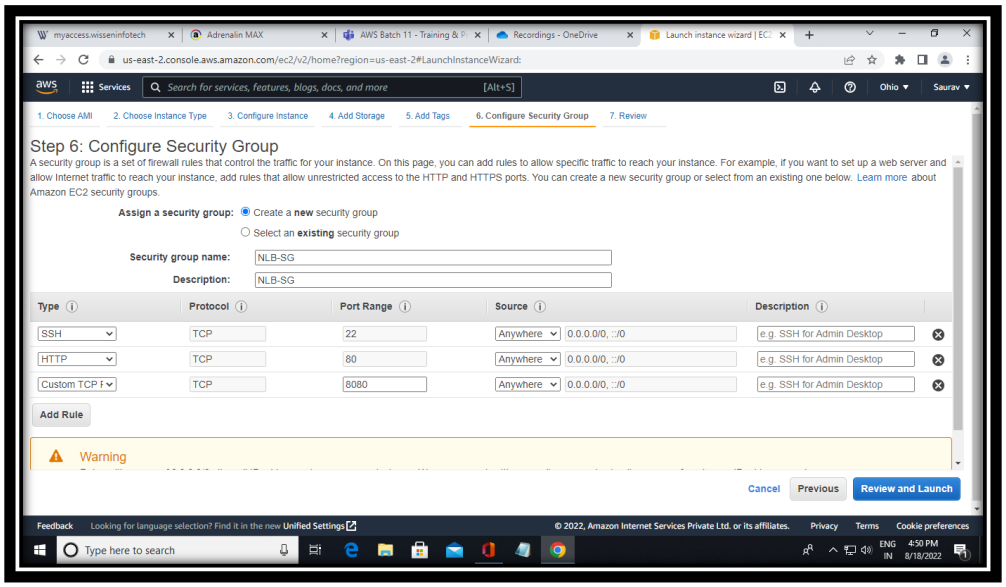
Network Load Balancer

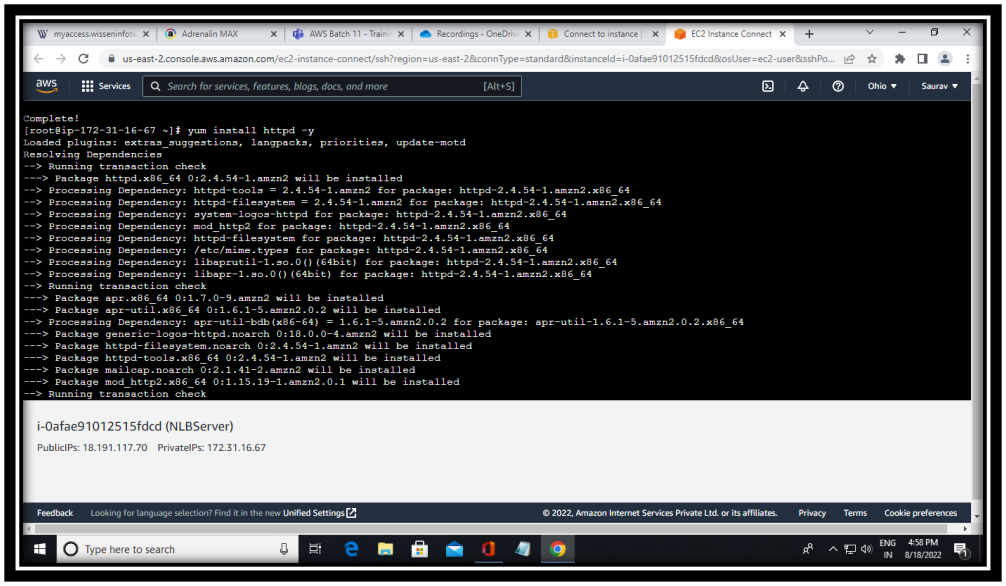
AWS Network Load Balancer (NLB) is an Amazon Web Services (AWS) tool that distributes end user traffic across multiple cloud resources to ensure low latency and high throughput for applications.

Steps to create Network Load Balancer:

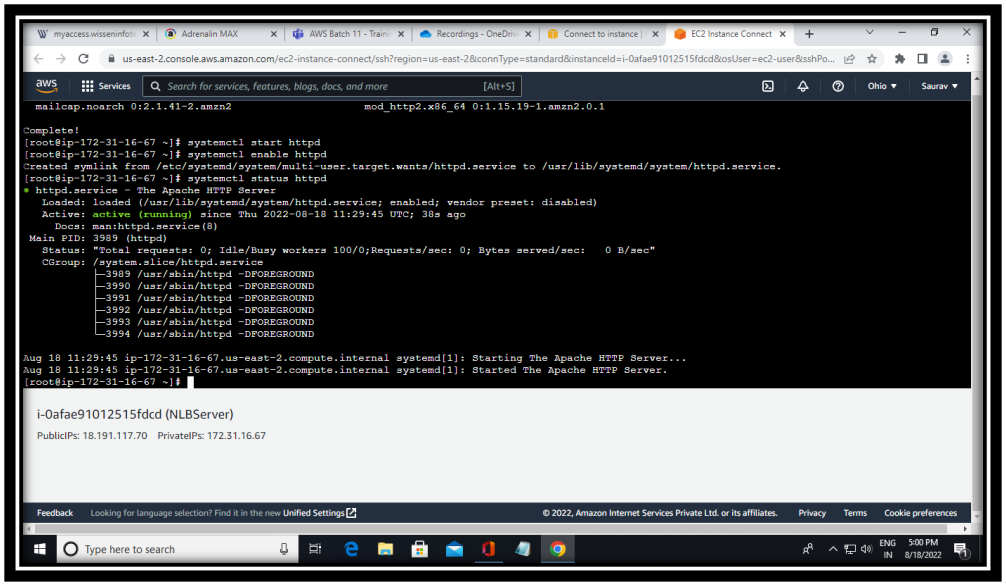
Create an instance with security group SSH 22, HTTP 80, Custom TCP Nginx 8080



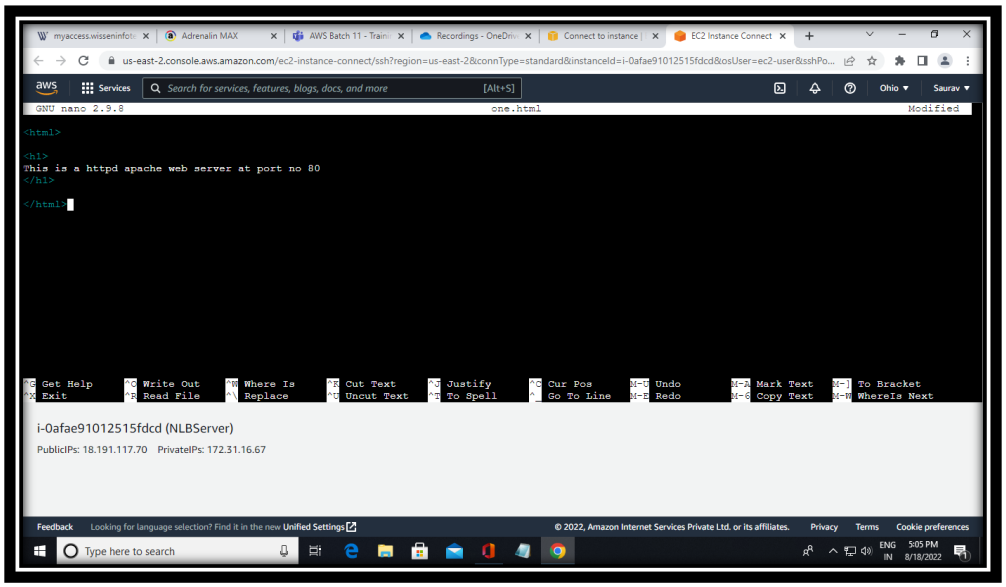
Open the instance and install httpd and start the httpd



The httpd is successfully running on the server.

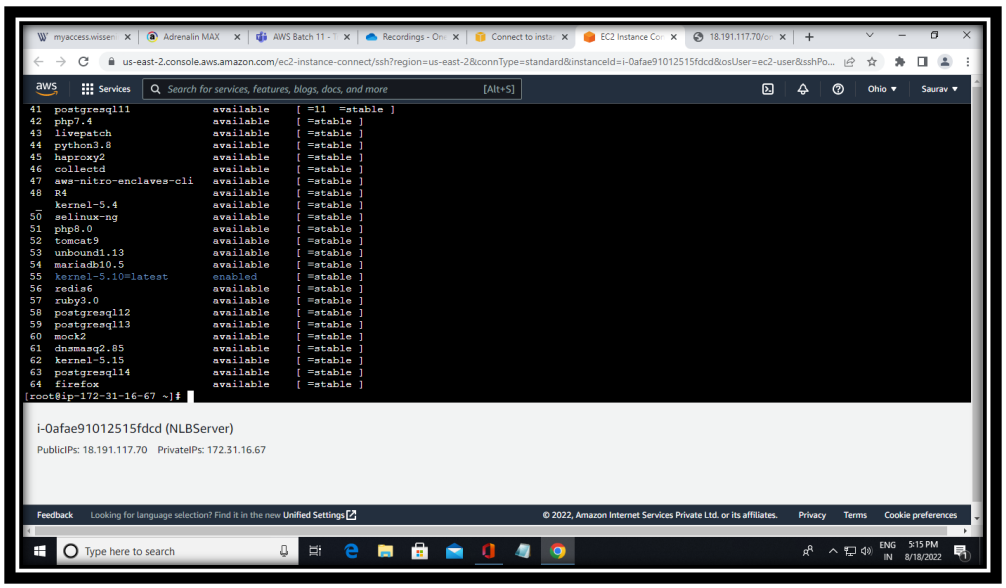


Create one html file in /var/www/html location



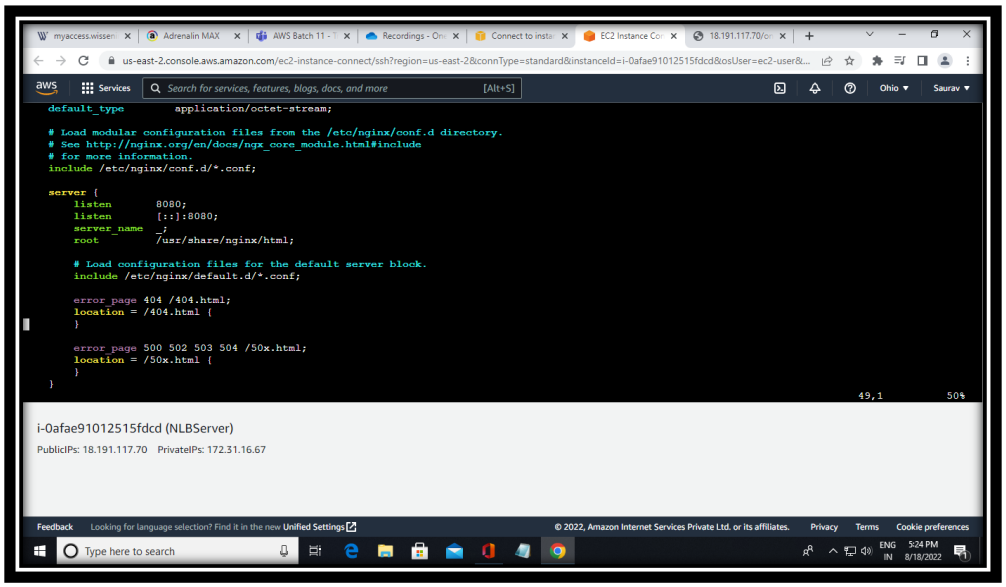
Now, install the nginx and change the default port no 80 to 8080.

The command to install the nginx: amazon-linux-extras install nginx1 –y

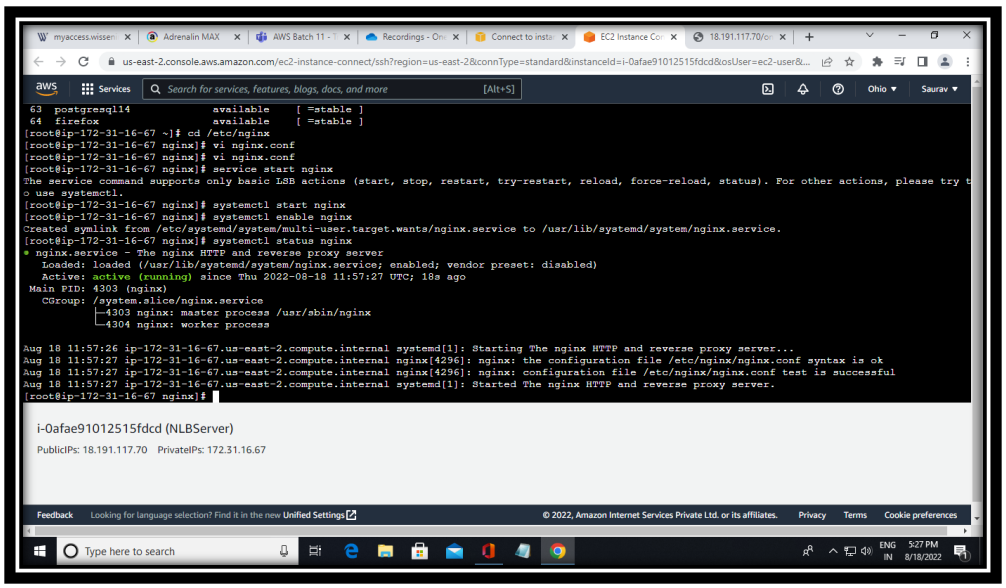


The command to change the port no: cd /etc/nginx

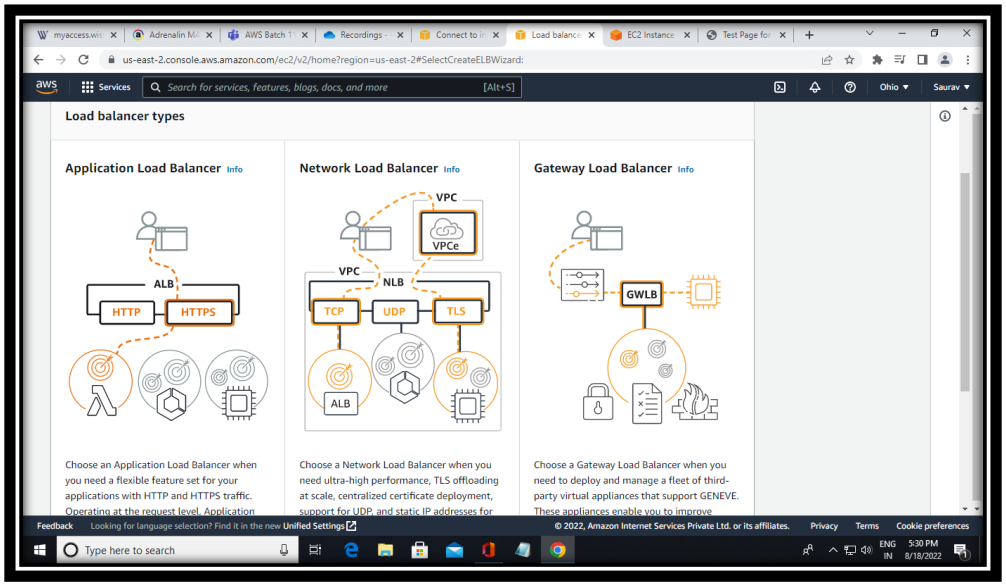
vi nginx.conf



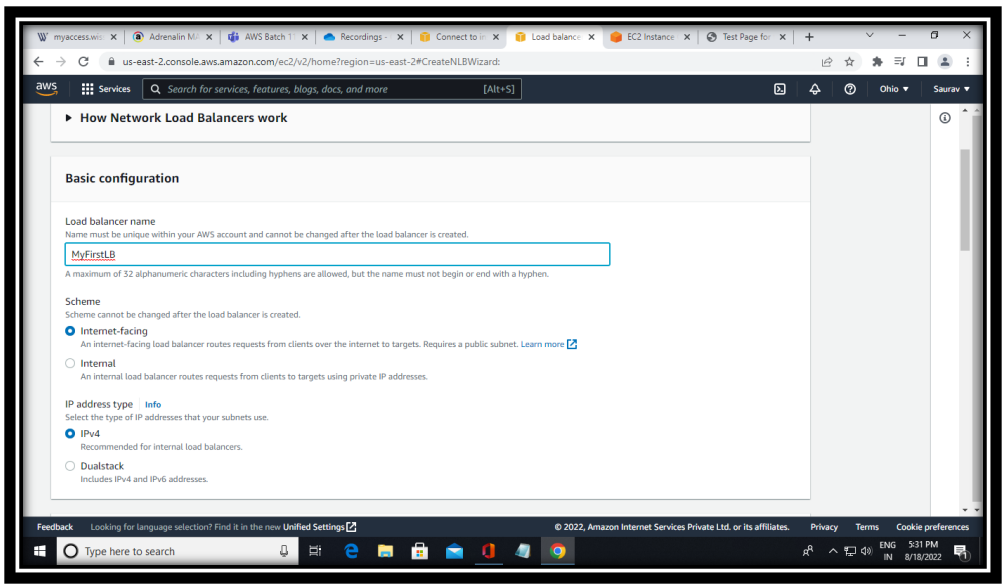
Now start the nginx service



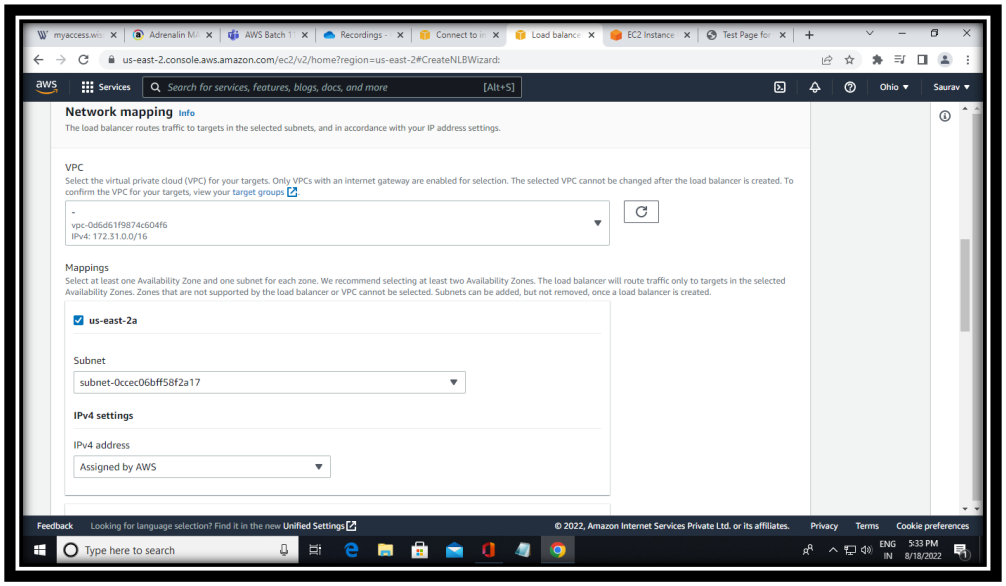
Now, create the LB and select the Network Load Balancer



Give the name of LB and select Internet-facing option from Scheme and IPv4 option from IP address type

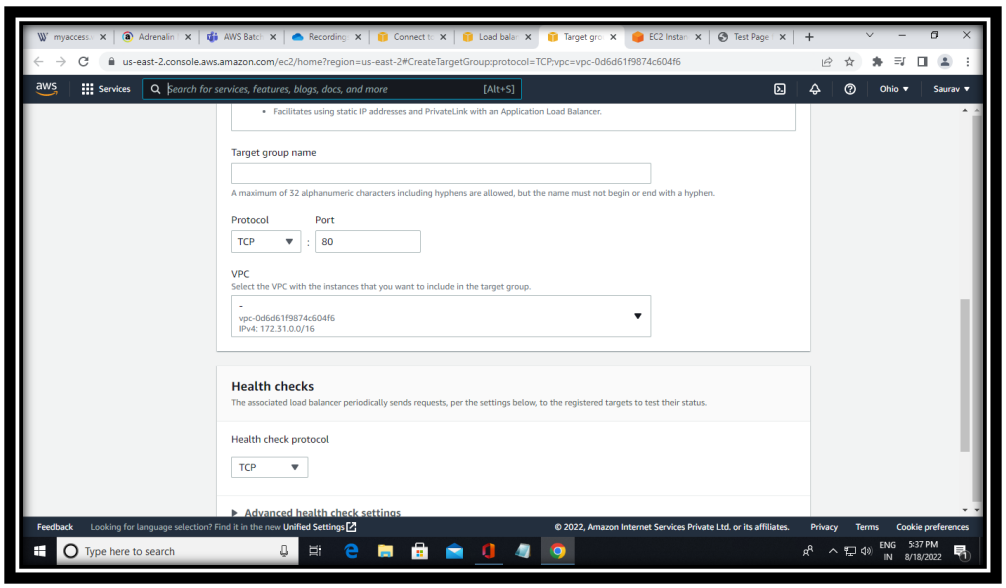


Select the all-mappings option from network mapping

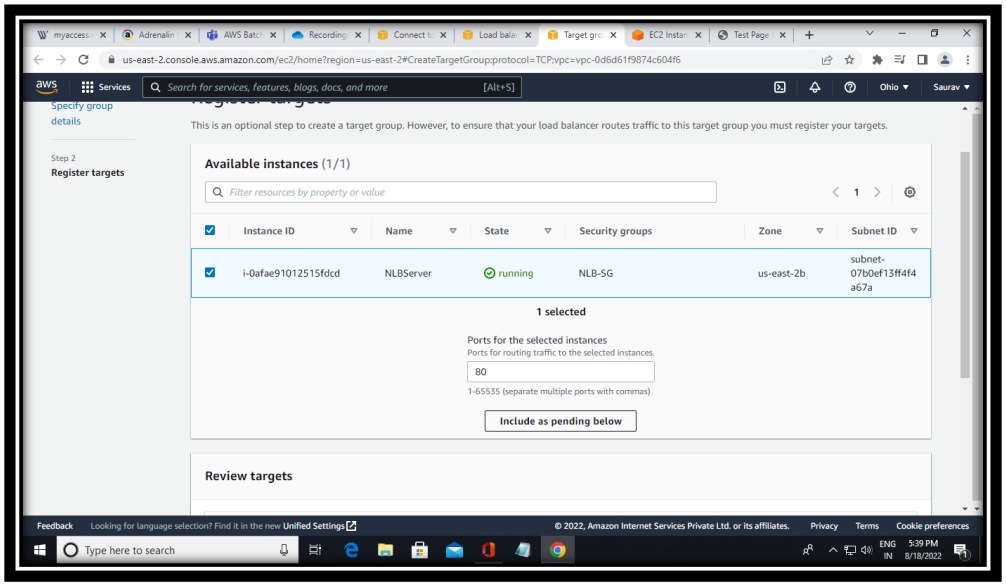


Now create the target group for httpd server

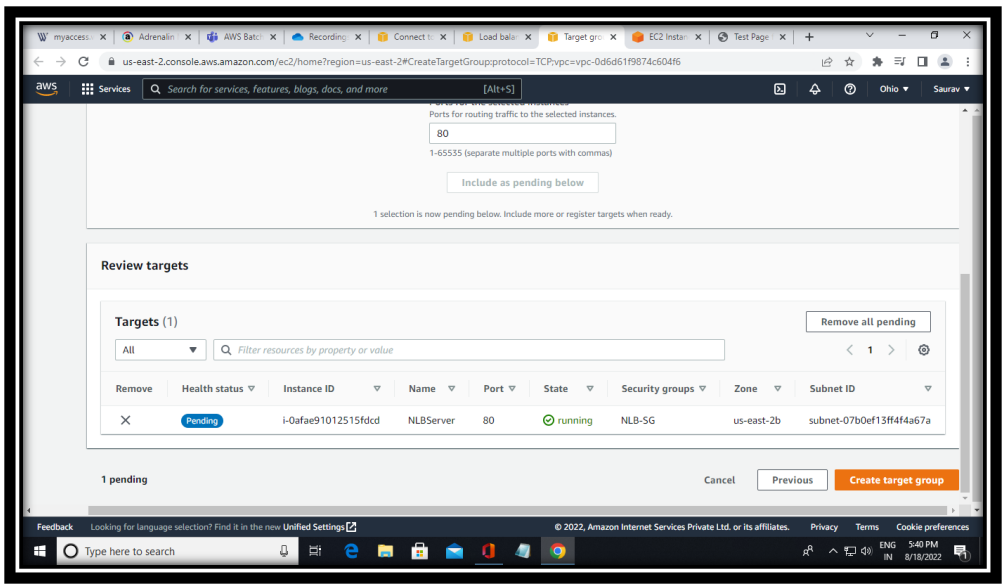
Give the name and Select TCP 80



Select the instance id and click the include as pending below button

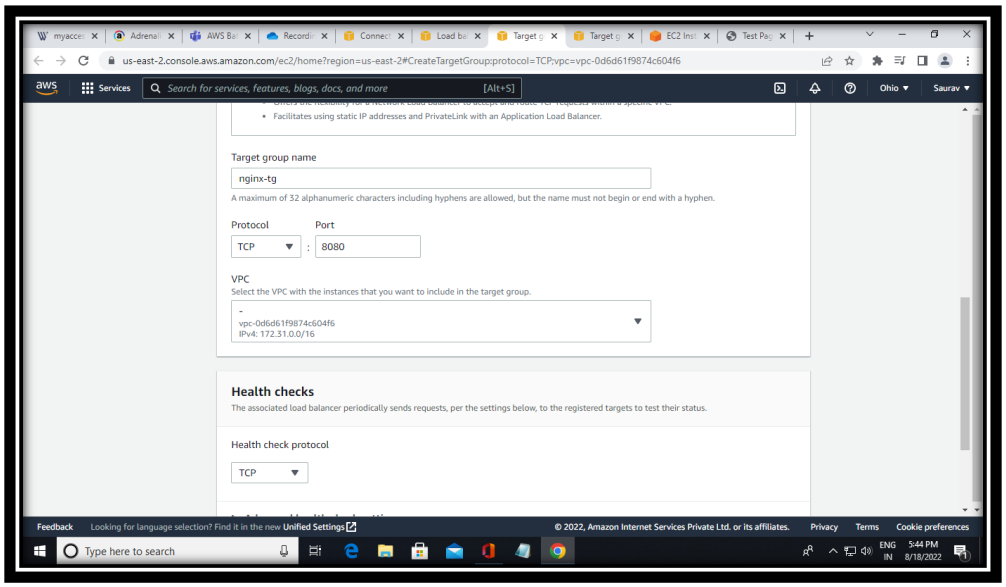


Now select the create target group button

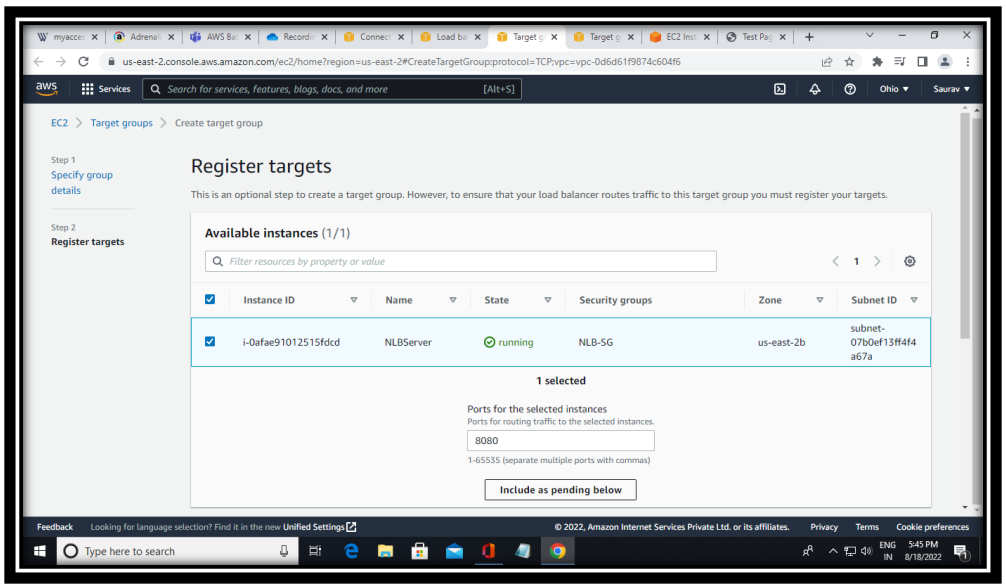


Now, create another target group for nginx server.

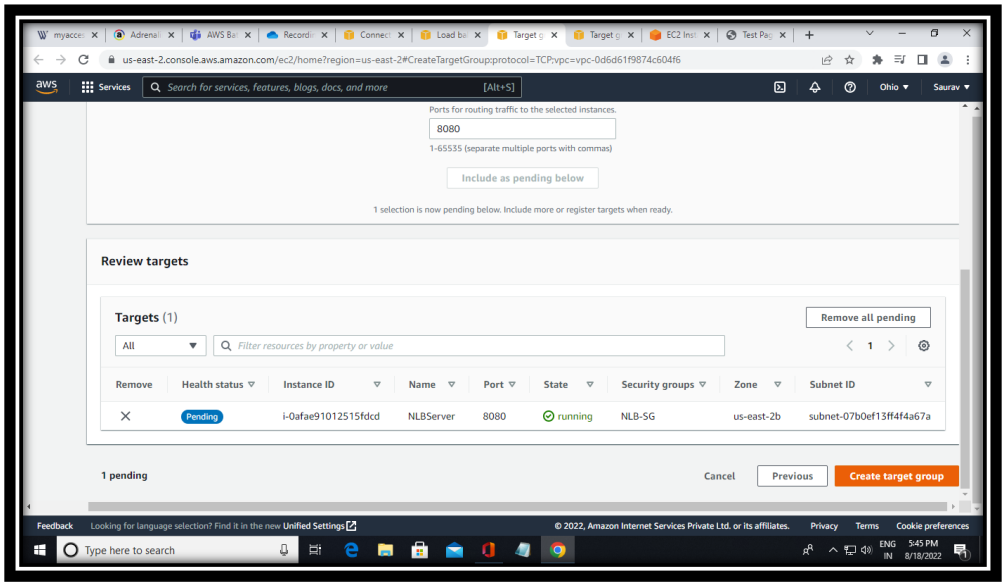
Give the name and set the TCP port to 8080



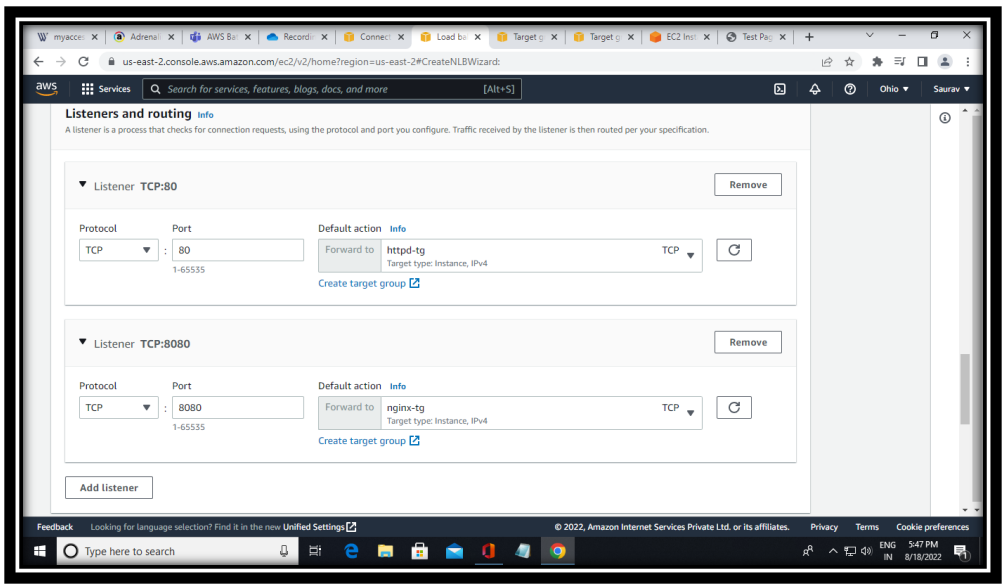
Select the instance id and click the include as pending below button



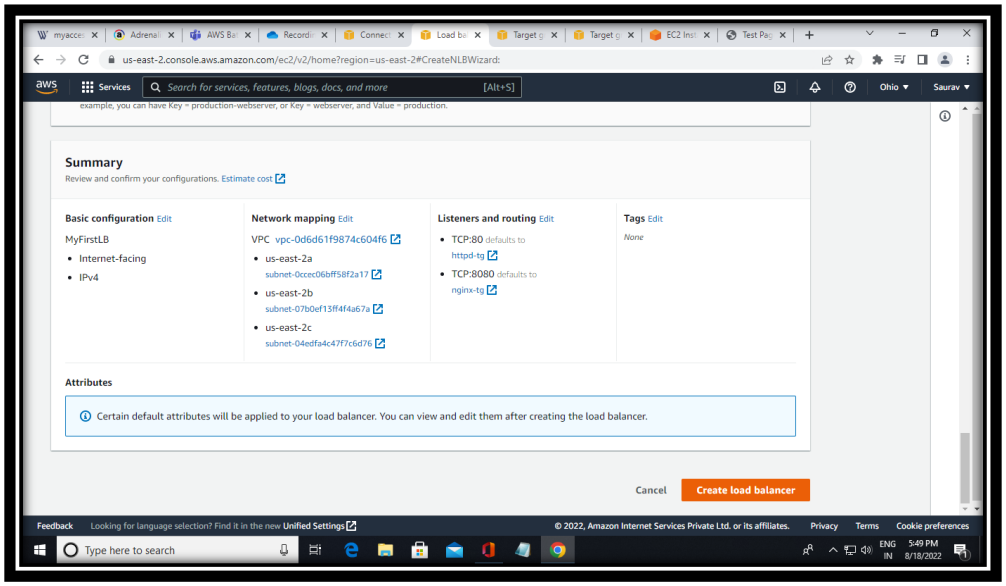
Now select the create target group button



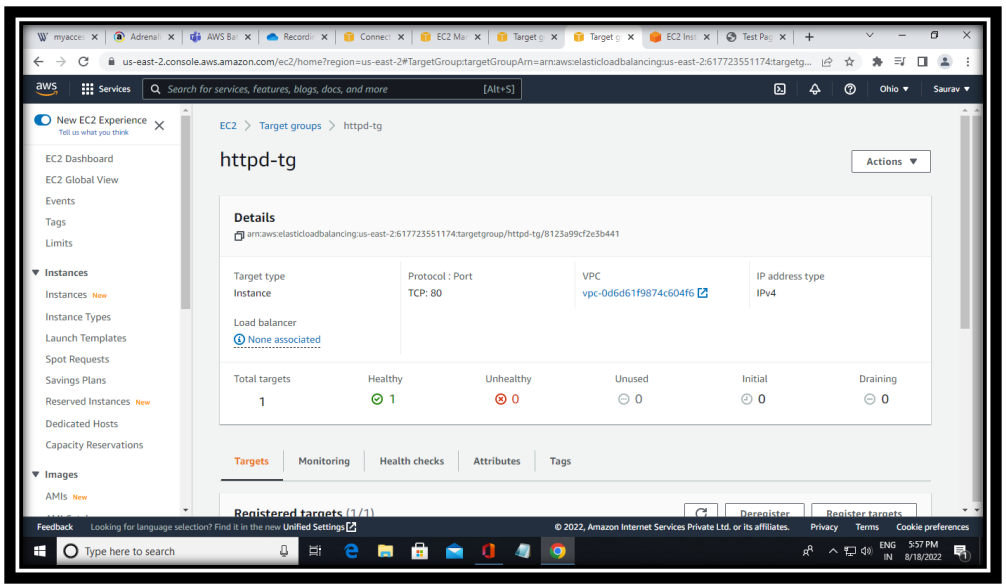
Now, come to the load balancer and add both target groups to the listener I.e., TCP 80 and TCP 8080



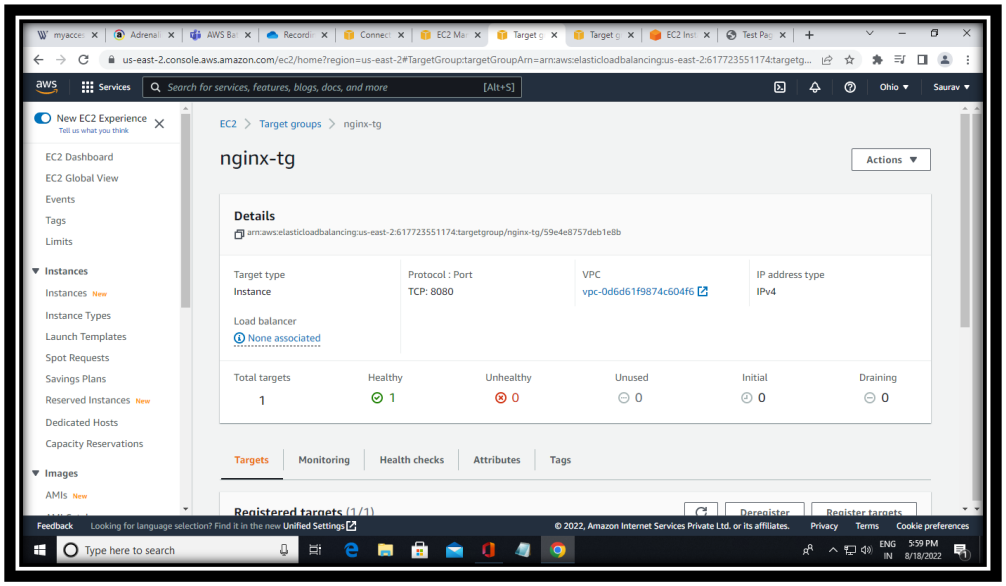
Now click on the create load balancer



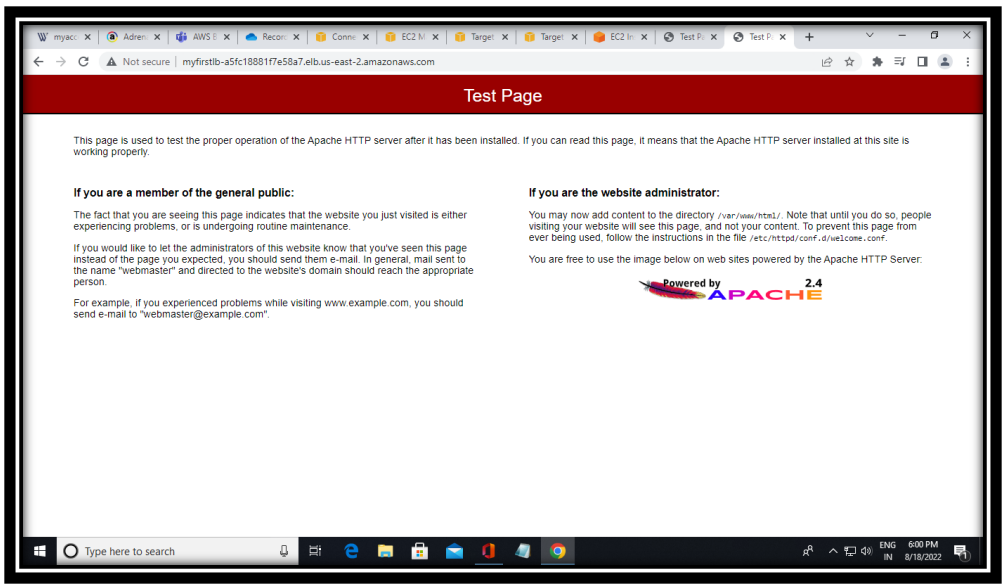
The Httpd target group is working properly because Health Check is showing 1



The Ngnix target group is working properly because Health Check is showing 1



My Network Load Balancer is working properly.


Not secure | myfirstlb-a5fc18881f7e58a7.elb.us-east-2.amazonaws.com
Test Page
This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.
If you are a member of the general public:
The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.
If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.
For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".
If you are the website administrator:
You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.
You are free to use the image below on web sites powered by the Apache HTTP Server:
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