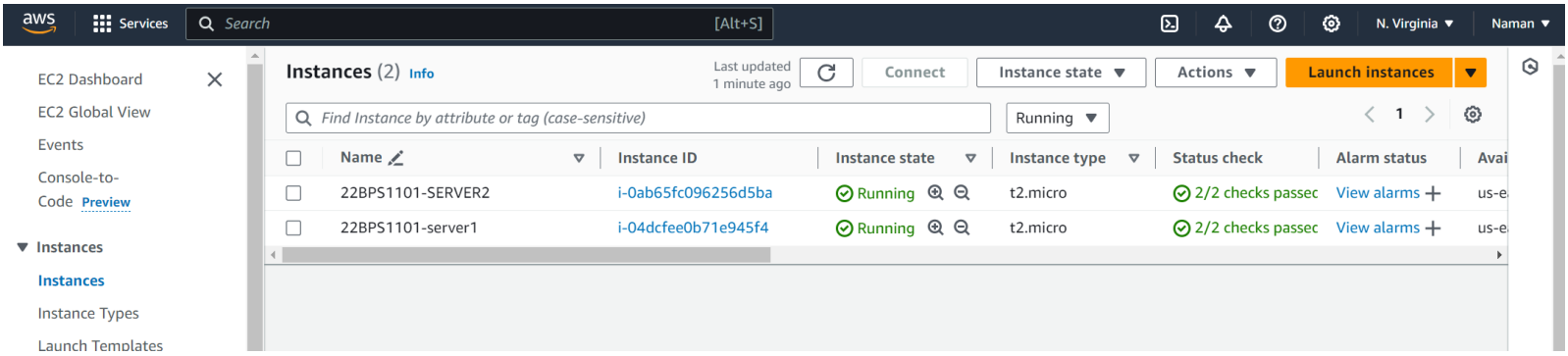
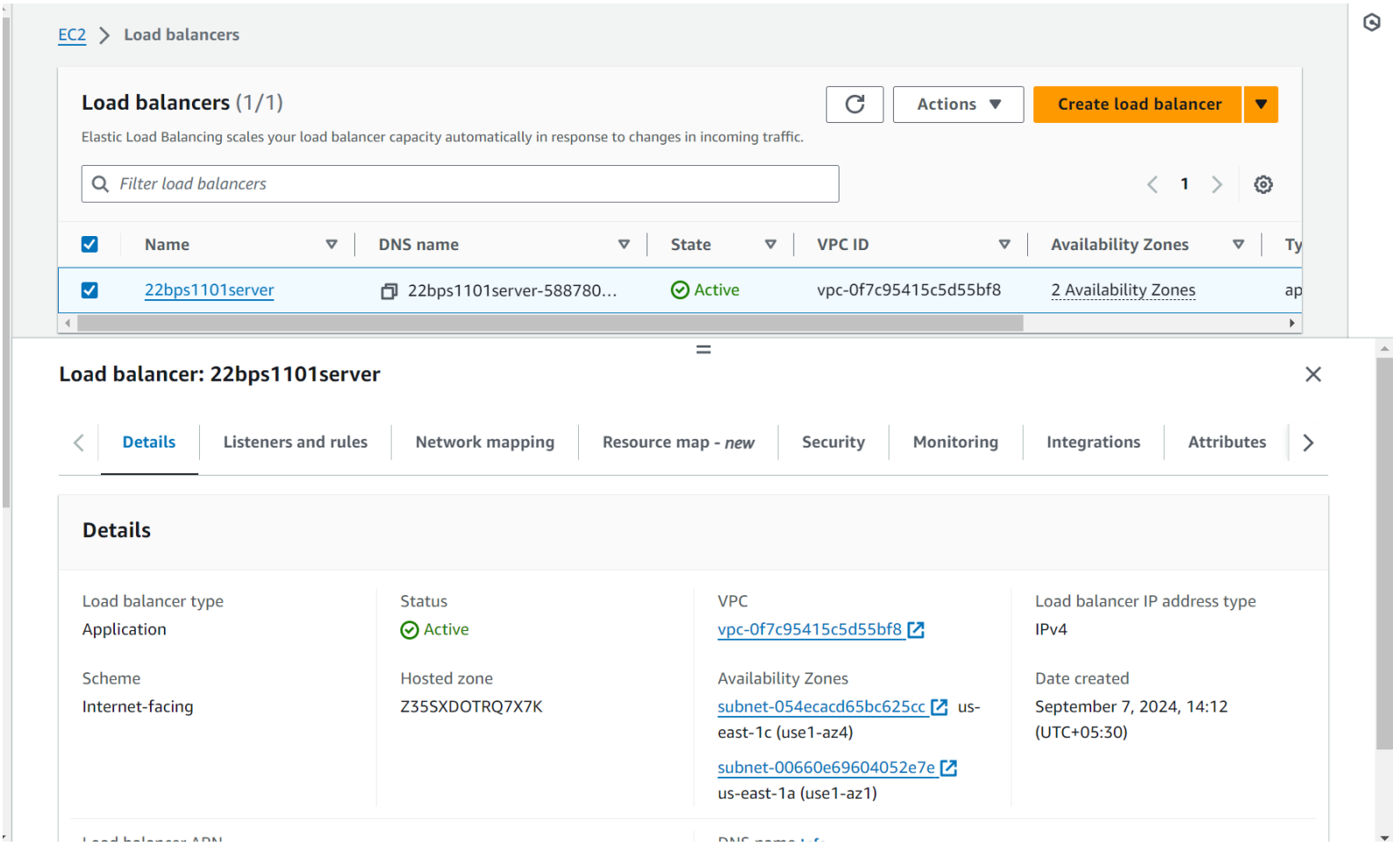
Naman Srivastava-22BPS1101

AWS Auto Scaling & Elastic Load Balancer

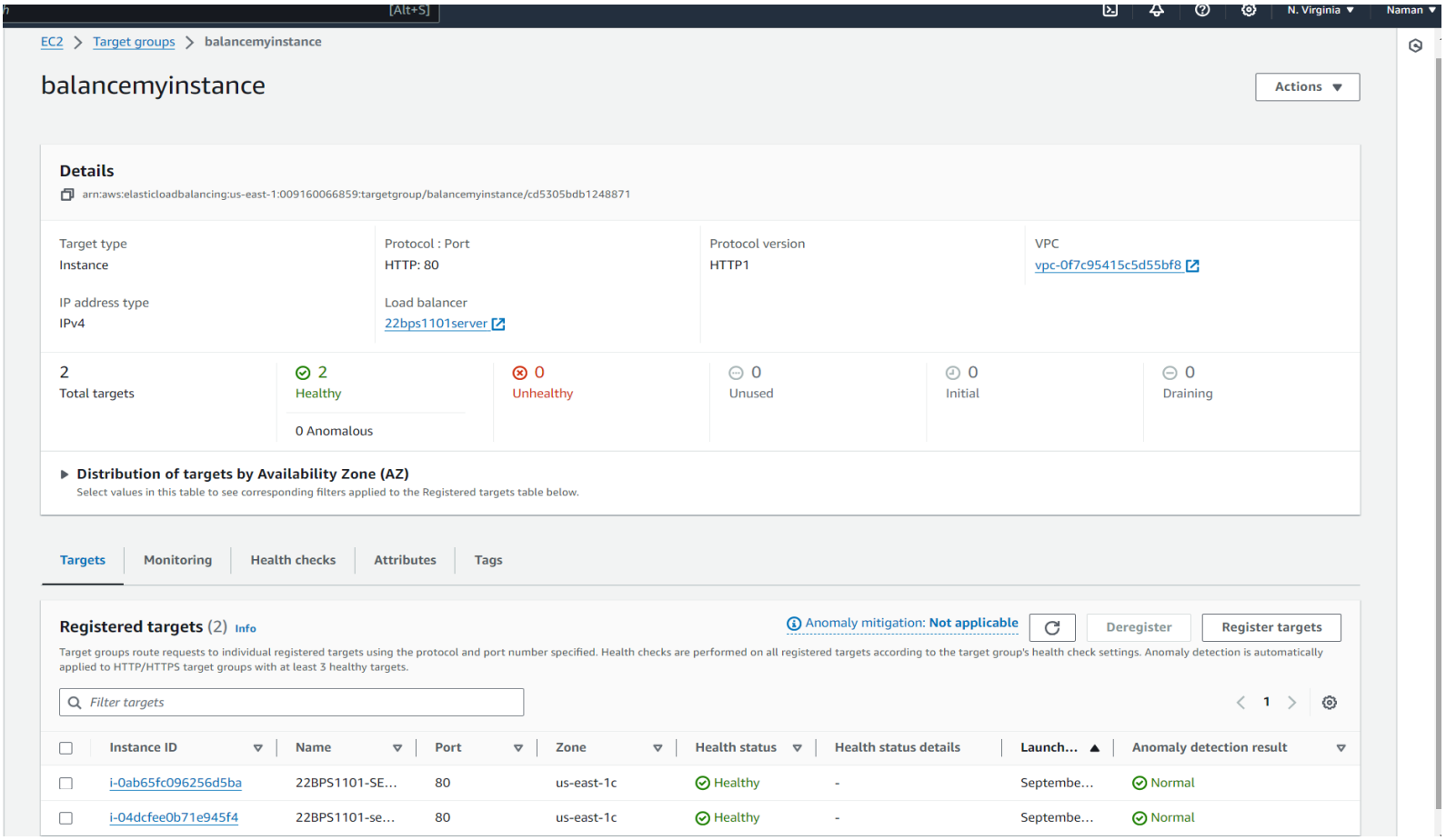
2 Instance creation



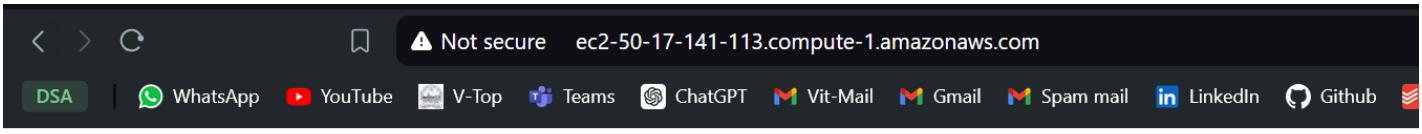
Load balancer



Target Group (add the instances u want to share the load in)

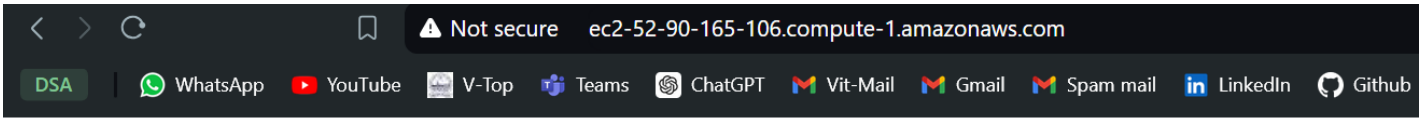


Instance 1



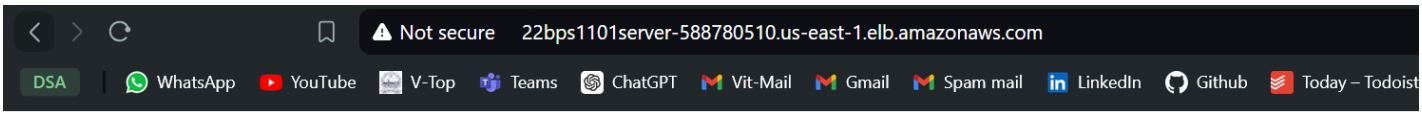
Hello World from 22BPS1101 and ip-172-31-21-2.ec2.internal

Instance 2

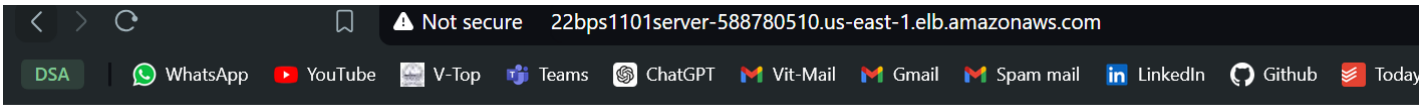


Hello World from 22BPS1101 and ip-172-31-29-10.ec2.internal

With load balancer (Shows both alternatively on refreshing)



Hello World from 22BPS1101 and ip-172-31-29-10.ec2.internal



Hello World from 22BPS1101 and ip-172-31-21-2.ec2.internal

Initialize the printed words with apache server (Similar for both server)

```
[ec2-user@ip-172-31-29-10 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-29-10 ~]$ sudo systemcti enable httpd
sudo: systemcti: command not found
[ec2-user@ip-172-31-29-10 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-29-10 ~]$ echo *<h1 >Hello World from $(hostname -f)</h1>*> /var/www/html/index.html
-bash: h1: No such file or directory
[ec2-user@ip-172-31-29-10 ~]$ echo *<h1 >Hello World from $(hostname -f)</h1>*>
-bash: syntax error near unexpected token `newline'
[ec2-user@ip-172-31-29-10 ~]$ echo *<h1 >Hello World from $(hostname -f)</h1>*
-bash: h1: No such file or directory
[ec2-user@ip-172-31-29-10 ~]$ echo "Hello world"
Hello world
[ec2-user@ip-172-31-29-10 ~]$ echo *<h1 >Hello World from $(hostname -f)</h1>*> /var/www/html/index.html
-bash: h1: No such file or directory
[ec2-user@ip-172-31-29-10 ~]$ echo "<h1>Hello World from $(hostname -f)</h1>" | sudo tee /var/www/html/index.html
<h1>Hello World from ip-172-31-29-10.ec2.internal</h1>
[ec2-user@ip-172-31-29-10 ~]$ ^C
[ec2-user@ip-172-31-29-10 ~]$ echo "<h1>Hello World from 22BPS1101 and$(hostname -f)</h1>" | sudo tee /var/www/html/index.html
<h1>Hello World from 22BPS1101 andip-172-31-29-10.ec2.internal</h1>
[ec2-user@ip-172-31-29-10 ~]$ echo "<h1>Hello World from 22BPS1101 and $(hostname -f)</h1>" | sudo tee /var/www/html/index.html
<h1>Hello World from 22BPS1101 and ip-172-31-29-10.ec2.internal</h1>
```

Create the 2 instance
Initialize apache server with –

sudo yum install httpd
sudo systemctl start httpd
sudo systemctl enable httpd
sudo systemcti enable httpd
echo "<h1>Hello World from $(hostname -f)</h1>" | sudo tee /var/www/html/index.html

Make load balancer and add both of those two instance in that within same region
Run the dns link and u see the load getting alternatively to both instance

AUTO SCALING

The 3rd instance without name is the automatically created instance from the tempelate