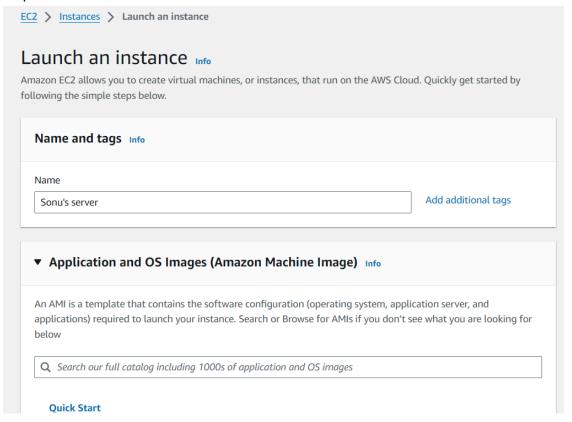
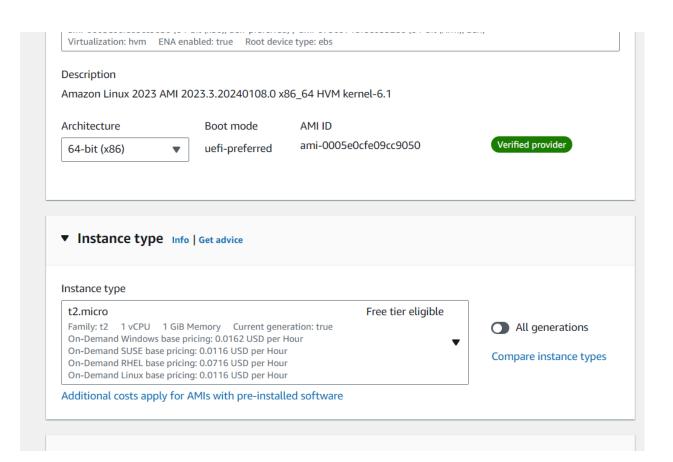
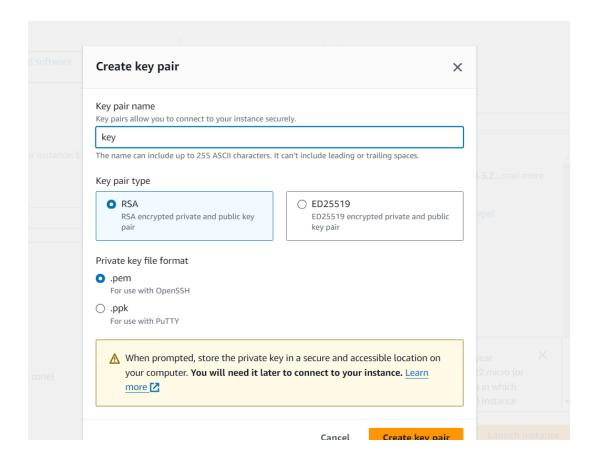
Lab 1 bootcamp - Sonu Subedi

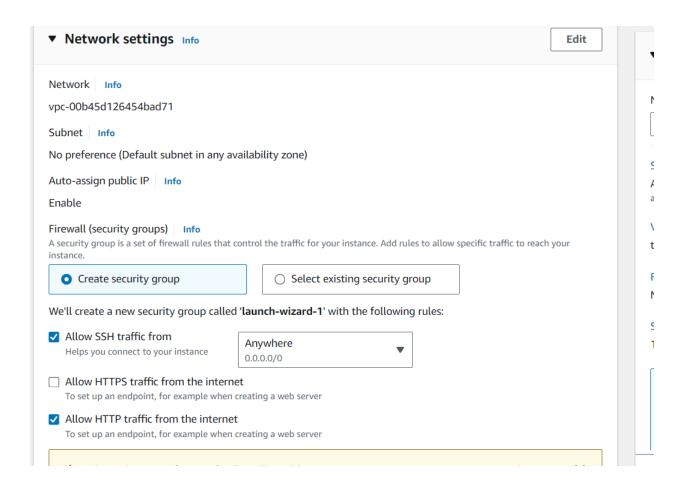
Steps involved:

Step 1:



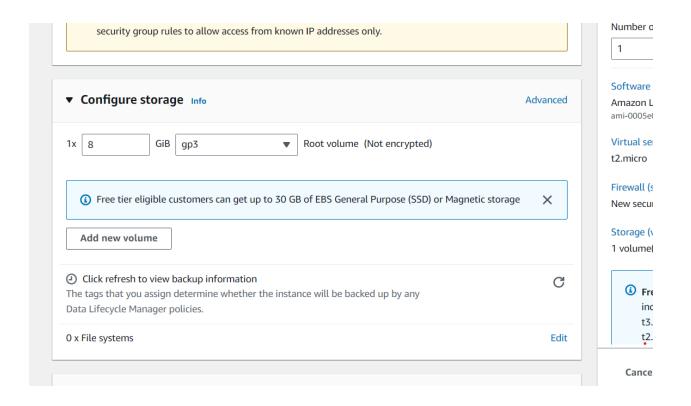




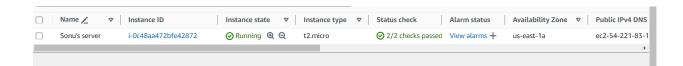


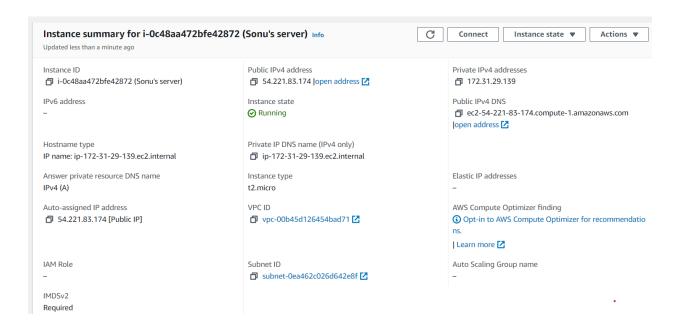
Tick on allow HTTP traffic

Configure storage:

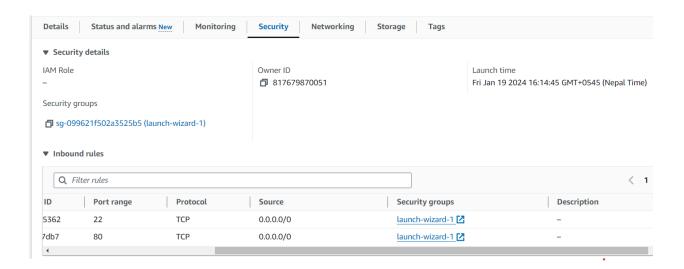




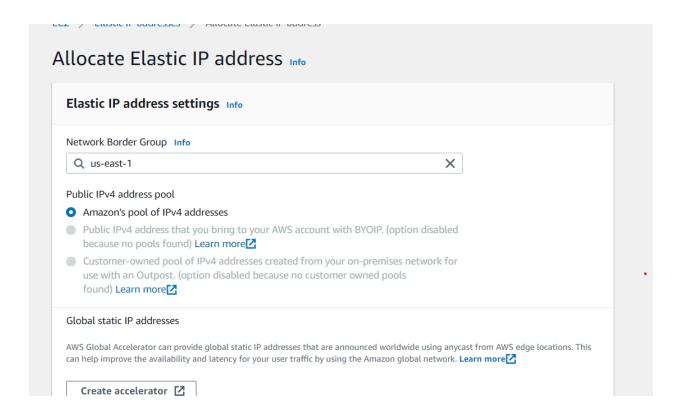


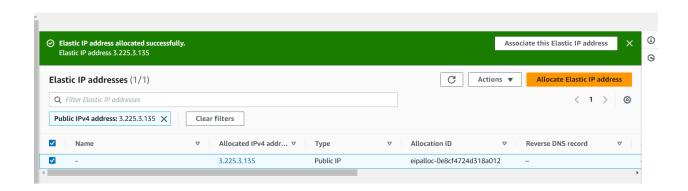


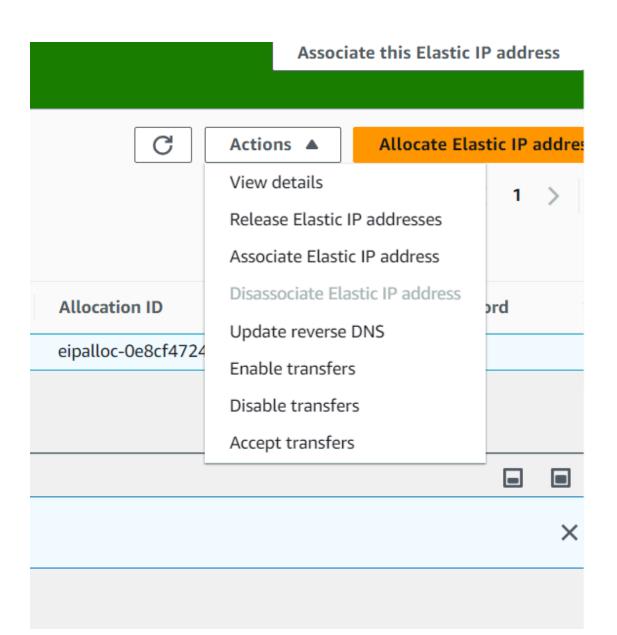
Instance summary

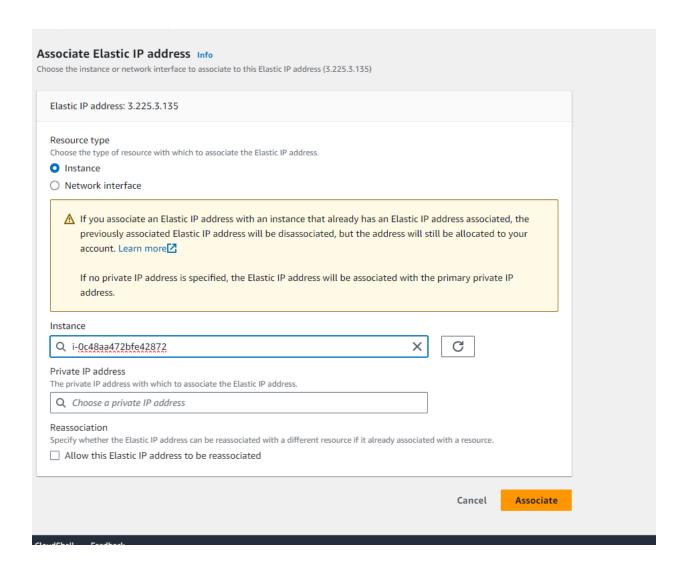


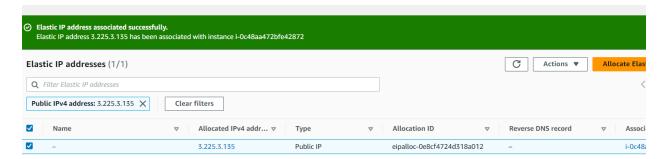
Security group ko name:: launch-wizard











```
Microsoft Windows [Version 10.0.22621.3007]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd Users
The system cannot find the path specified.

C:\Windows\System32> cd C:\Users\subed\Downloads

C:\Users\subed\Downloads> icacls key1.pem /inheritance:r /grant:r "%USERNAME%:R" processed file: key1.pem

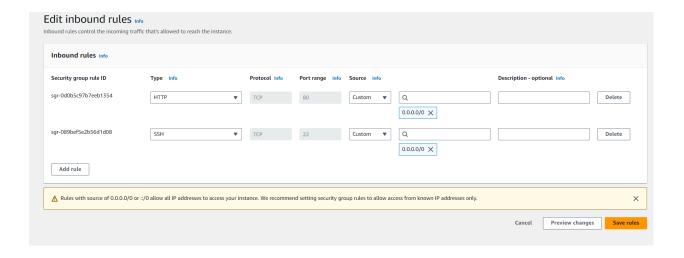
Successfully processed 1 files; Failed processing 0 files

C:\Users\subed\Downloads>

C:\Users\subed\Downloads>
```

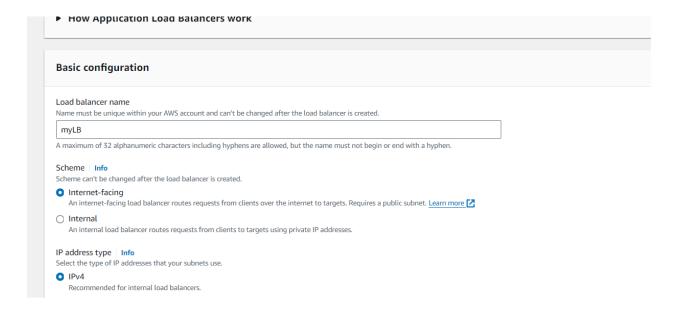
```
C:\Windows\System32> cd C:\Users\subed\Downloads
C:\Users\subed\Downloads> icacls key1.pem /inheritance:r /grant:r "%USERNAME%:R"
processed file: key1.pem
Successfully processed 1 files; Failed processing 0 files
C:\Users\subed\Downloads>
C:\Users\subed\Downloads>ssh -i "key1.pem" ec2-user@3.225.3.135
The authenticity of host '3.225.3.135 (3.225.3.135)' can't be established.
ED25519 key fingerprint is SHA256:vNRM9jkQxNCUVKDzSsQnoPkEF5nolqX4k4a/XjqVFbg.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '3.225.3.135' (ED25519) to the list of known hosts.
A newer release of "Amazon Linux" is available.
Version 2023.3.20240117:
Run "/usr/bin/dnf check-release-update" for full release and version update info
          #_
####_
                             Amazon Linux 2023
         \_####\
             \###|
               \#/
                             https://aws.amazon.com/linux/amazon-linux-2023
                 \**/ ____
V~' '->
[ec2-user@ip-172-31-29-139 ~]$
```

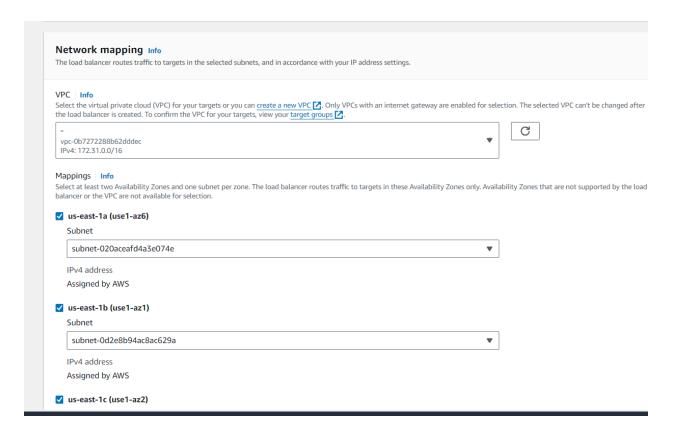
Microsoft Windows [Version 10.0.22621.3007] (c) Microsoft Corporation. All rights reserved.
C:\Windows\System32>cd Users The system cannot find the path specified.
C:\Windows\System32> cd C:\Users\subed\Downloads
C:\Users\subed\Downloads> icacls key1.pem /inheritance:r /grant:r "%USERNAME%:R" processed file: key1.pem Successfully processed 1 files; Failed processing 0 files
C:\Users\subed\Downloads>
C:\Users\subed\Downloads>ssh -i "key1.pem" ec2-user@3.225.3.135 The authenticity of host '3.225.3.135 (3.225.3.135)' can't be established. ED25519 key fingerprint is SHA256:vNRM9jkQxNCUVKDzSsQnoPkEF5nolqX4k4a/XjqVFbg. This key is not known by any other names Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '3.225.3.135' (ED25519) to the list of known hosts.
A newer release of "Amazon Linux" is available. Version 2023.3.20240117:
Run "/usr/bin/dnf check-release-update" for full release and version update info
~_ ####_ Amazon Linux 2023 ~~ _#####\ ~~ \###
~~ \#/ https://aws.amazon.com/linux/amazon-linux-2023 ~~ V~''-> ~~ / ~~/ _/ _/ _/m/'
[ec2-user@ip-172-31-29-139 ~]\$

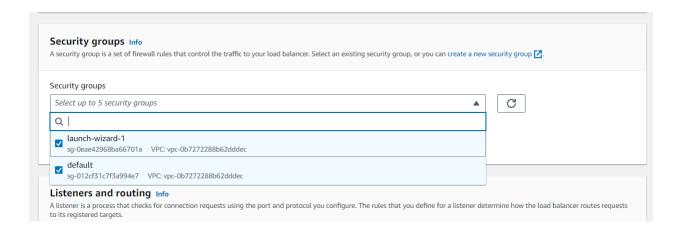


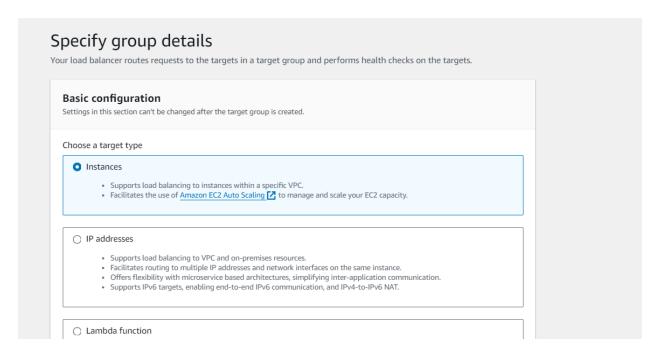
Hello from ip-172-31-25-247.ec2.internal

Application Load Balancer









- · Offers the flexibility for a Network Load Balancer to accept and route TCP requests within a specific VPC.
- · Facilitates using static IP addresses and PrivateLink with an Application Load Balancer.

Target group name

myTG

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol: Port

Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation



IP address type

Only targets with the indicated IP address type can be registered to this target group.

O IPv4

Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.

○ IPv6

Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more

VPC



Only targets with the indicated IP address type can be registered to this target group.

IPv4

Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.

○ IPv6

Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more

VPC

Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.



Protocol version

O HTTP1

Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.

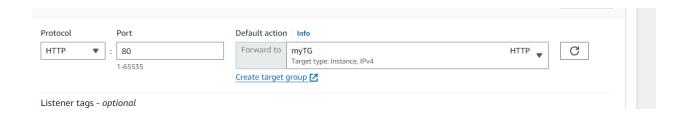
○ HTTP2

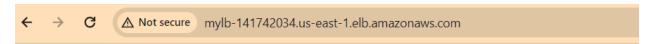
Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

gRPC

Send requests to targets using gRPC. Supported when the request protocol is gRPC.

Ports for the selected instances Ports for routing traffic to the selected instances. 80 1-65535 (separate multiple ports with commas) Include as pending below





Hello from ip-172-31-25-247.ec2.internal

Autoscaling

Stress test

