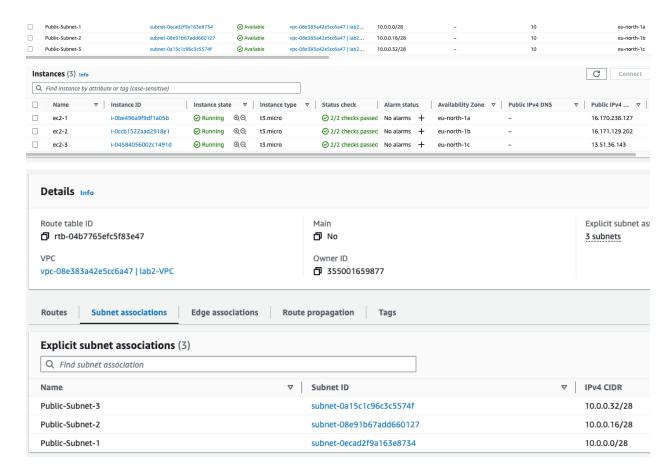
Seif Eldin Mohamed Aboelhassan Mohamed Hendawy Lab 3

1-create 3 public ec2 machines



2- install httpd in all of them

```
[cloudshell-user@ip-10-6-68-170 ~]$ vim DO_ITI.pem
[cloudshell-user@ip-10-6-68-170 ~]$ ssh -i "DO_ITI.pem" ec2-user@16.170.238.127
ssh: connect to host 16.170.238.127 port 22: Connection timed out
[cloudshell-user@ip-10-6-68-170 ~]$ ssh -i "DO_ITI.pem" ec2-user@16.170.238.127
The authenticity of host '16.170.238.127 (16.170.238.127)' can't be established.
ECDSA key fingerprint is SHA256:DQb2hu1JHocKD/7LBV1NpkciHYbhcqncNgcMiFM+F/c.
ECDSA key fingerprint is MDS:71:48:04:aa:6a:81:e8:5d:8a:16:4a:3f:84:59:7a:6f.
Are you sure you want to continue connecting (yes/no)? yesd
Warning: Permanently added '16.170.238.127' (ECDSA) to the list of known hosts.
                WARNING: UNPROTECTED PRIVATE KEY FILE!
WARNING: UNPROTECTED PRIVATE KEY FILE!
#_
####_
                                  Amazon Linux 2023
               \###|
\#/___
V~' '->
                                https://aws.amazon.com/linux/amazon-linux-2023
             /m/'
Last login: Thu Sep 7 10:36:08 2023 from 156.204.37.143 [ec2-user@ip-10-0-0-4 ~]$ sudo yum install httpd -y Amazon Linux 2023 repository
Amazon Linux 2023 Kernel Livepatch repository
Dependencies resolved.
  Package
                                                                                                                                 Architecture
Installing:
                                                                                                                                 x86 64
Installing dependencies:
                                                                                                                                 x86_64
x86_64
  apr-util
  generic-logos-httpd
  httpd-core
httpd-filesystem
                                                                                                                                 x86 64
                                                                                                                                 noarch
                                                                                                                                 x86_64
x86_64
  libbrotli
Installing weak dependencies:
  apr-util-openssl
                                                                                                                                 x86_64
  mod lua
                                                                                                                                 x86_64
Transaction Summary
[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl enable httpd
```

```
[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl enable httpd

Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service + /usr/lib/systemd/system/httpd.service.

[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl start httpd

[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl status httpd

[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl systemd[1]: Started httpd.service - The Apache HTTP Server.

[ec2-user@ip-10-0-0-4 ~]$ sudo systemctl status httpd

[ec2-user@ip-10-0-0-4 ~]$ sudo systemct status httpd

[ec2-user@ip-10-0-0-1 sudo systemct status httpd

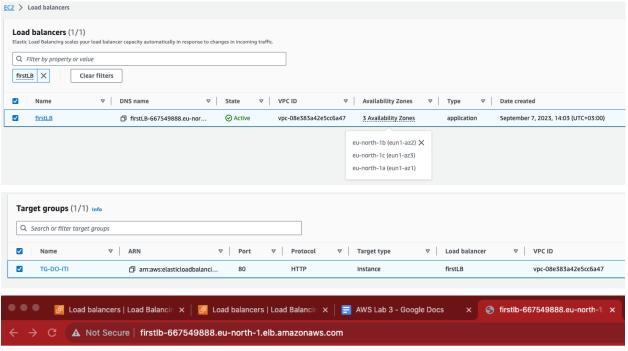
[ec2-user@ip-10-0-0-
```

3- make index file with uniq message

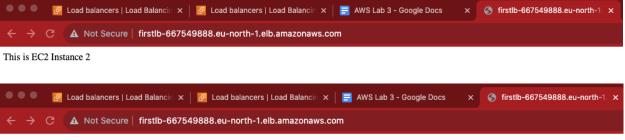
```
[ec2-user@ip-10-0-0-4 ~]$ echo "This is EC2 Instance 1" | sudo tee /var/www/html/index.html
This is EC2 Instance 1
[ec2-user@ip-10-0-0-4 ~]$ cat /var/www/html/index.html
This is EC2 Instance 1
```

Repeat number 2 and 3 for the other instances

4- create app load application and balance traffic on the 3 machines.



This is EC2 Instance 1



This is EC2 Instance 3