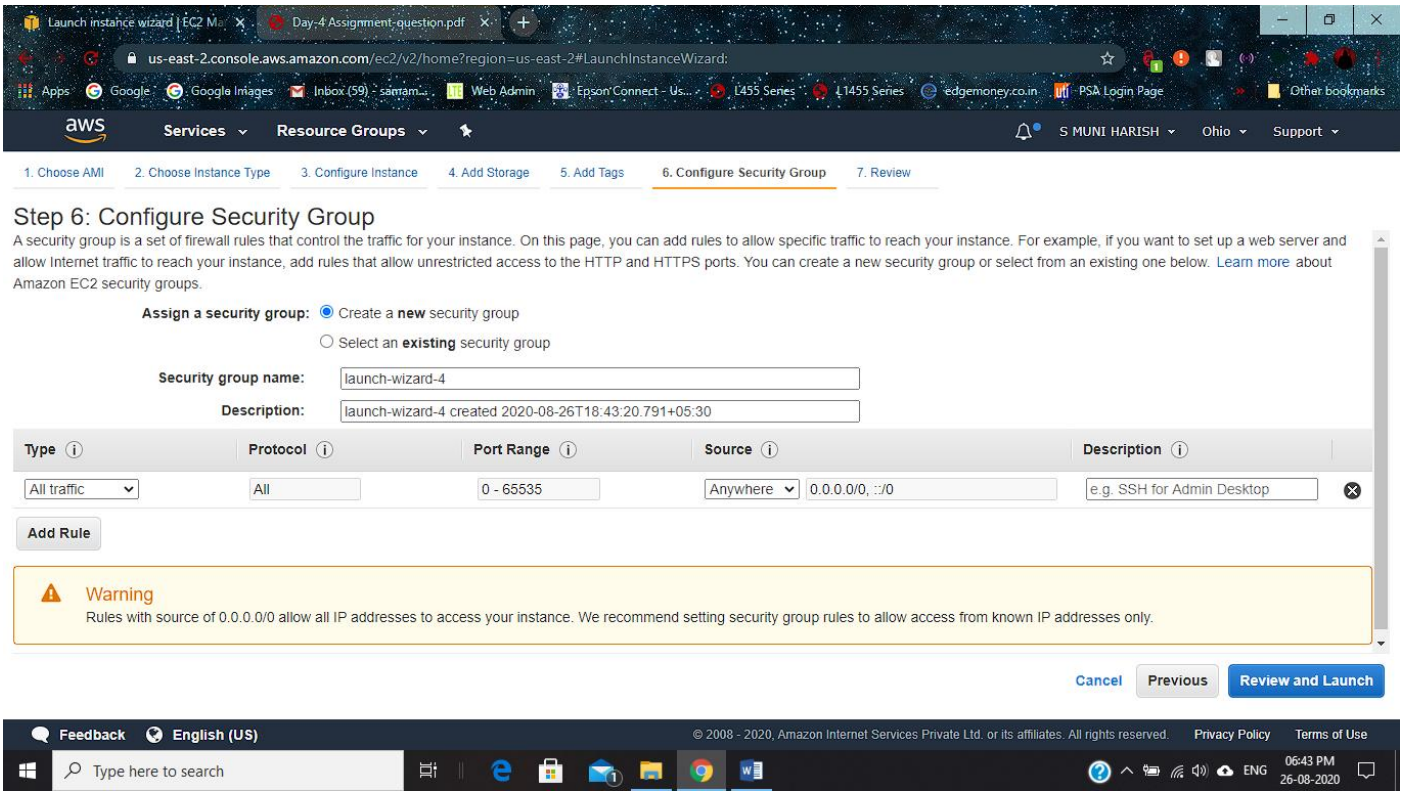
- Add the Storage

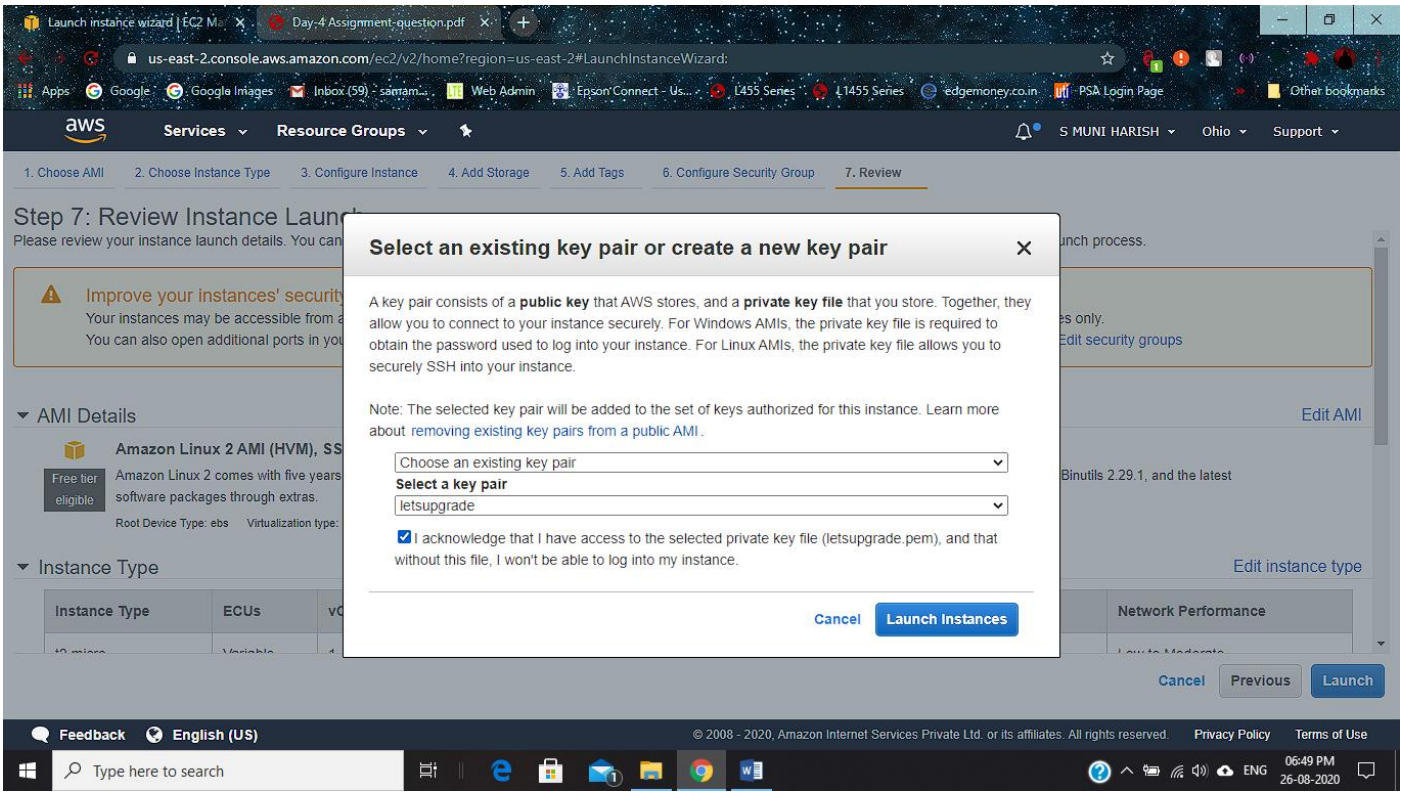


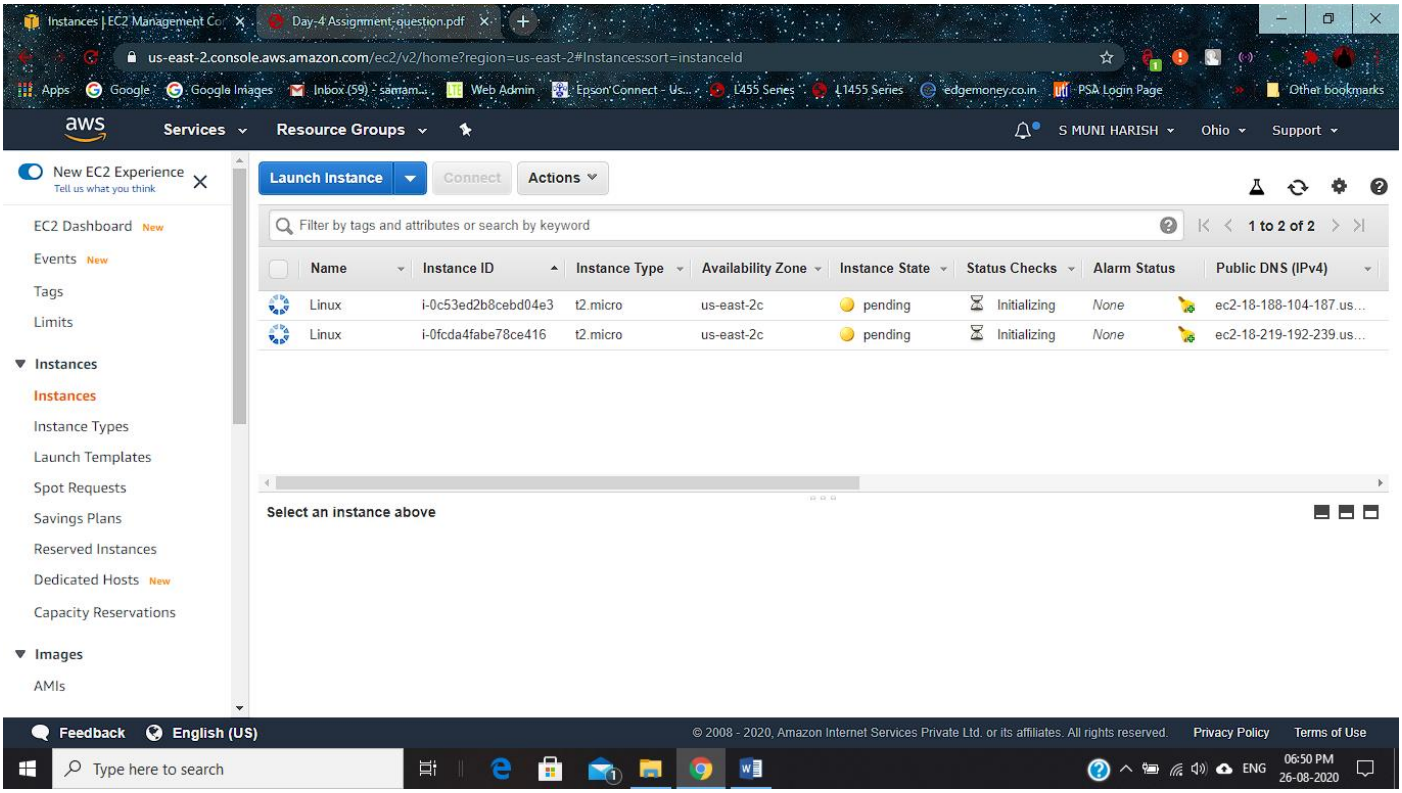
- Adding Tags

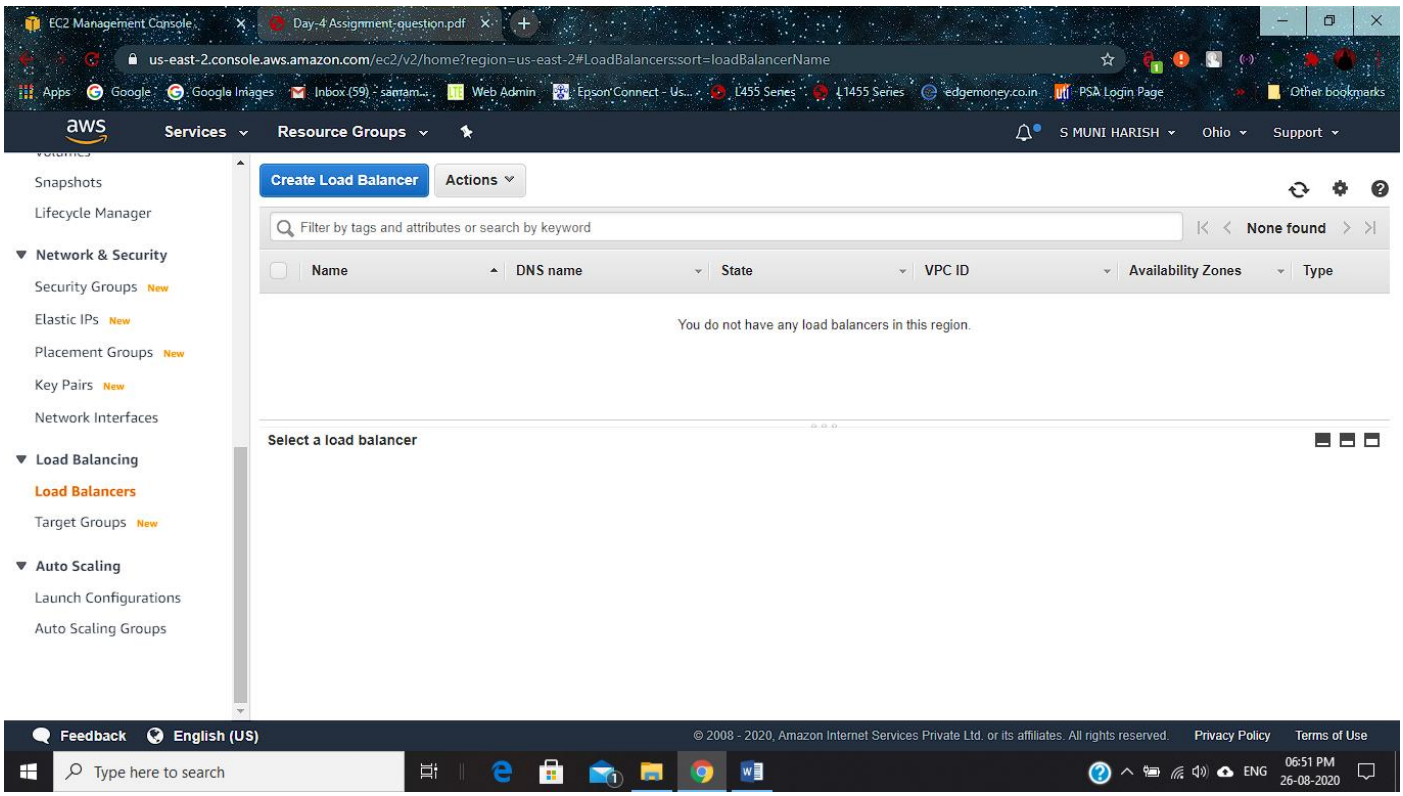


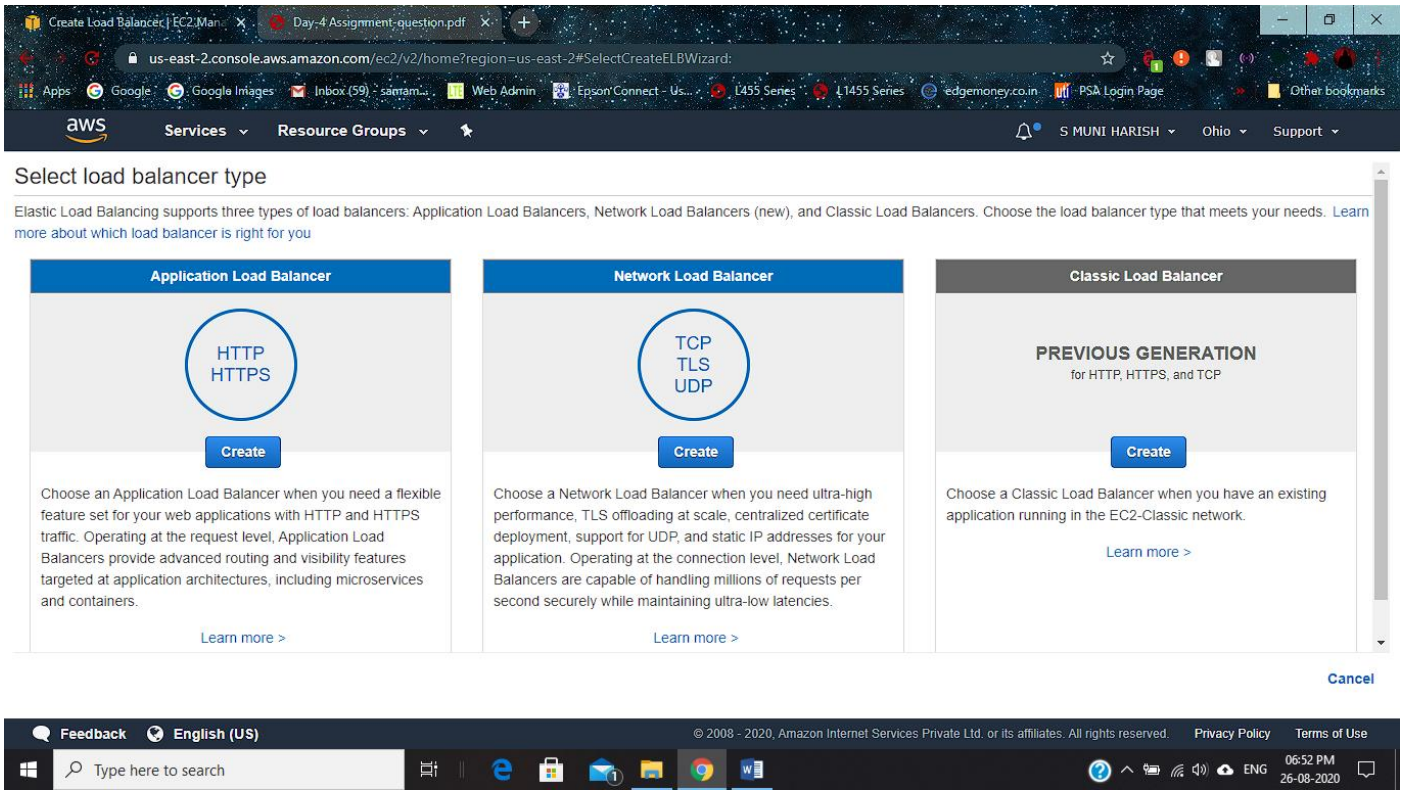
- Configure Security Groups

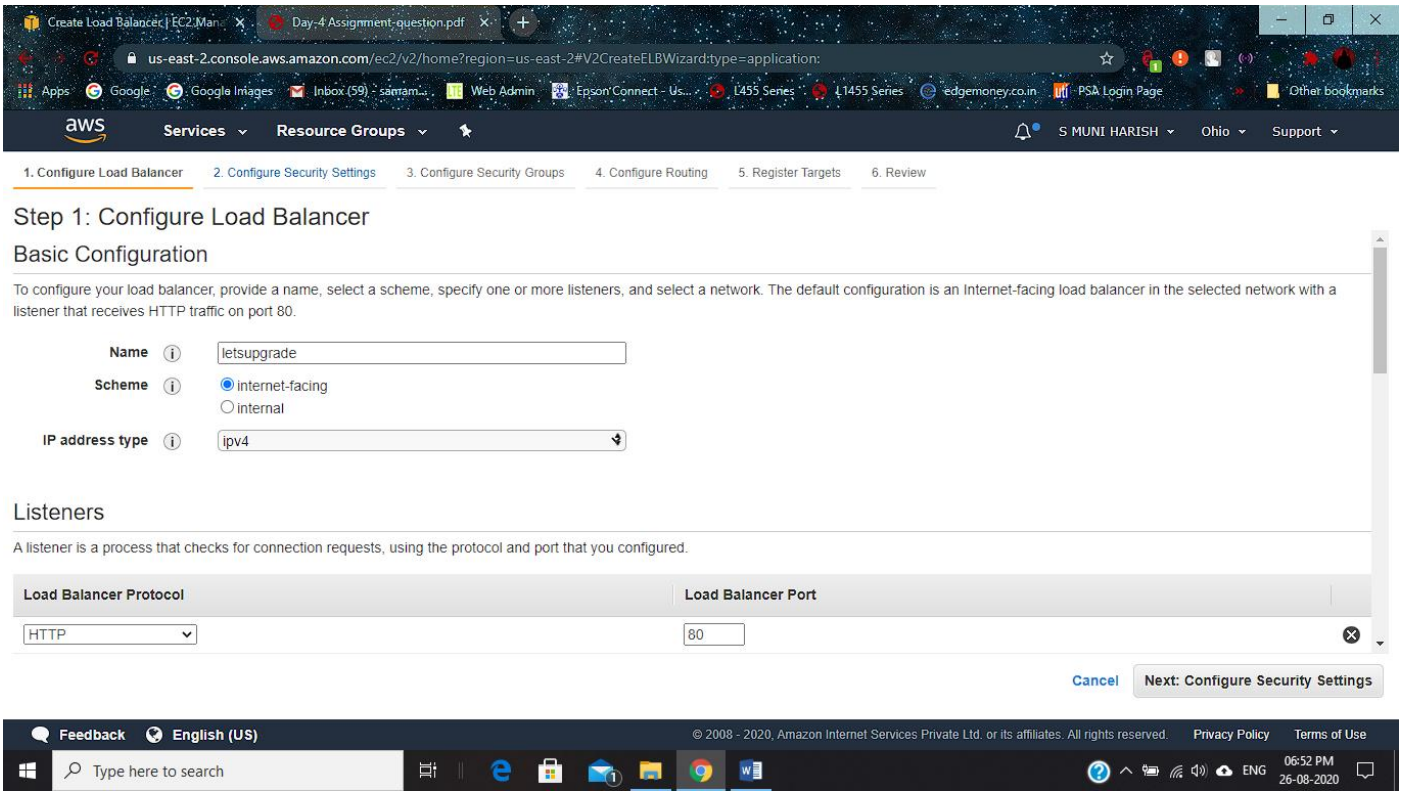


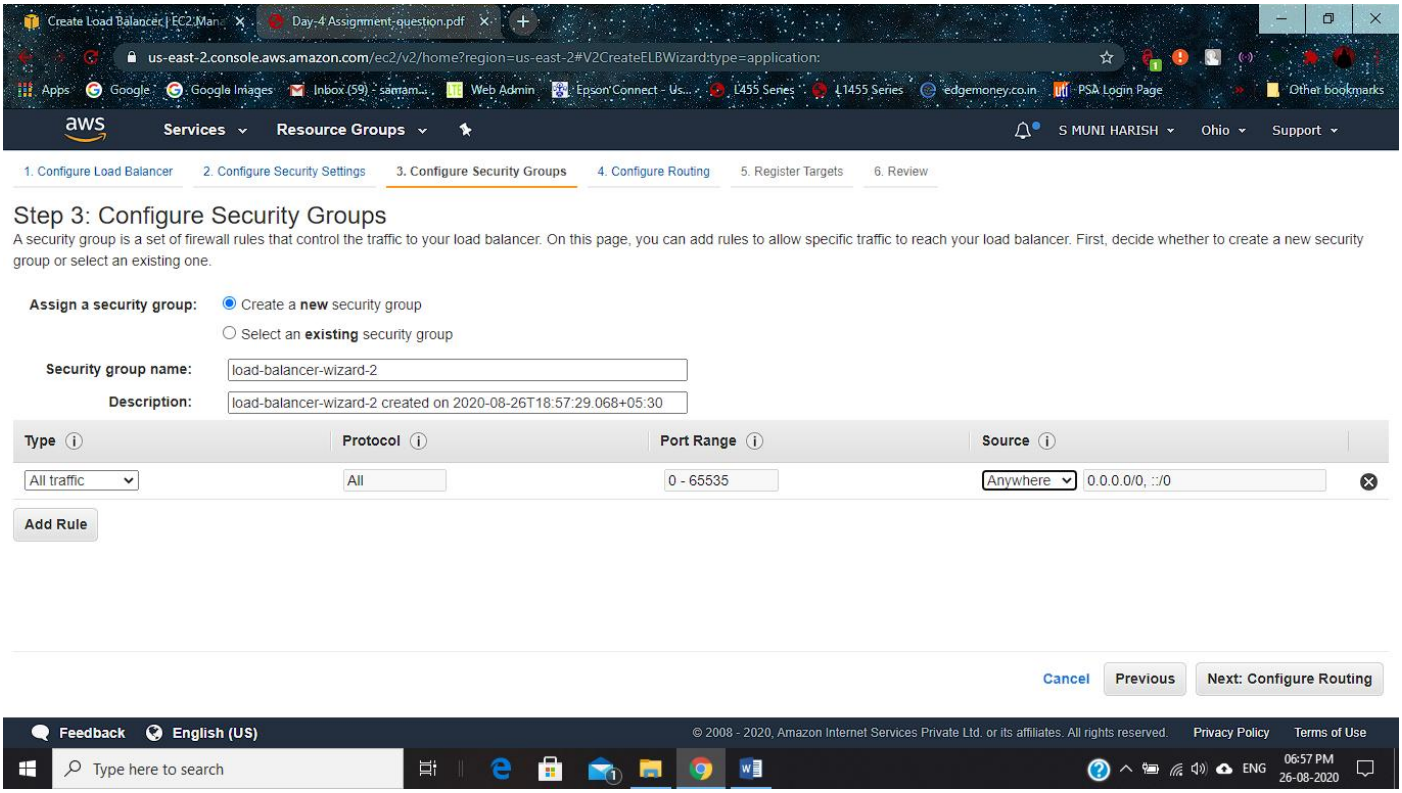


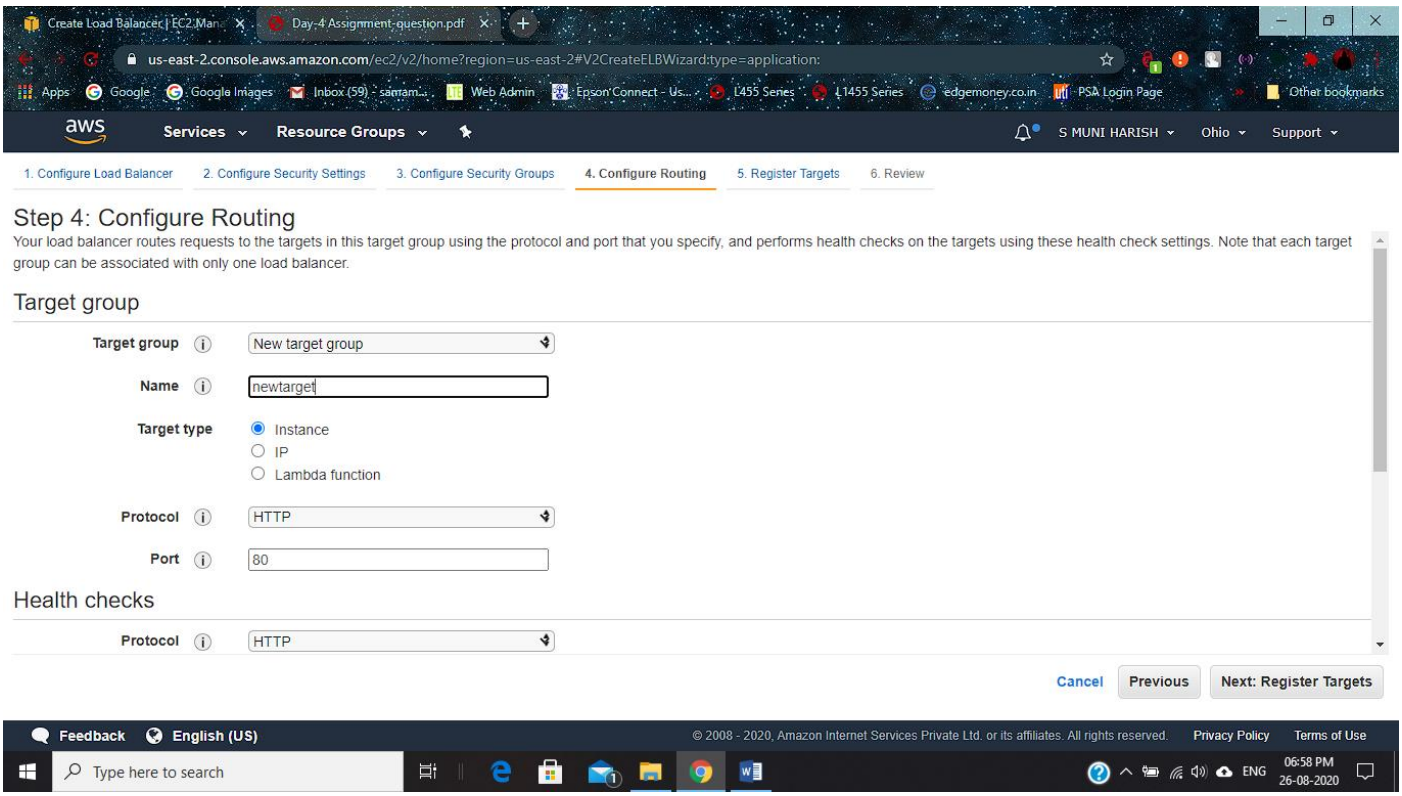

Instances | EC2 Management Co
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceId
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
New EC2 Experience
Tell us what you think
EC2 Dashboard New
Events New
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts New
Capacity Reservations
Images
AMIs
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
Linux
i-0c53ed2b8cebd04e3
t2.micro
us-east-2c
pending
Initializing
None
ec2-18-188-104-187.us...
Linux
i-0fcda4fabe78ce416
t2.micro
us-east-2c
pending
Initializing
None
ec2-18-219-192-239.us...
Select an instance above
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:50 PM
26-08-2020

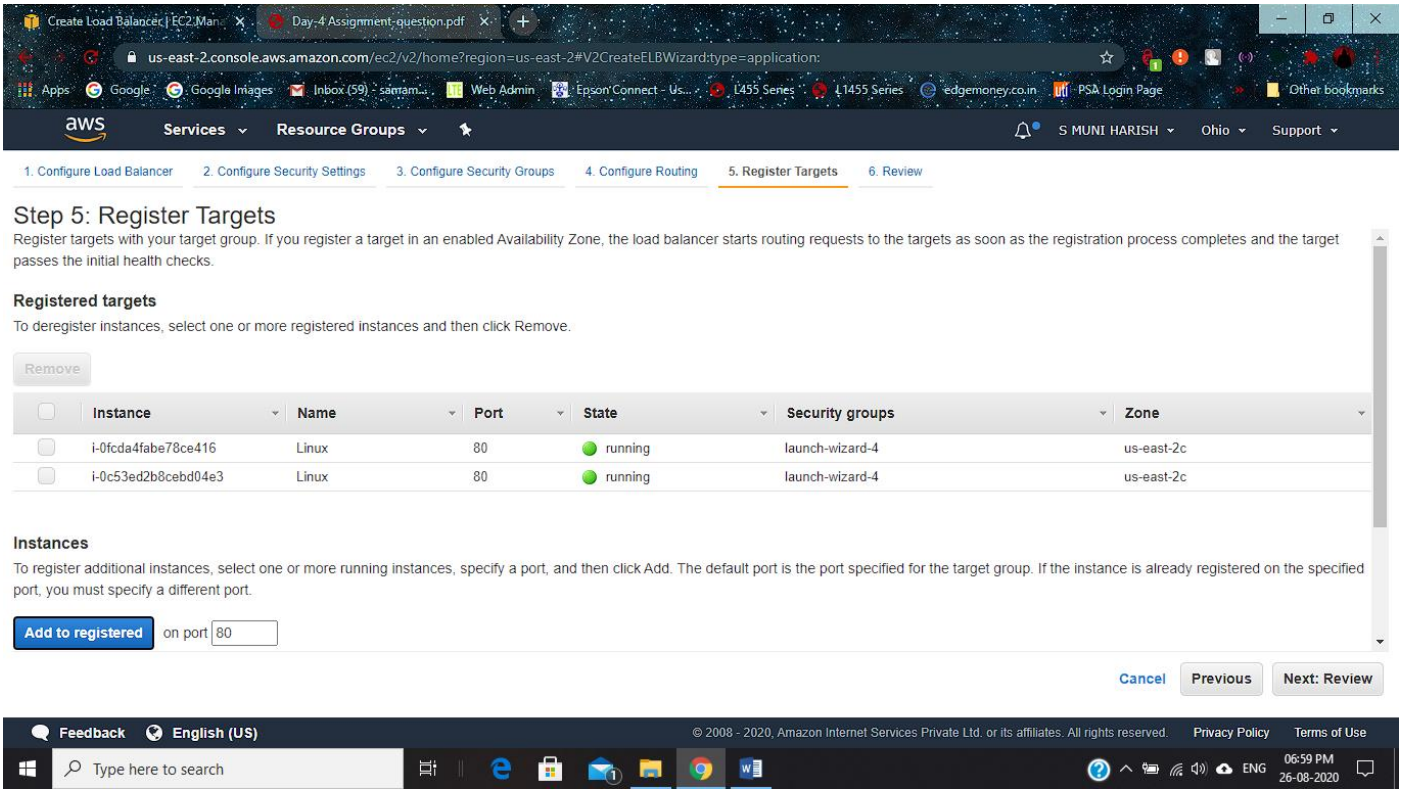

EC2 Management Console
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
Snapshots
Lifecycle Manager
Network & Security
Security Groups New
Elastic IPs New
Placement Groups New
Key Pairs New
Network Interfaces
Load Balancing
Load Balancers
Target Groups New
Auto Scaling
Launch Configurations
Auto Scaling Groups
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
None found
Name
DNS name
State
VPC ID
Availability Zones
Type
You do not have any load balancers in this region.
Select a load balancer
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:51 PM
26-08-2020

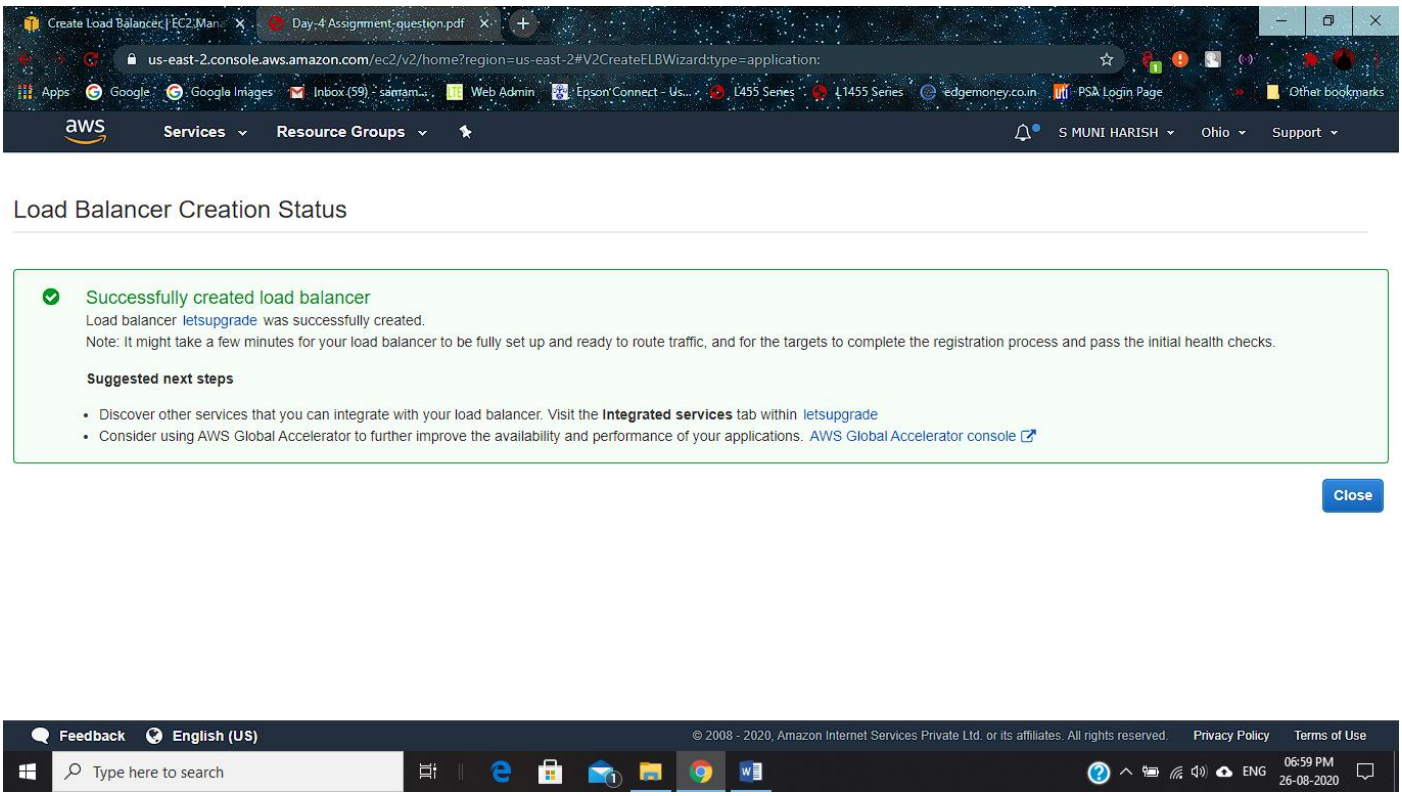

Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SelectCreateELBWizard:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
Select load balancer type
Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers (new), and Classic Load Balancers. Choose the load balancer type that meets your needs. Learn more about which load balancer is right for you
Application Load Balancer
HTTP
HTTPS
Create
Choose an Application Load Balancer when you need a flexible feature set for your web applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.
Learn more >
Network Load Balancer
TCP
TLS
UDP
Create
Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.
Learn more >
Classic Load Balancer
PREVIOUS GENERATION
for HTTP, HTTPS, and TCP
Create
Choose a Classic Load Balancer when you have an existing application running in the EC2-Classic network.
Learn more >
Cancel
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:52 PM
26-08-2020

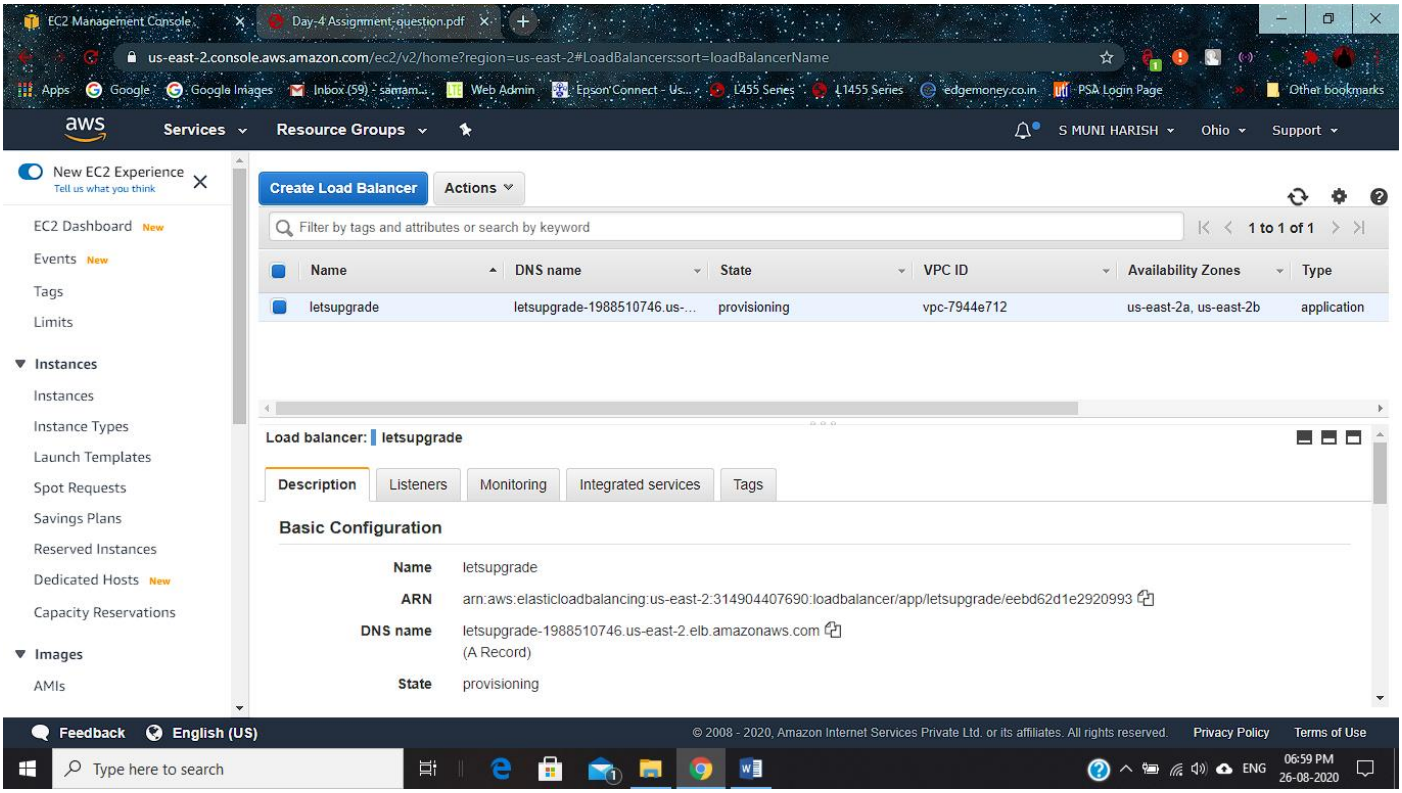

Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard:type=application:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 1: Configure Load Balancer
Basic Configuration
To configure your load balancer, provide a name, select a scheme, specify one or more listeners, and select a network. The default configuration is an Internet-facing load balancer in the selected network with a listener that receives HTTP traffic on port 80.
Name
letsupgrade
Scheme
internet-facing
internal
IP address type
ipv4
Listeners
A listener is a process that checks for connection requests, using the protocol and port that you configured.
Load Balancer Protocol
Load Balancer Port
HTTP
80
Cancel
Next: Configure Security Settings
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:52 PM
26-08-2020

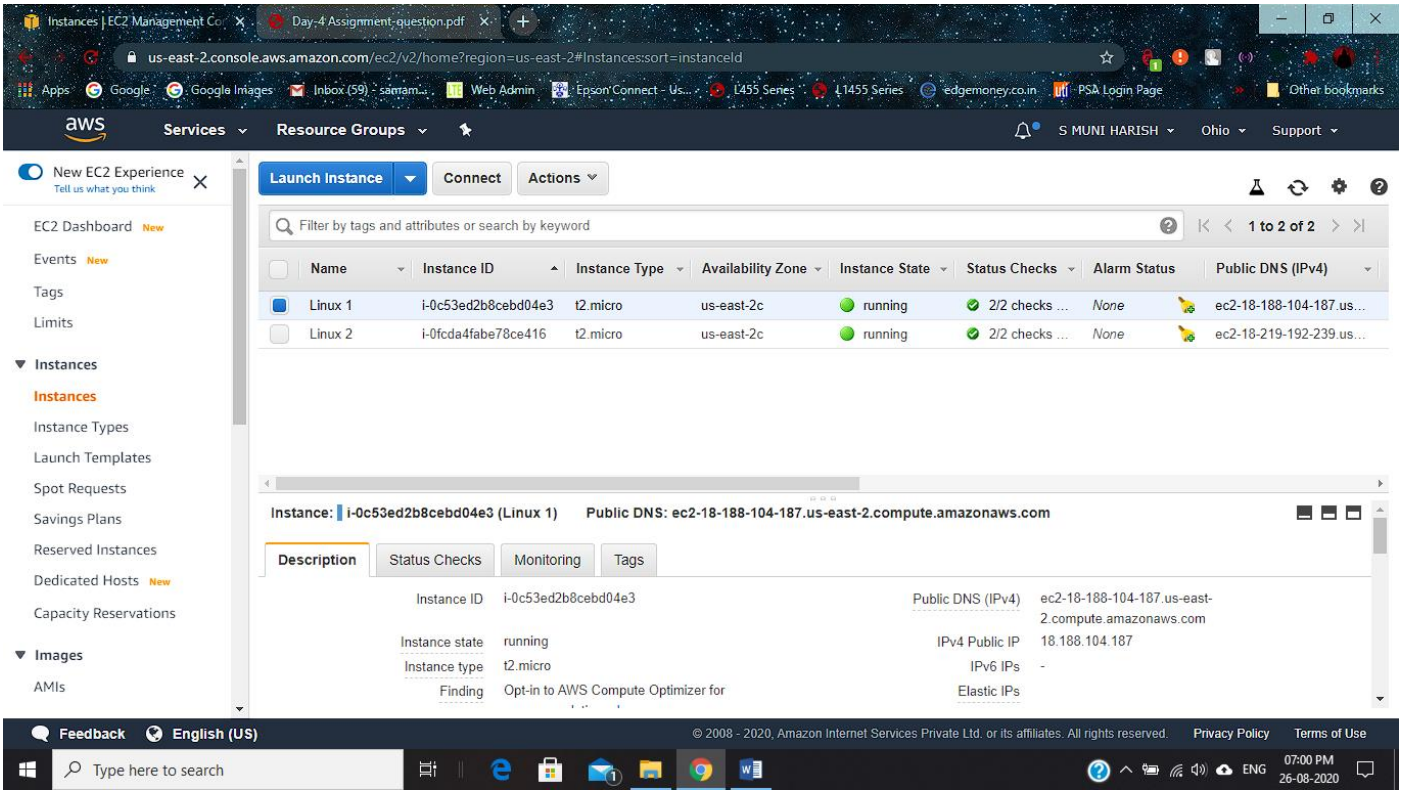

Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard:type=application:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 3: Configure Security Groups
A security group is a set of firewall rules that control the traffic to your load balancer. On this page, you can add rules to allow specific traffic to reach your load balancer. First, decide whether to create a new security group or select an existing one.
Assign a security group:
Create a new security group
Select an existing security group
Security group name:
load-balancer-wizard-2
Description:
load-balancer-wizard-2 created on 2020-08-26T18:57:29.068+05:30
Type
Protocol
Port Range
Source
All traffic
All
0 - 65535
Anywhere
0.0.0.0/0, ::/0
Add Rule
Cancel
Previous
Next: Configure Routing
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:57 PM
26-08-2020


Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard:type=application:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 4: Configure Routing
Your load balancer routes requests to the targets in this target group using the protocol and port that you specify, and performs health checks on the targets using these health check settings. Note that each target group can be associated with only one load balancer.
Target group
Target group
New target group
Name
newtarget
Target type
Instance
IP
Lambda function
Protocol
HTTP
Port
80
Health checks
Protocol
HTTP
Cancel
Previous
Next: Register Targets
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:58 PM
26-08-2020

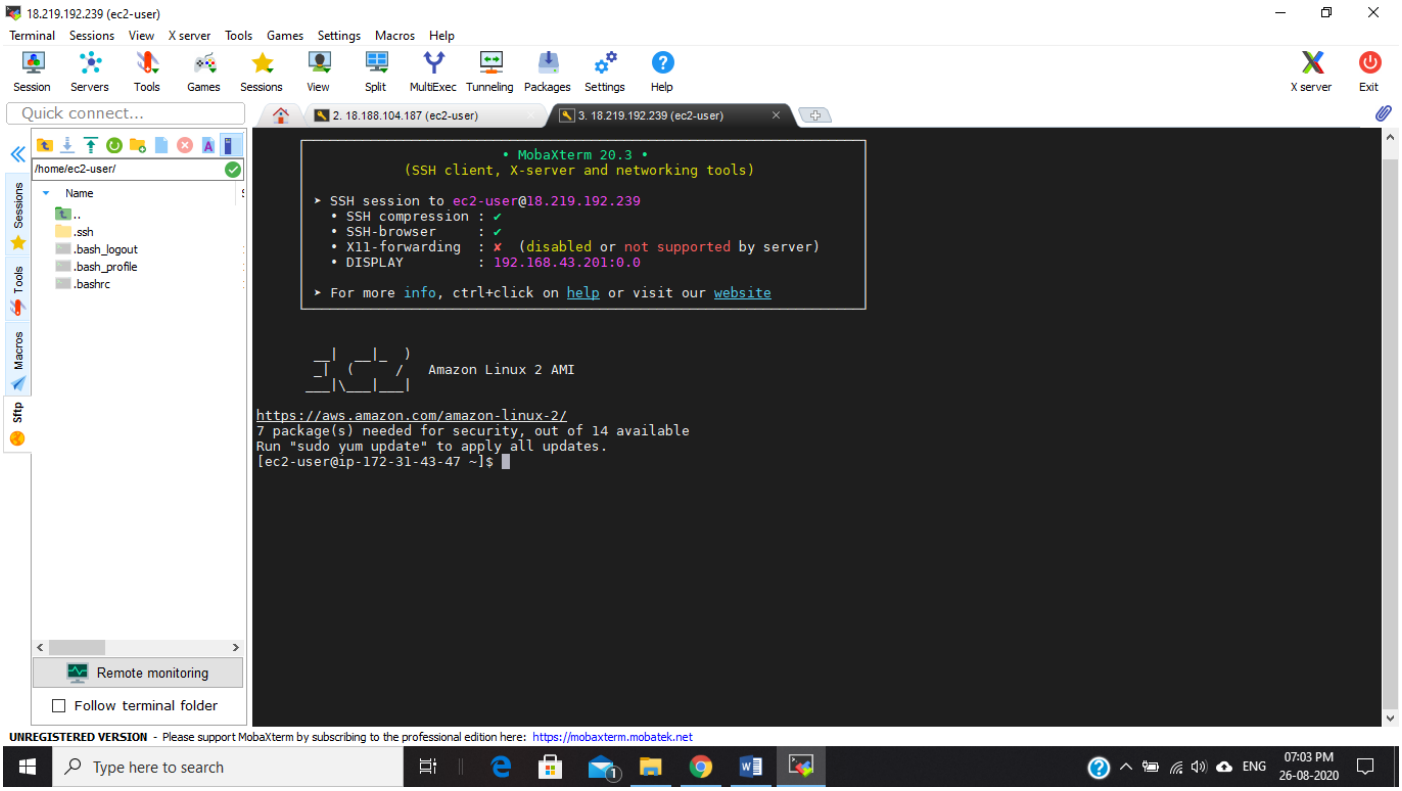

Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard:type=application:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 5: Register Targets
Register targets with your target group. If you register a target in an enabled Availability Zone, the load balancer starts routing requests to the targets as soon as the registration process completes and the target passes the initial health checks.
Registered targets
To deregister instances, select one or more registered instances and then click Remove.
Remove
Instance
Name
Port
State
Security groups
Zone
i-0fcda4fabe78ce416
Linux
80
running
launch-wizard-4
us-east-2c
i-0c53ed2b8cebd04e3
Linux
80
running
launch-wizard-4
us-east-2c
Instances
To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.
Add to registered
on port
80
Cancel
Previous
Next: Review
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:59 PM
26-08-2020

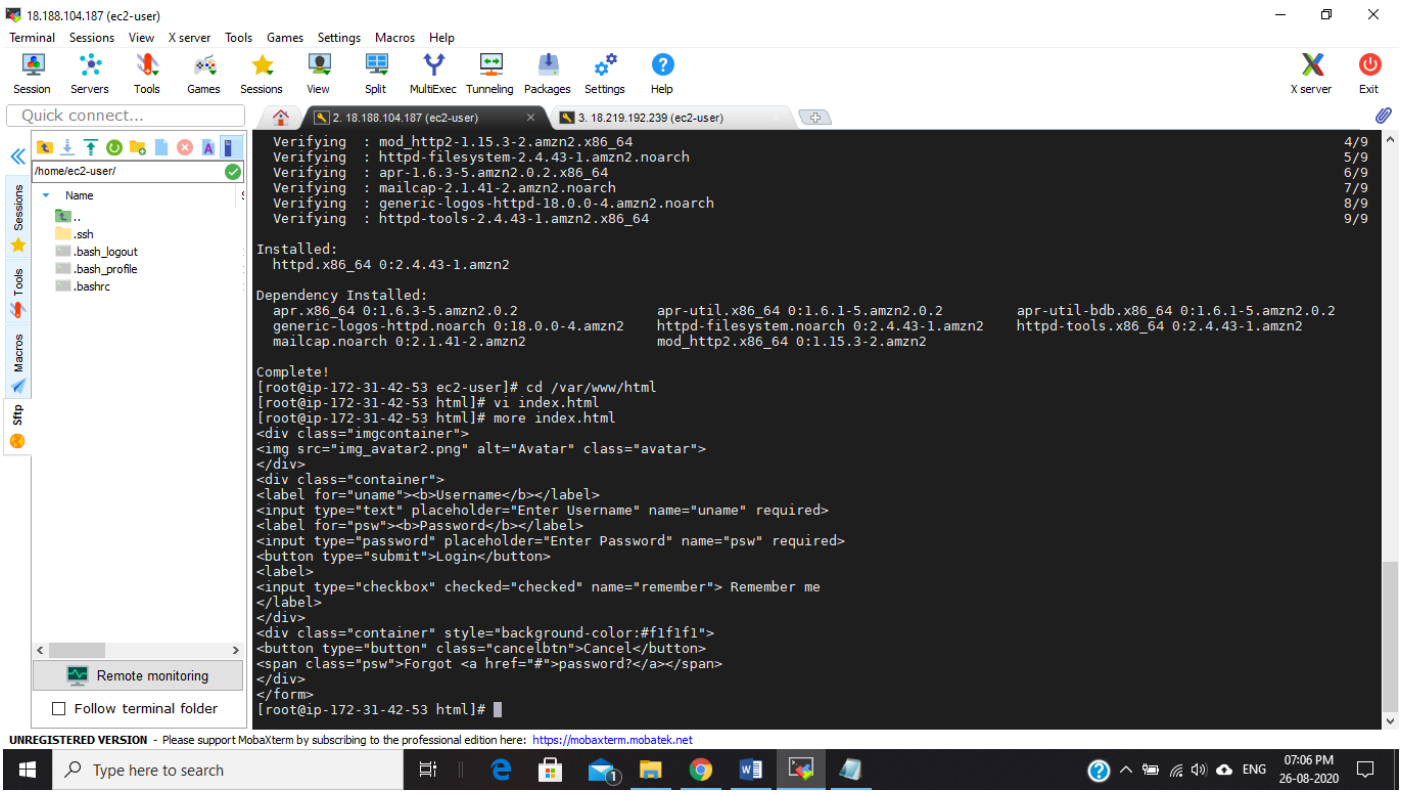

Create Load Balancer | EC2 Man
Day-4 Assignment-question.pdf
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard:type=application:
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
Load Balancer Creation Status
Successfully created load balancer
Load balancer letsupgrade was successfully created.
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic, and for the targets to complete the registration process and pass the initial health checks.
Suggested next steps
Discover other services that you can integrate with your load balancer. Visit the Integrated services tab within letsupgrade
Consider using AWS Global Accelerator to further improve the availability and performance of your applications. AWS Global Accelerator console
Close
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
06:59 PM
26-08-2020





- Launch both instances using Mobaxterm


18.219.192.239 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
2. 18.188.104.187 (ec2-user)
3. 18.219.192.239 (ec2-user)
/home/ec2-user/
Name
..
.ssh
.bash_logout
.bash_profile
.bashrc
Sessions Tools Macros Sftp
Remote monitoring
Follow terminal folder
• MobaXterm 20.3 •
(SSH client, X-server and networking tools)
▸ SSH session to ec2-user@18.219.192.239
• SSH compression : ✓
• SSH-browser : ✓
• X11-forwarding : ✘ (disabled or not supported by server)
• DISPLAY : 192.168.43.201:0.0
▸ For more info, ctrl+click on help or visit our website
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
7 package(s) needed for security, out of 14 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-43-47 ~]$
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
Type here to search
ENG 07:03 PM 26-08-2020

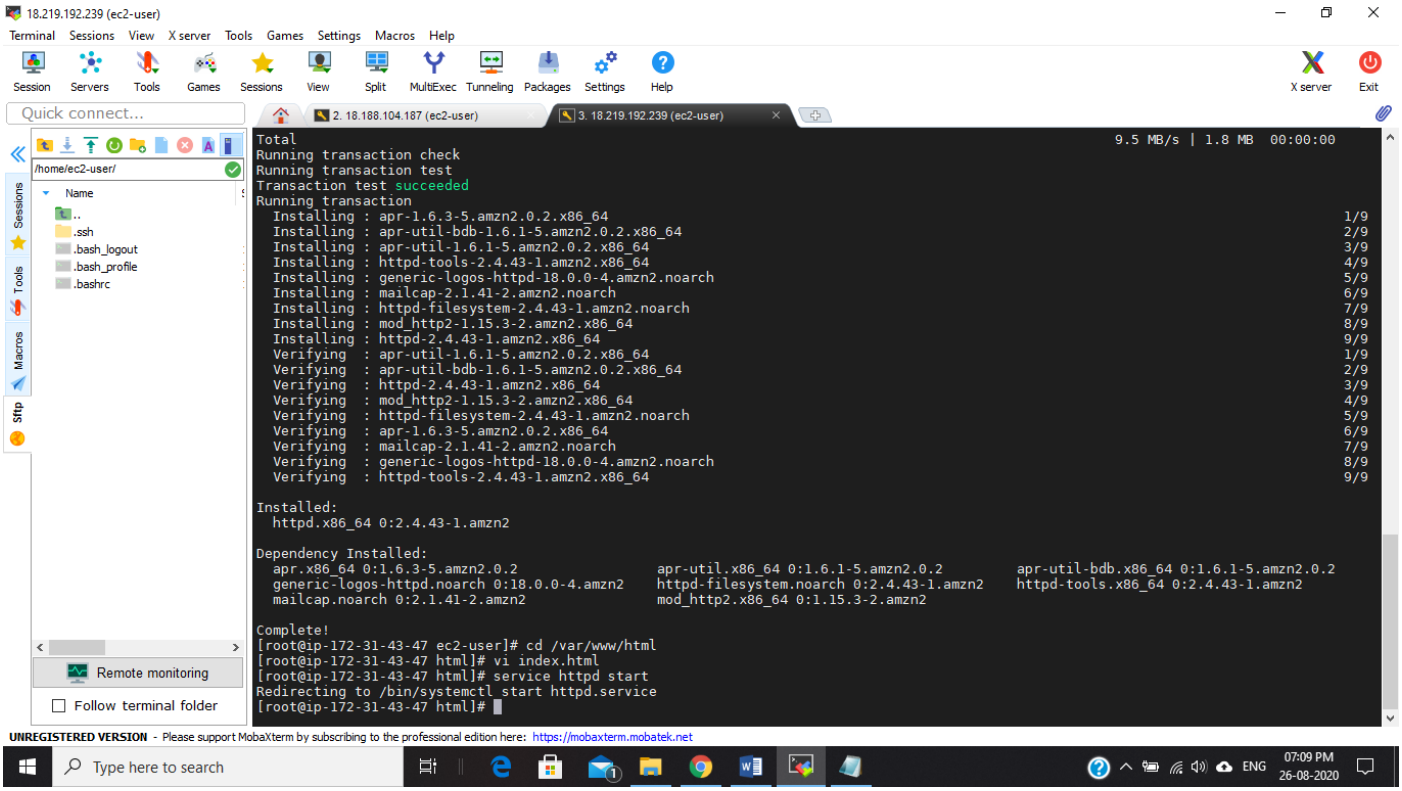

18.188.104.187 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
2. 18.188.104.187 (ec2-user)
3. 18.219.192.239 (ec2-user)
/home/ec2-user/
Name
..
.ssh
.bash_logout
.bash_profile
.bashrc
Sessions Tools Macros Sftp
Remote monitoring
Follow terminal folder
Verifying : mod_http2-1.15.3-2.amzn2.x86_64 4/9
Verifying : httpd-filesystem-2.4.43-1.amzn2.noarch 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-tools-2.4.43-1.amzn2.x86_64 9/9
Installed:
httpd.x86_64 0:2.4.43-1.amzn2
Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.43-1.amzn2 httpd-tools.x86_64 0:2.4.43-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.3-2.amzn2
Complete!
[root@ip-172-31-42-53 ec2-user]# cd /var/www/html
[root@ip-172-31-42-53 html]# vi index.html
[root@ip-172-31-42-53 html]# more index.html

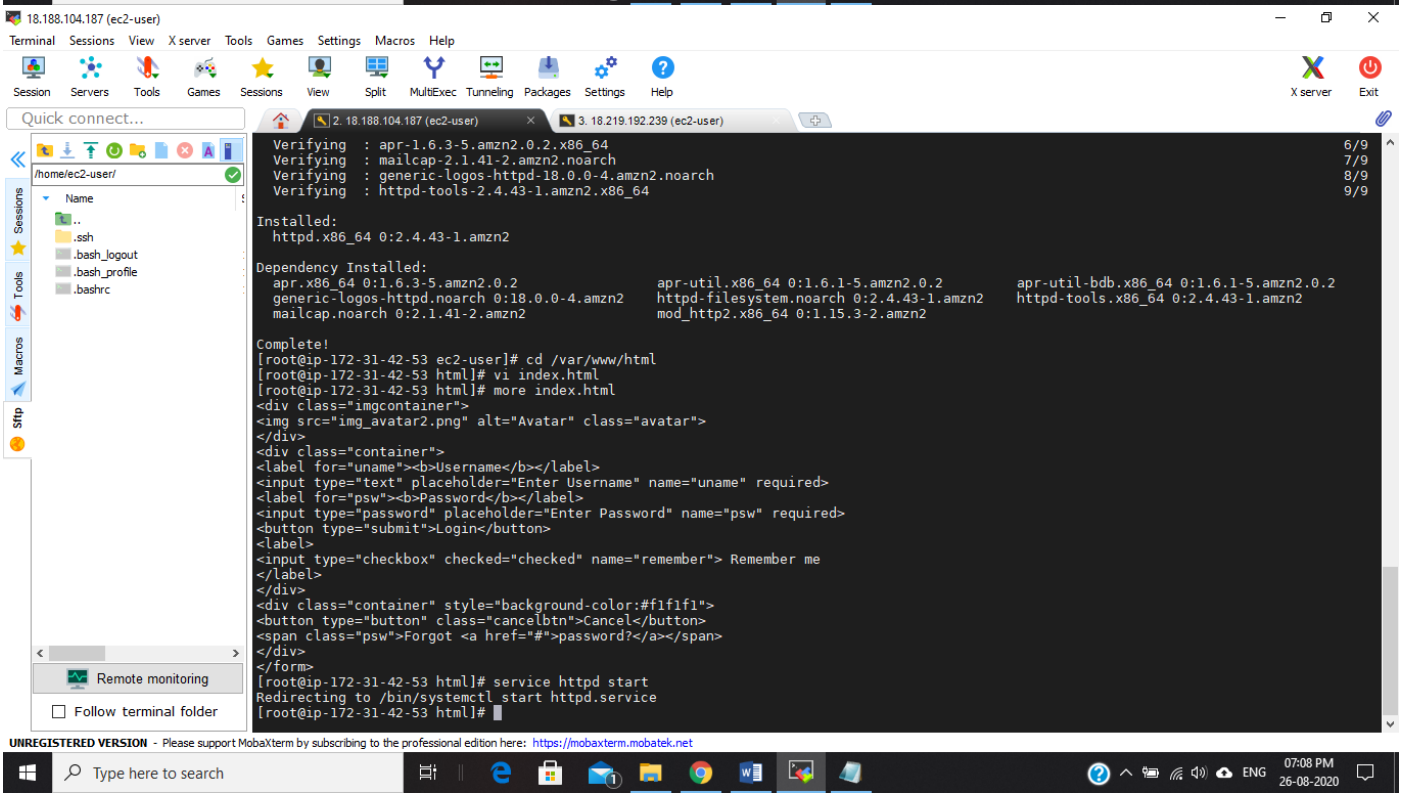
<img src="img_avatar2.png" alt="Avatar" class="avatar">

<label for="uname">Username</label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw">Password</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>

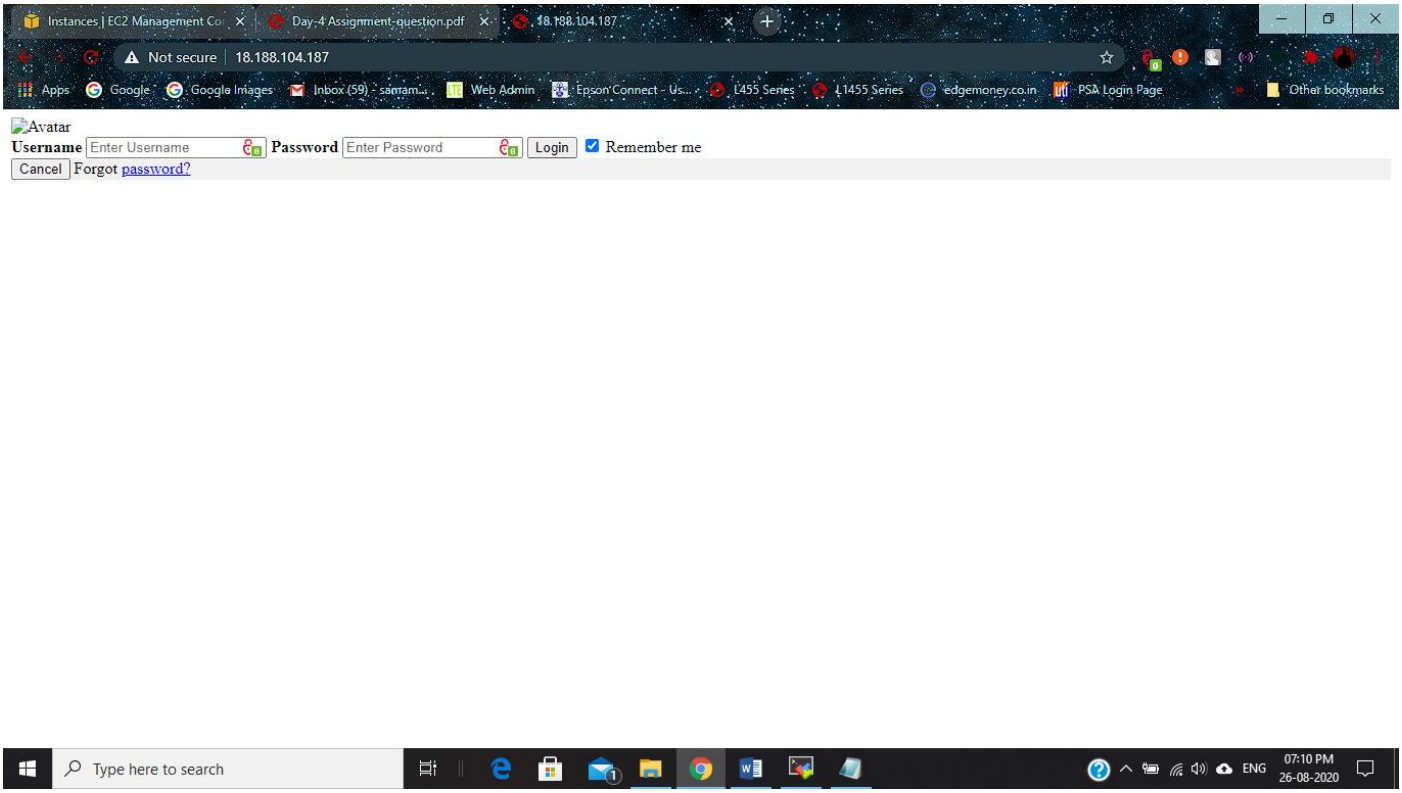
<button type="button" class="cancelbtn">Cancel</button>
Forgot password?

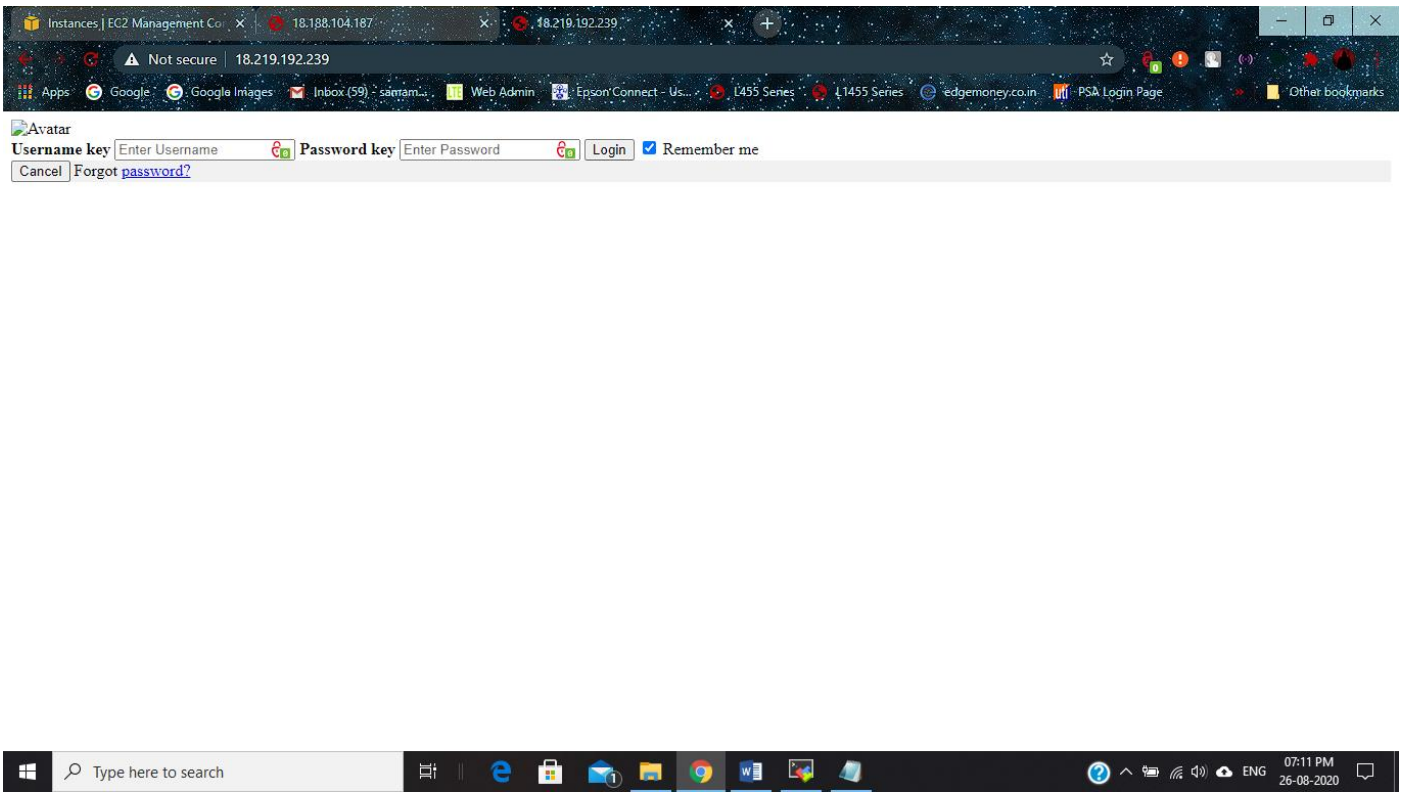
</form>
[root@ip-172-31-42-53 html]#
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
Type here to search
ENG 07:06 PM 26-08-2020

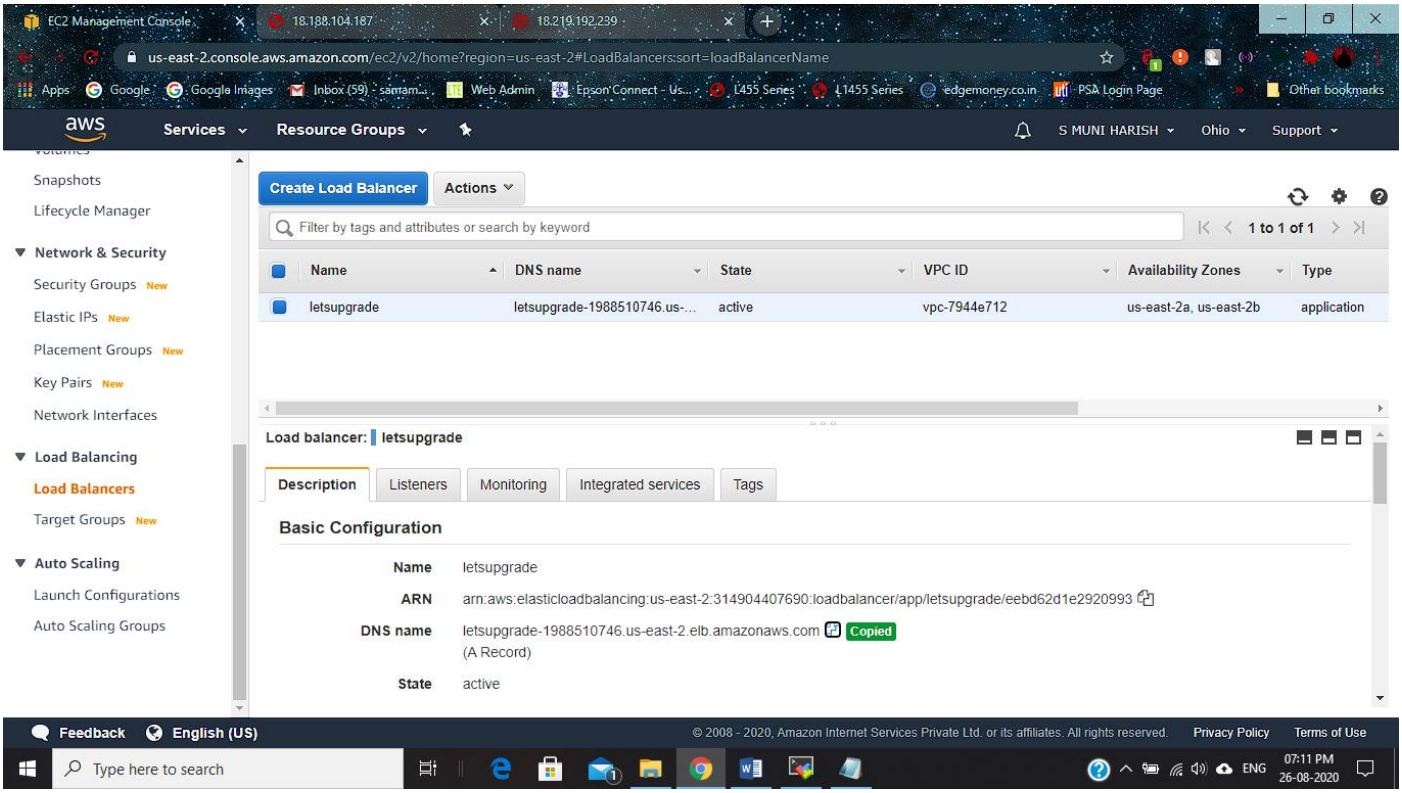




- Check if the application is deployed on both servers by copy pasting the public ip of the servers into the browser.


Instances | EC2 Management Co
Day-4 Assignment-question.pdf
18.188.104.187
Not secure
18.188.104.187
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
Avatar
Username
Enter Username
Password
Enter Password
Login
Remember me
Cancel
Forgot password?
Type here to search
ENG
07:10 PM
26-08-2020


Instances | EC2 Management Co
18.188.104.187
18.219.192.239
Not secure
18.219.192.239
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
Avatar
Username key
Enter Username
Password key
Enter Password
Login
Remember me
Cancel
Forgot password?
Type here to search
ENG
07:11 PM
26-08-2020


EC2 Management Console
18.188.104.187
18.219.192.239
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName
Apps
Google
Google Images
Inbox (59) - samram...
Web Admin
Epson Connect - Us...
L455 Series
L1455 Series
edgemoney.co.in
PSA Login Page
Other bookmarks
aws
Services
Resource Groups
S MUNI HARISH
Ohio
Support
Snapshots
Lifecycle Manager
Network & Security
Security Groups New
Elastic IPs New
Placement Groups New
Key Pairs New
Network Interfaces
Load Balancing
Load Balancers
Target Groups New
Auto Scaling
Launch Configurations
Auto Scaling Groups
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
letsupgrade
letsupgrade-1988510746.us-...
active
vpc-7944e712
us-east-2a, us-east-2b
application
Load balancer: letsupgrade
Description
Listeners
Monitoring
Integrated services
Tags
Basic Configuration
Name
letsupgrade
ARN
arn:aws:elasticloadbalancing:us-east-2:314904407690:loadbalancer/app/letsupgrade/eebd62d1e2920993
DNS name
letsupgrade-1988510746.us-east-2.elb.amazonaws.com
Copied
(A Record)
State
active
Feedback
English (US)
© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
Type here to search
ENG
07:11 PM
26-08-2020