Lab Assignment – 03

Create an Application Load Balancer to distribute the load of 2 application webservers. In addition to this, add one more webserver to the existing Load Balancer.

Note:

Load Balancing automatically distributes incoming traffic load.

VPC works at Region level.

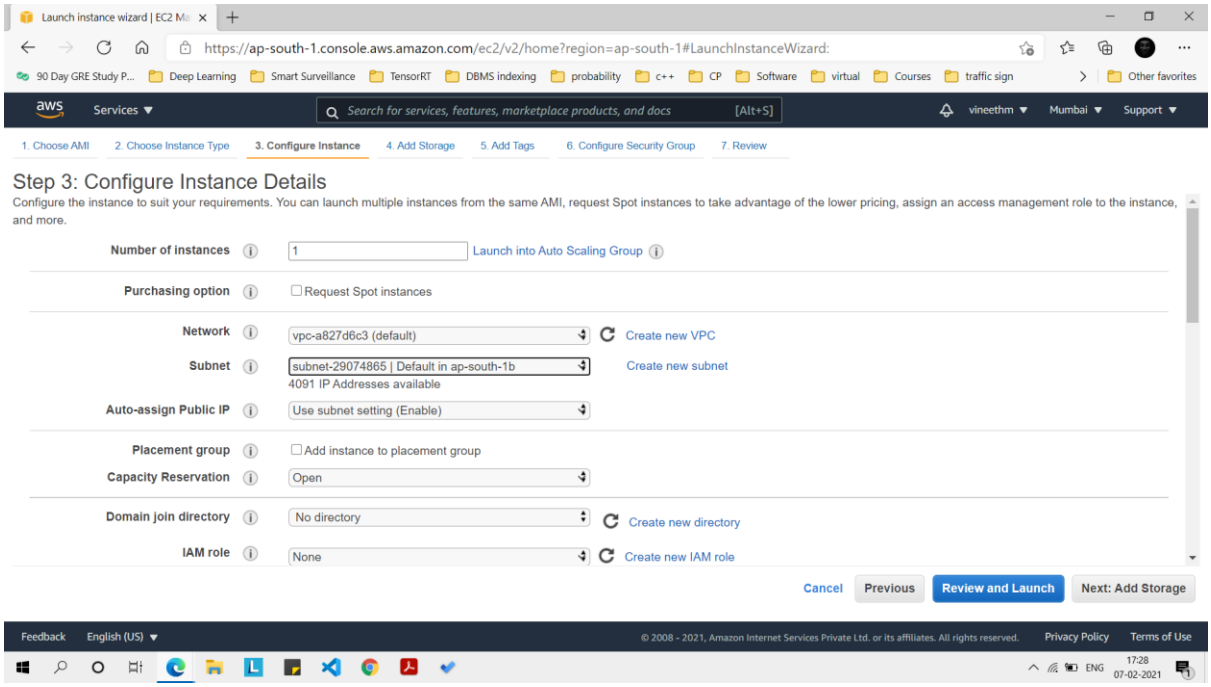
Subnet works at Availability Zone level.

Load Balancer works at Region level.

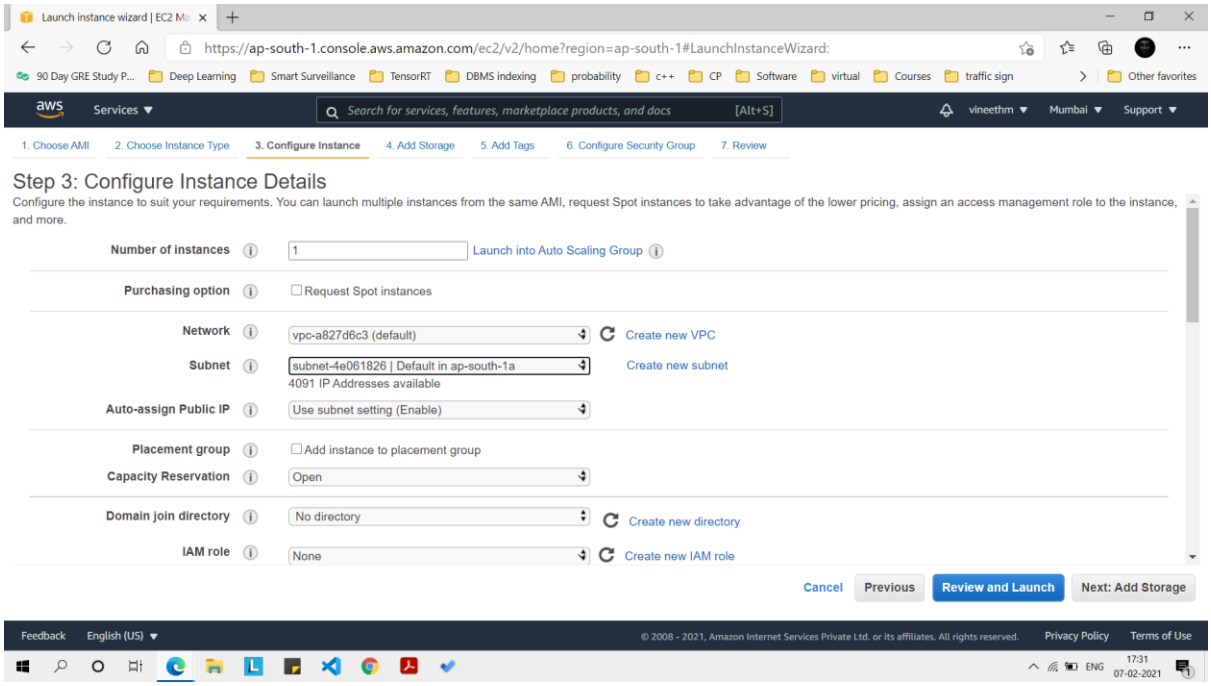
The target groups can be established at the availability zone level.

Task-1: Launch 2 AWS Window R2 base server in different availability zones.

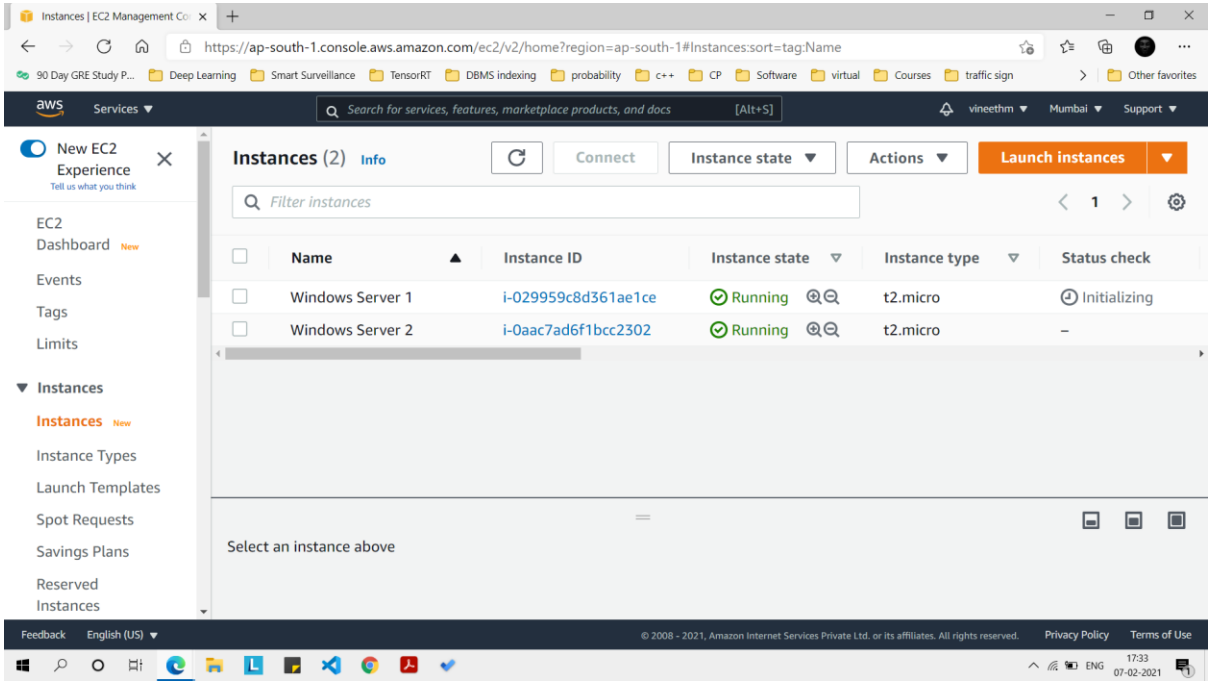
EC2 Windows Server 1 → ap-south-1b



EC2 Windows Server 2 → ap-south-1a

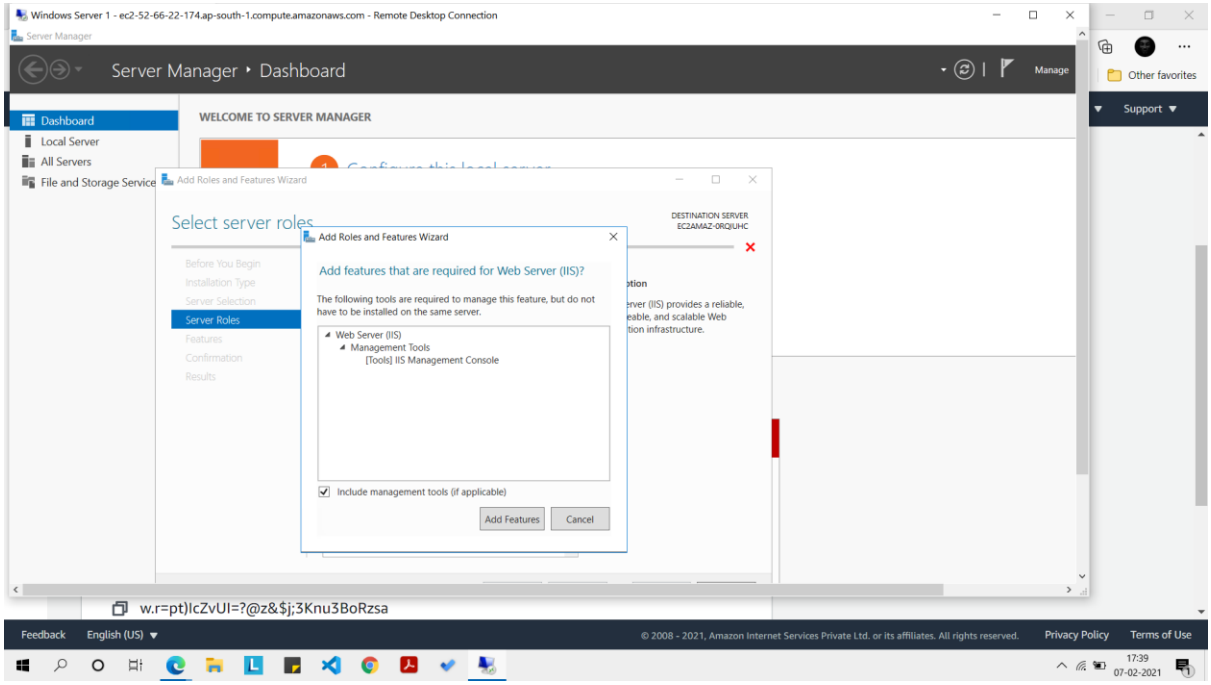


Task-2: Configure both the EC2 webservers.



Task-3: Create static website in the EC2 instances

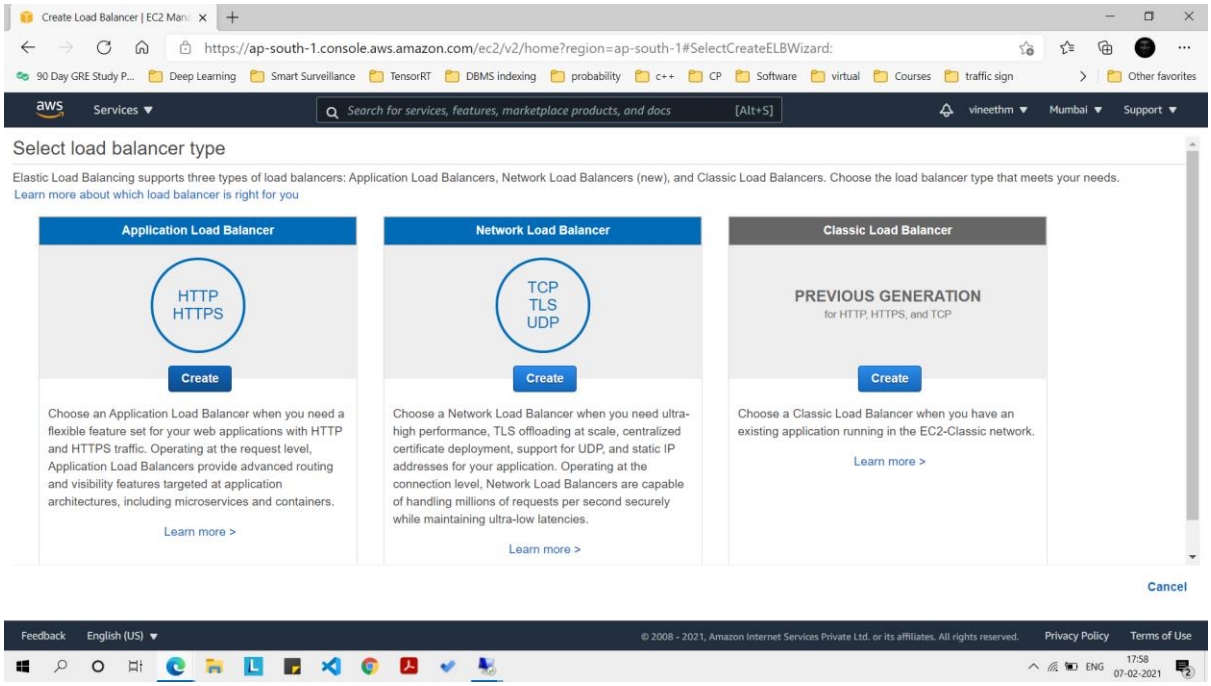
In the Server Manager, in the “add roles and features”, add the Web IIS Server.

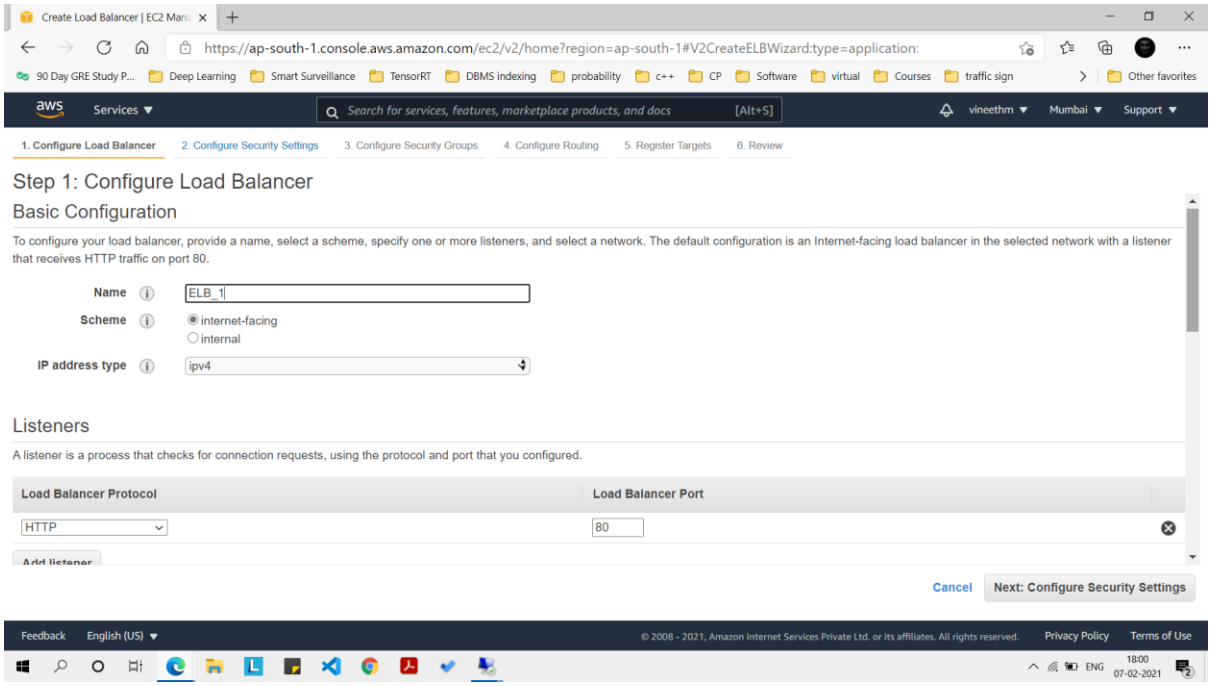


Code for the Static Website:

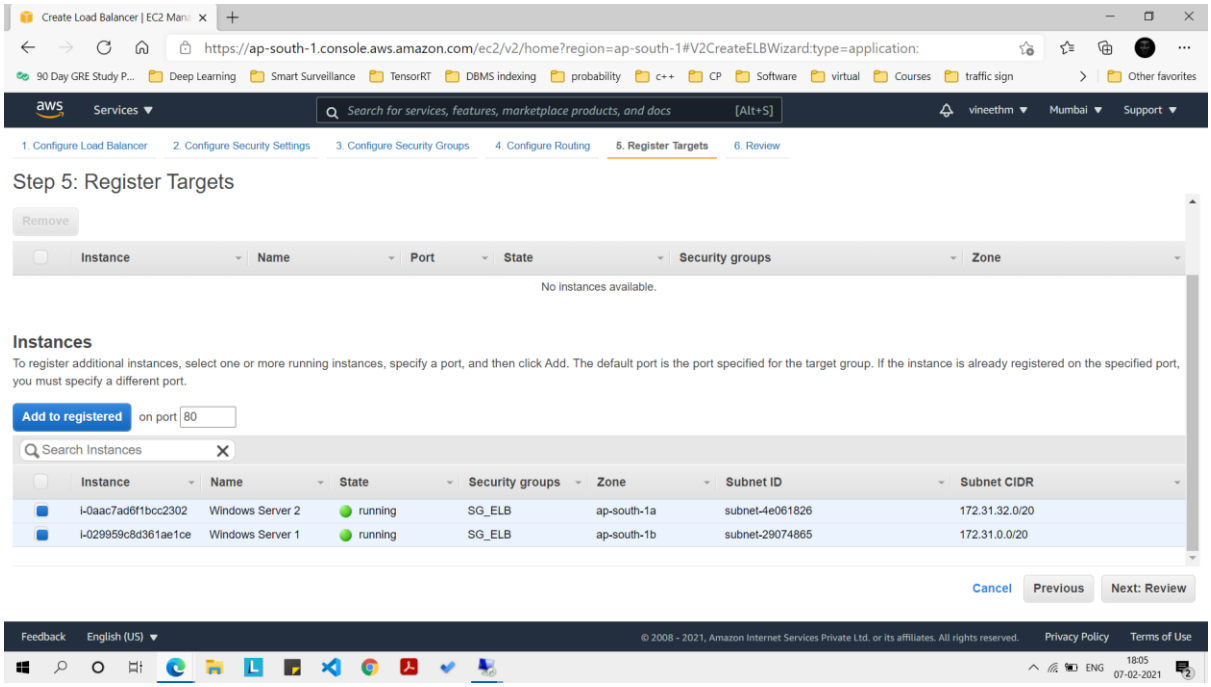
```
<!DOCTYPE html>
        <head>
                <title> Web Server 1 </title>
        </head>

        <body bgcolor = "yellow">
                <center><h1> Windows Web Server - 1 </h1></center>
                <center><h1> Region: ap-south-1b </h1></center>
        </body>
</html>
```

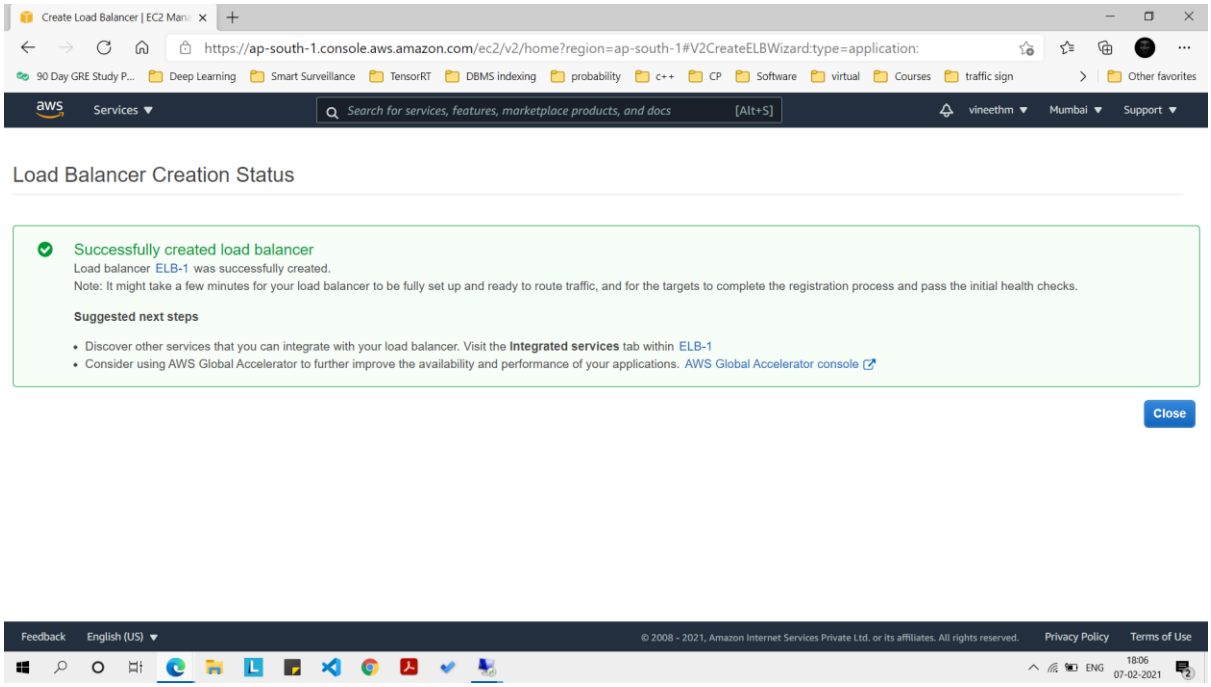
Task-4: Create Load Balancer and attach both the EC2 server to it.





Task-5: Register EC2 servers and set the target group …. Configure and review.





Task-6: Check the working of the Load Balancing.