NAME: DIVYA SANJEEVARADDI JALIKOPPA

USN : 2KE20EC028

ASSAIGNMENT

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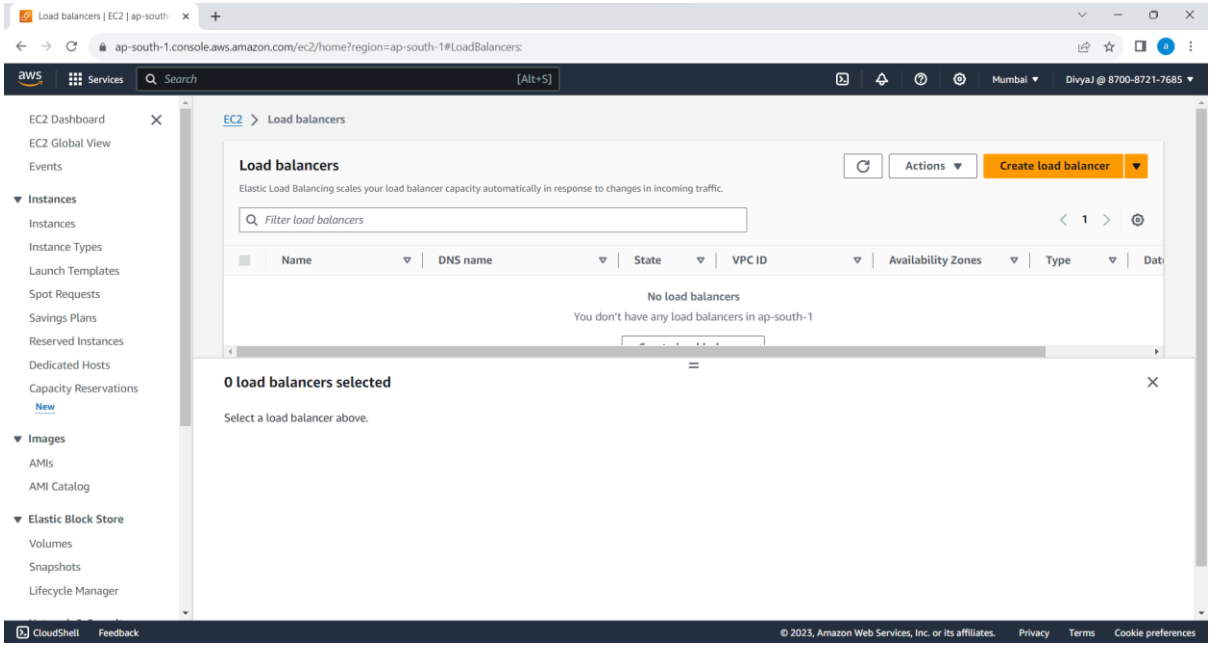
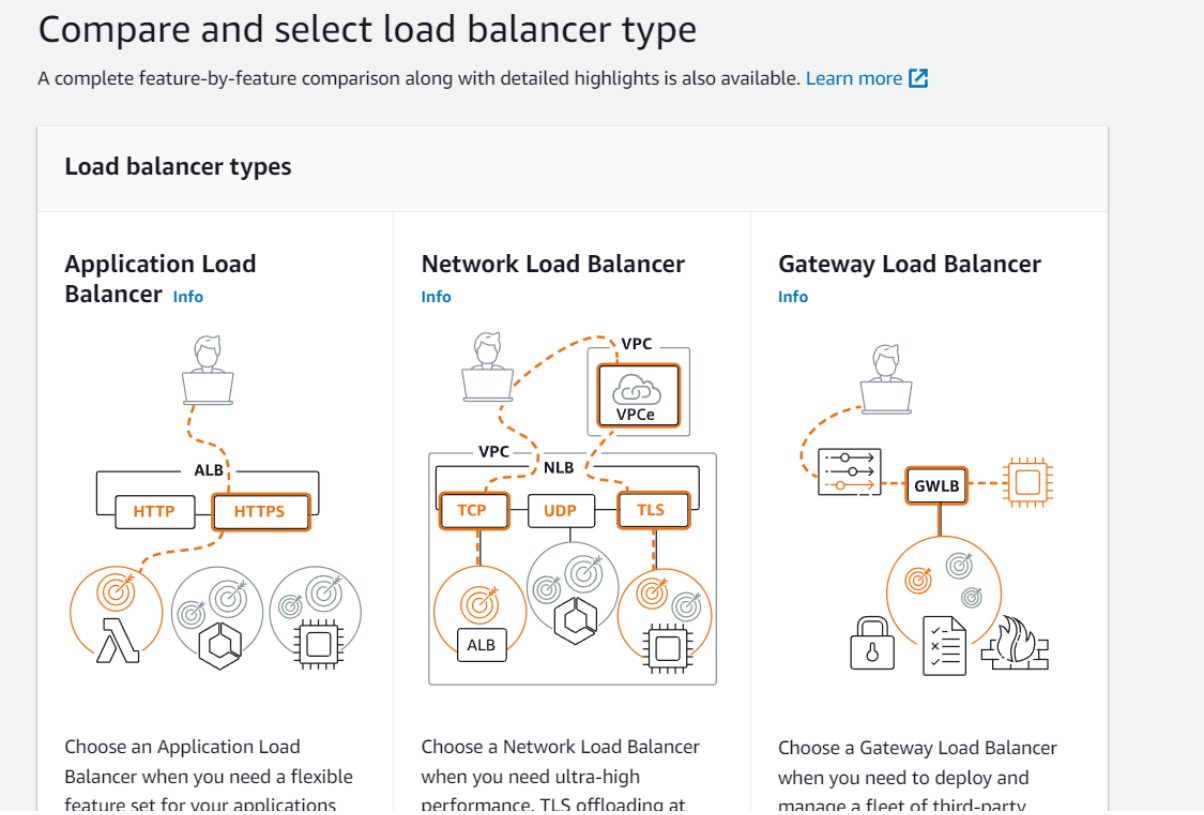
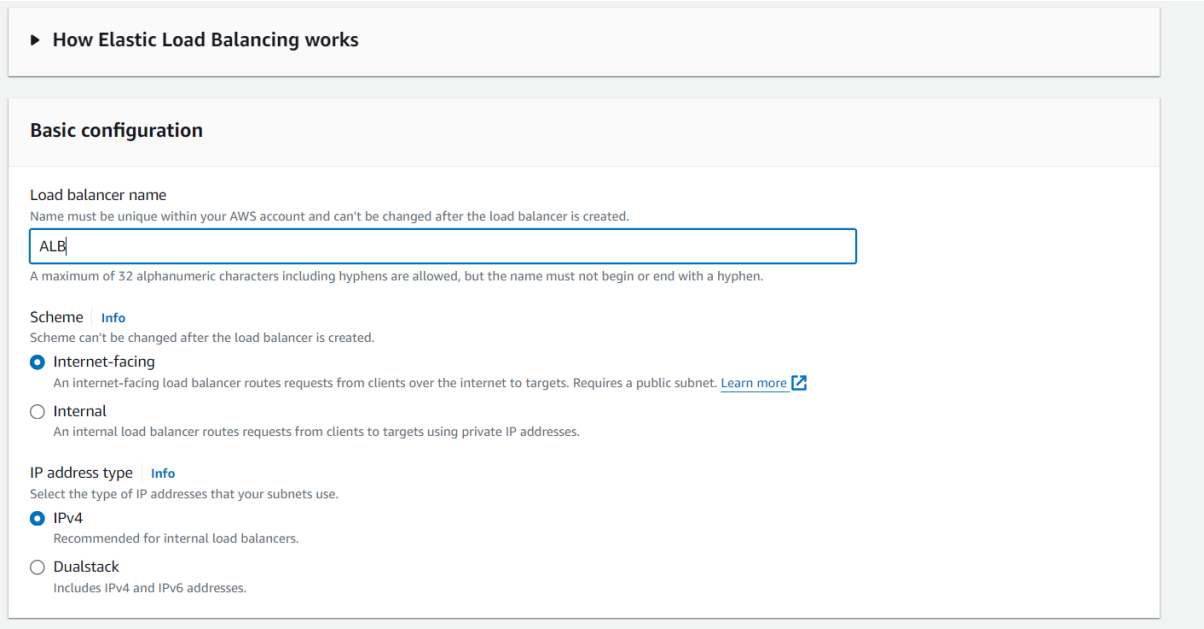
Navigate to load balancer



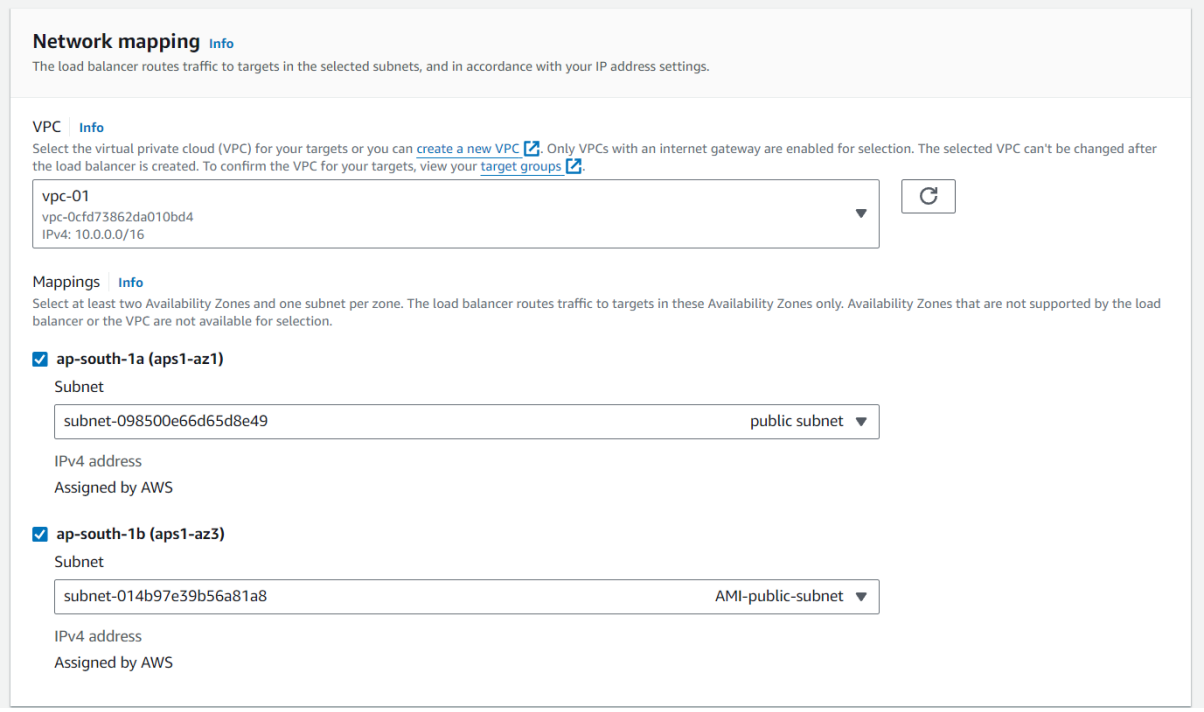
Select application load balancer



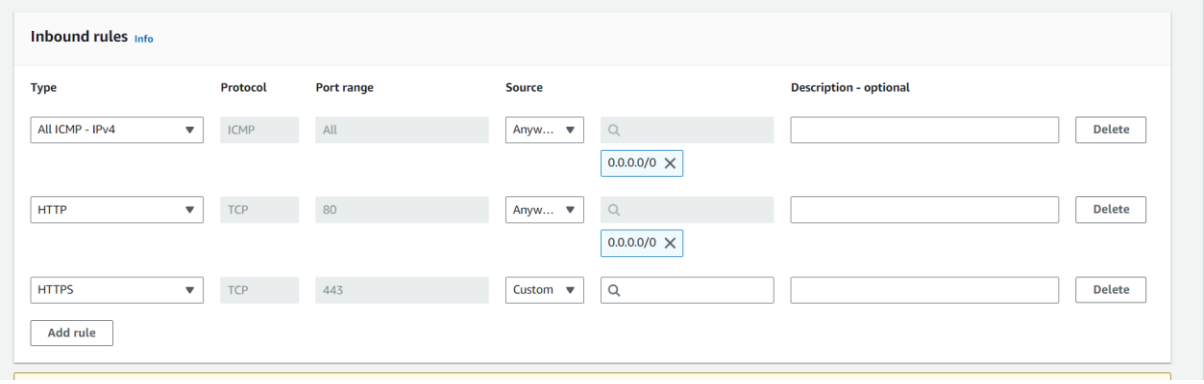
Give name



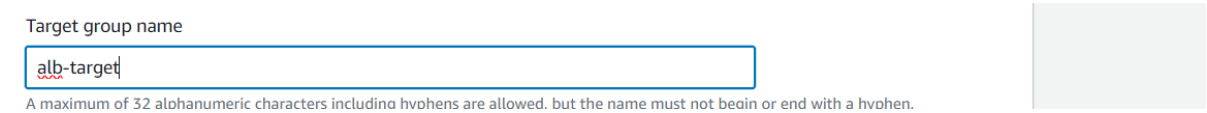
Select availability zones and select public subnets

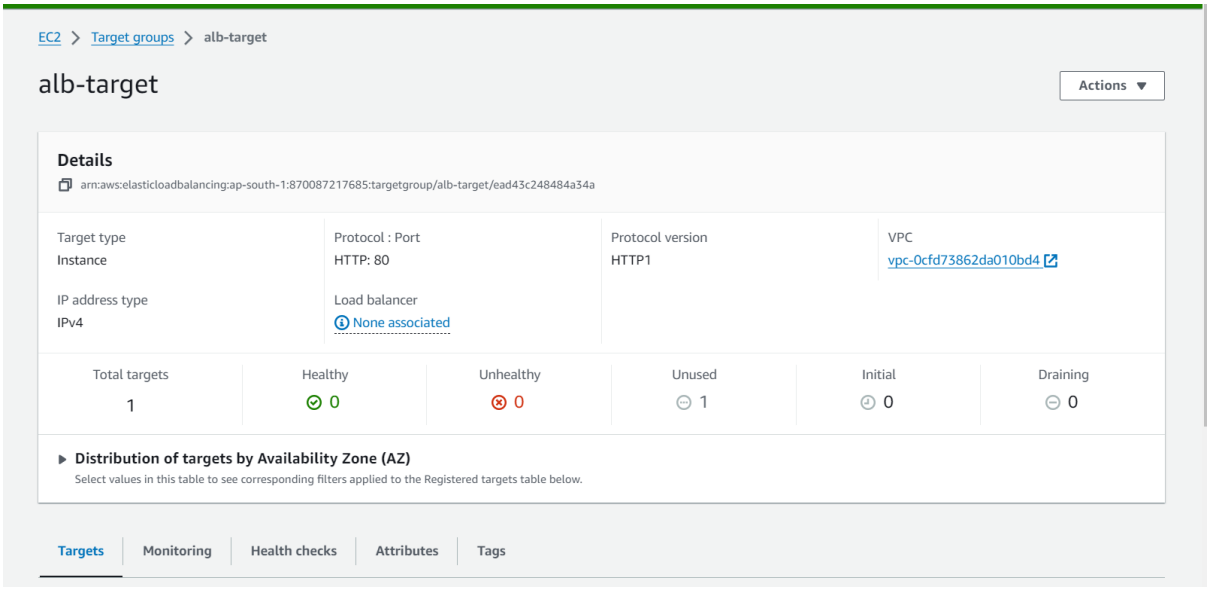


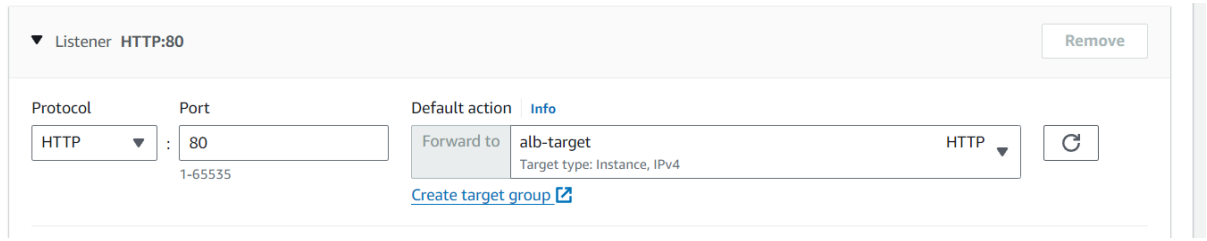
Create security group

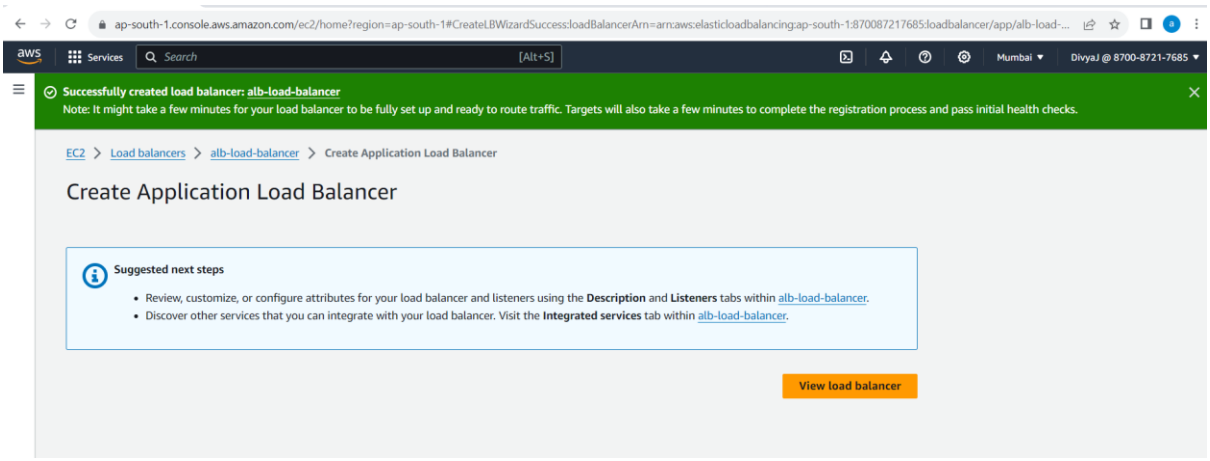


Create target group

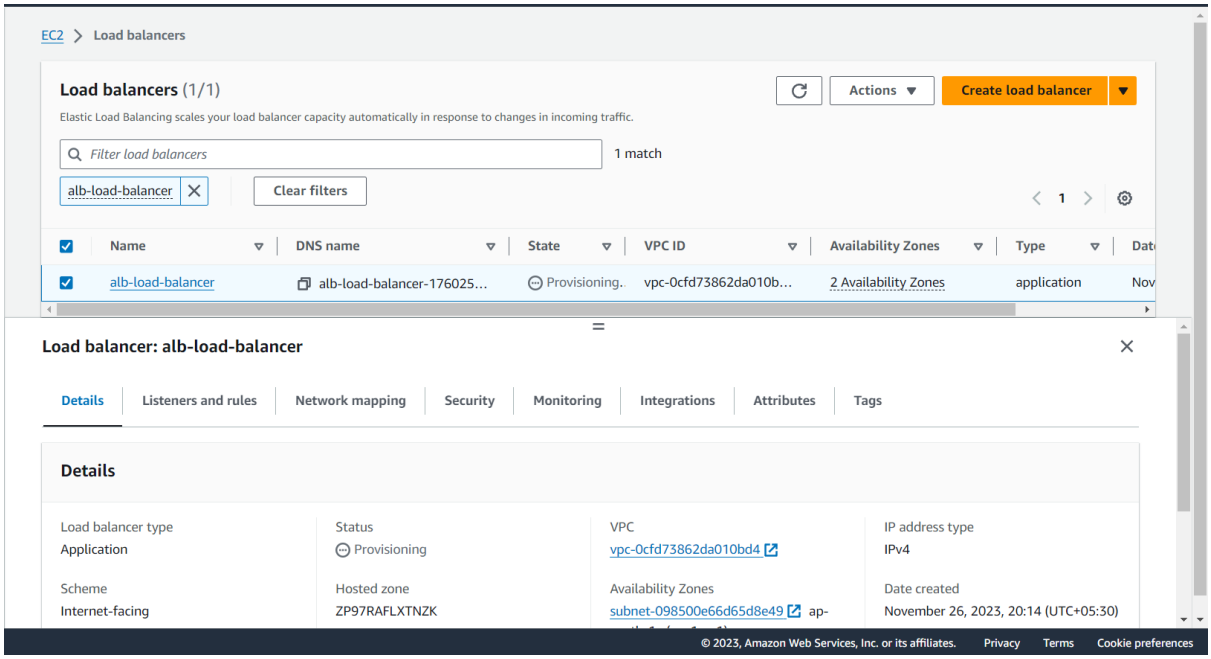


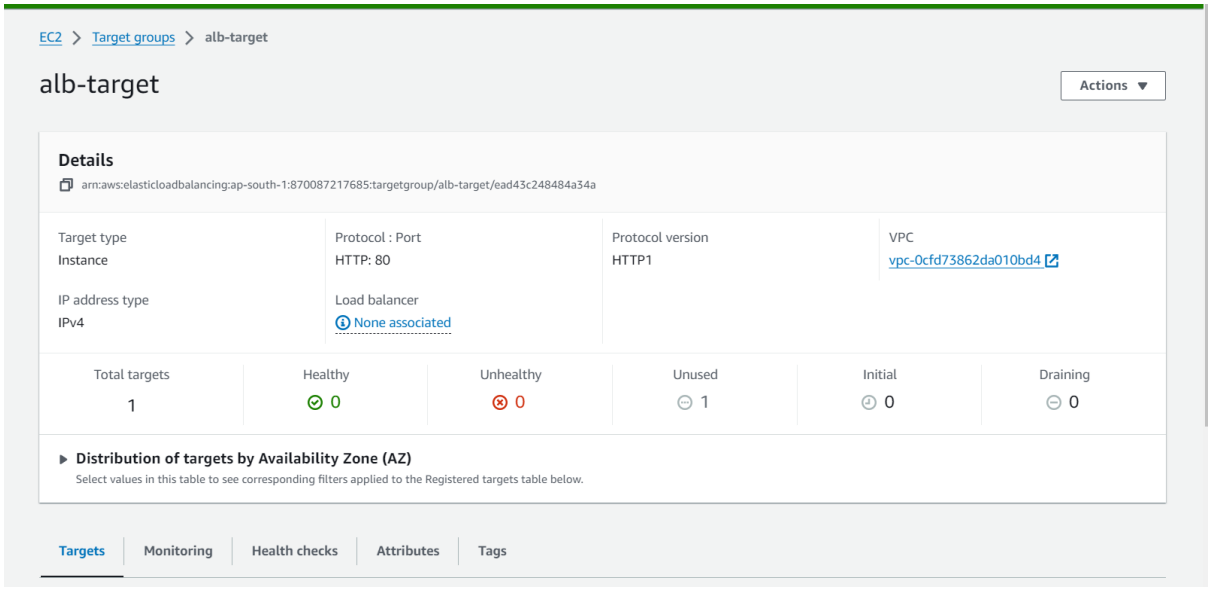






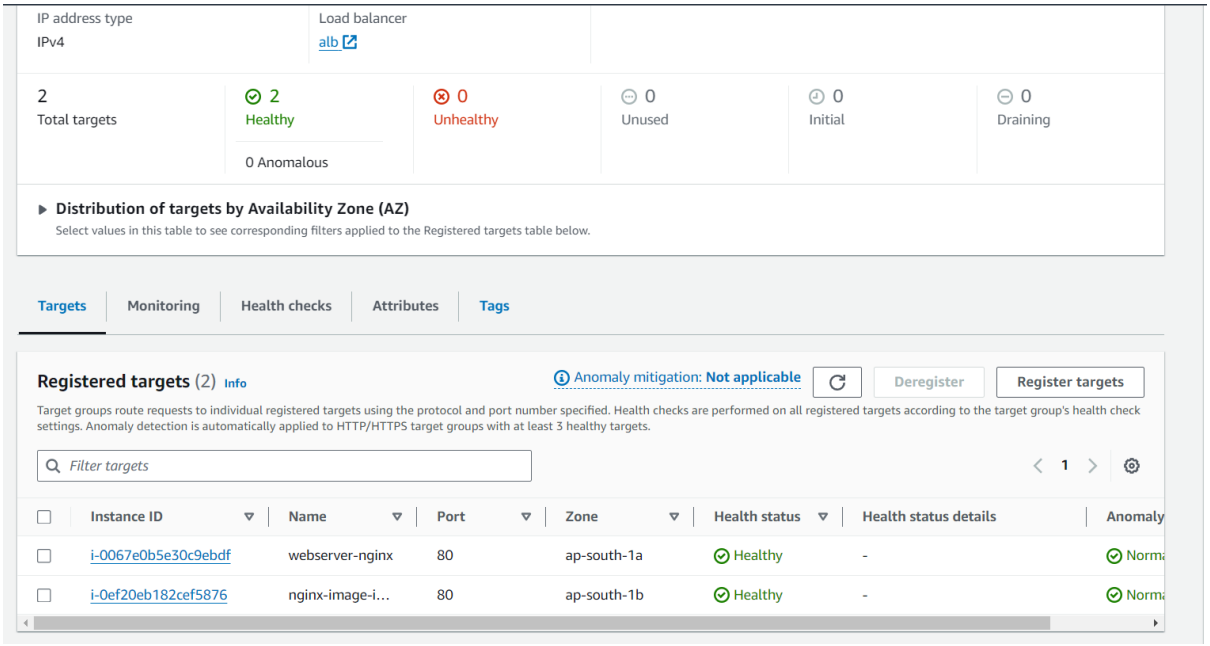
Load balancer is created



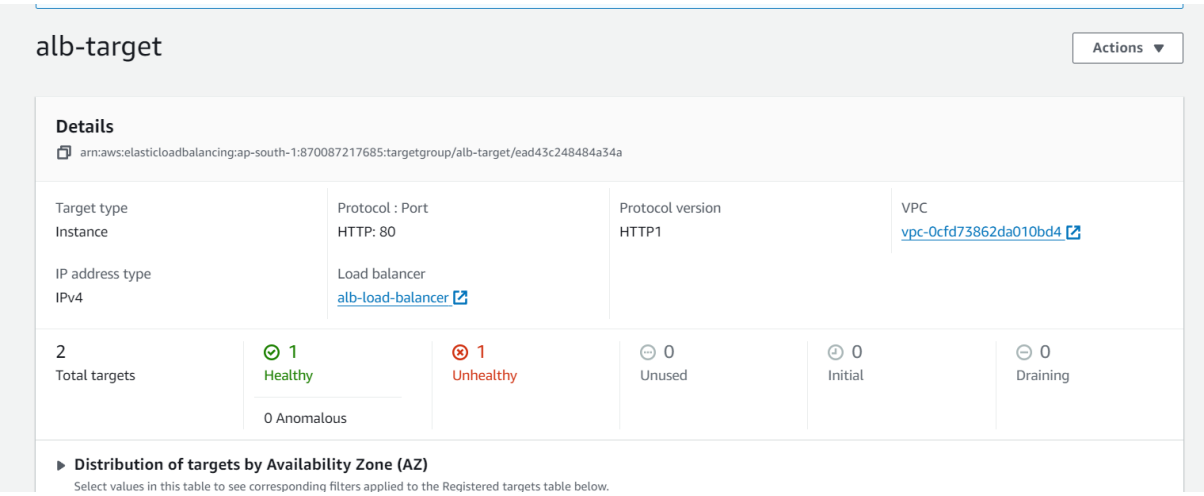


Register 2 public instances and check the status

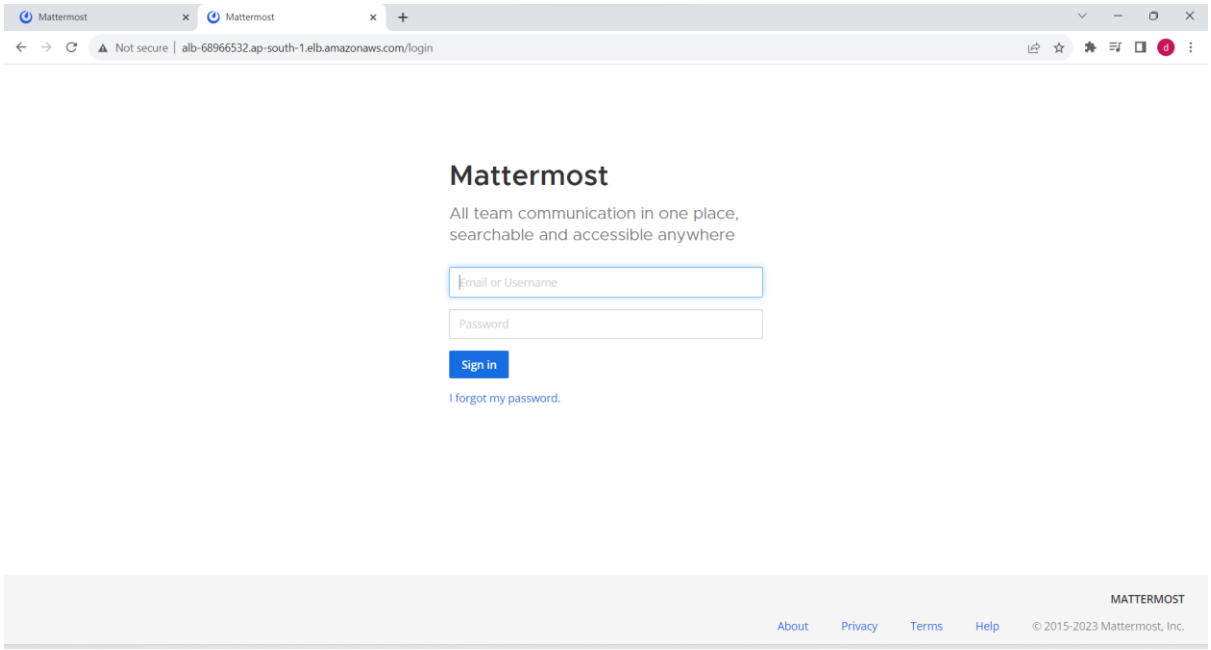
Its healthy



In of the instance I stopped nginx so its unhealthy



Go to the load balancer and check it with the DNS name



OPTIONAL:to show its coming in round robin fashion I have created 2 instances and installed nginx in them and accessed it using DNS of ALB

Its coming in round robin fashion

CONCLUSION:
case 1: Both the targets are healthy
it follows round robin fashion

Case 2: one of the target is healthy

Load balancer only send request to healthy server

Case3: Bothe the targets are unhealthy

Load balancer cannot send the request to either of the server so we cannot access

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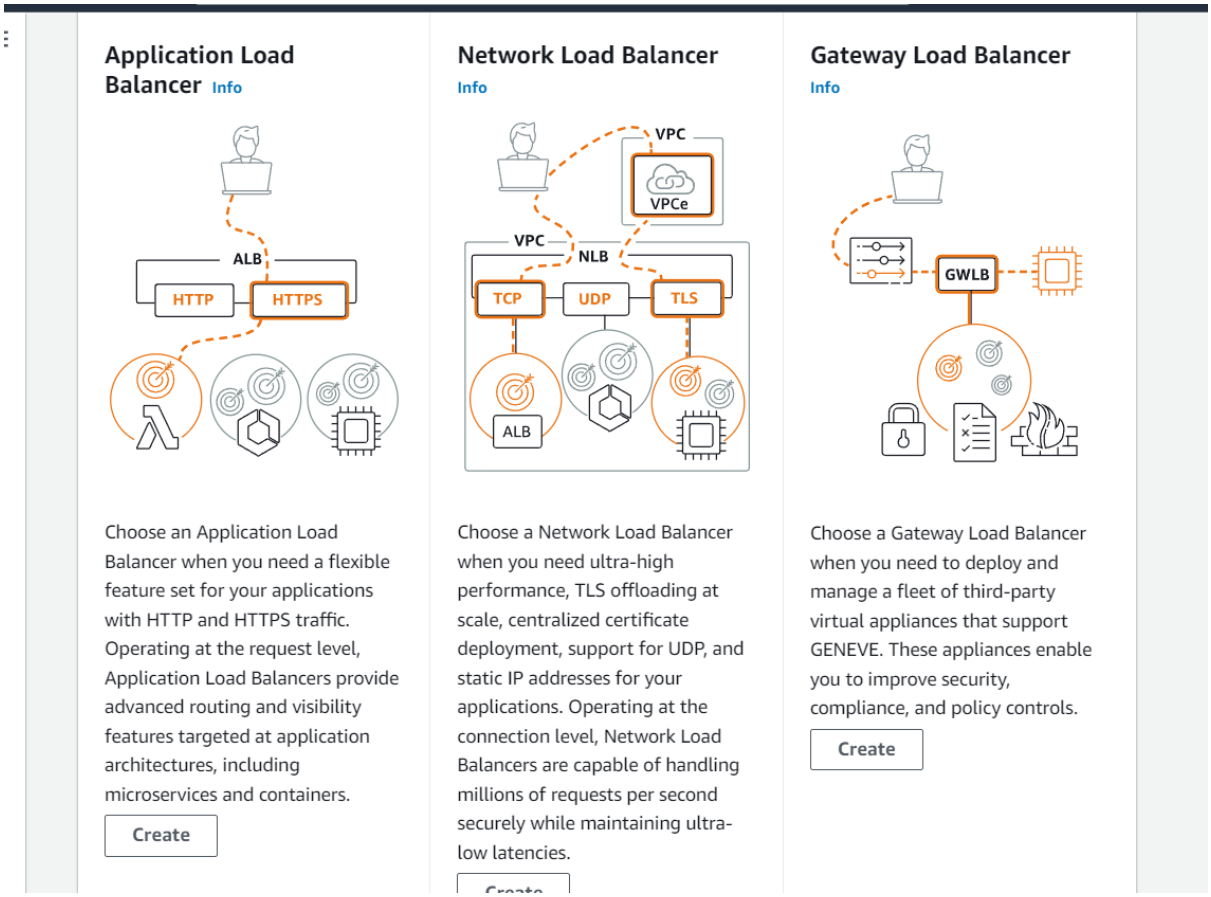
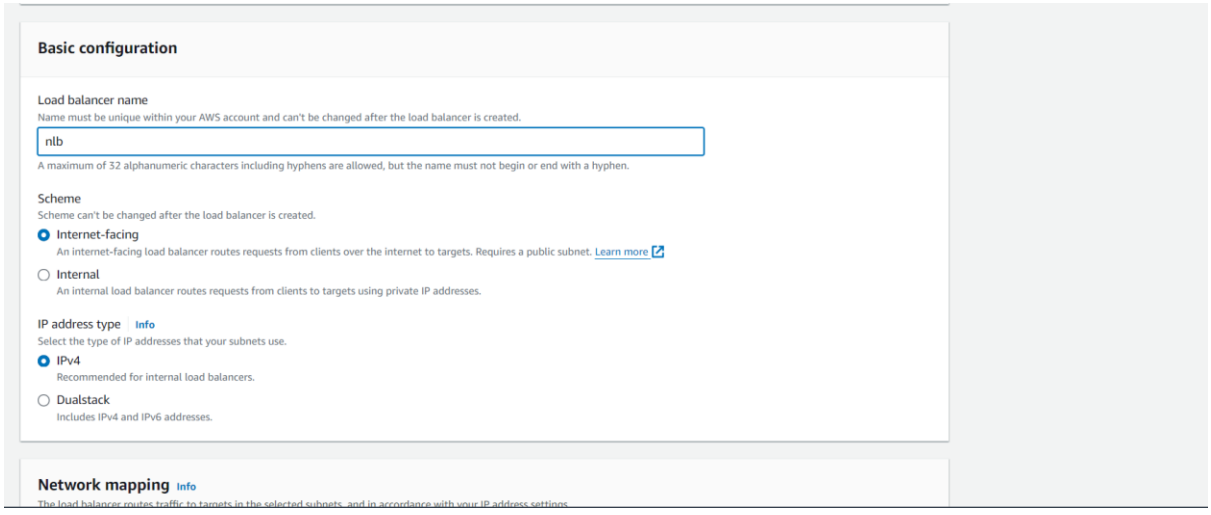
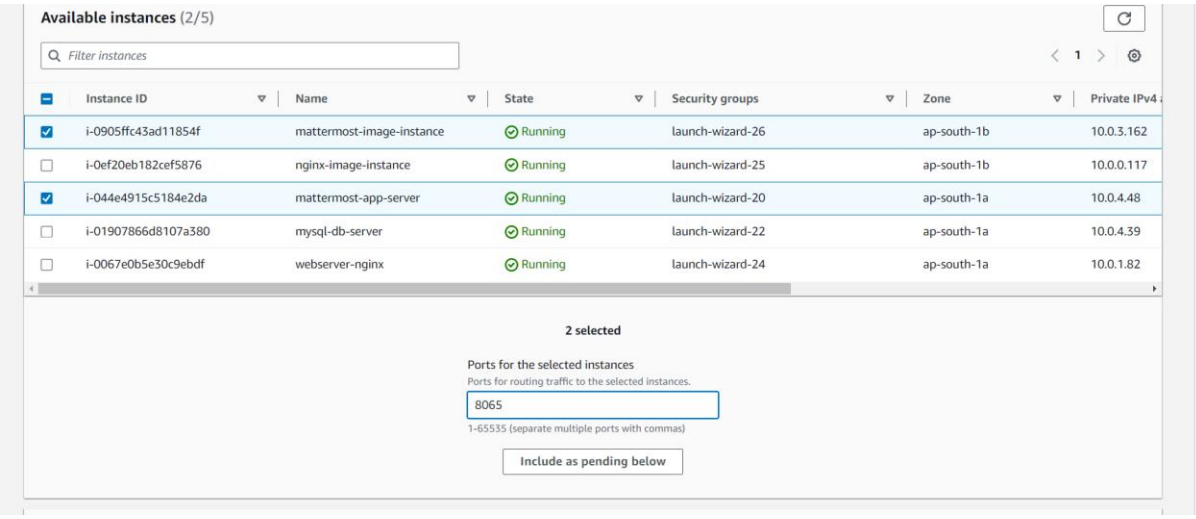
Select network load balancer



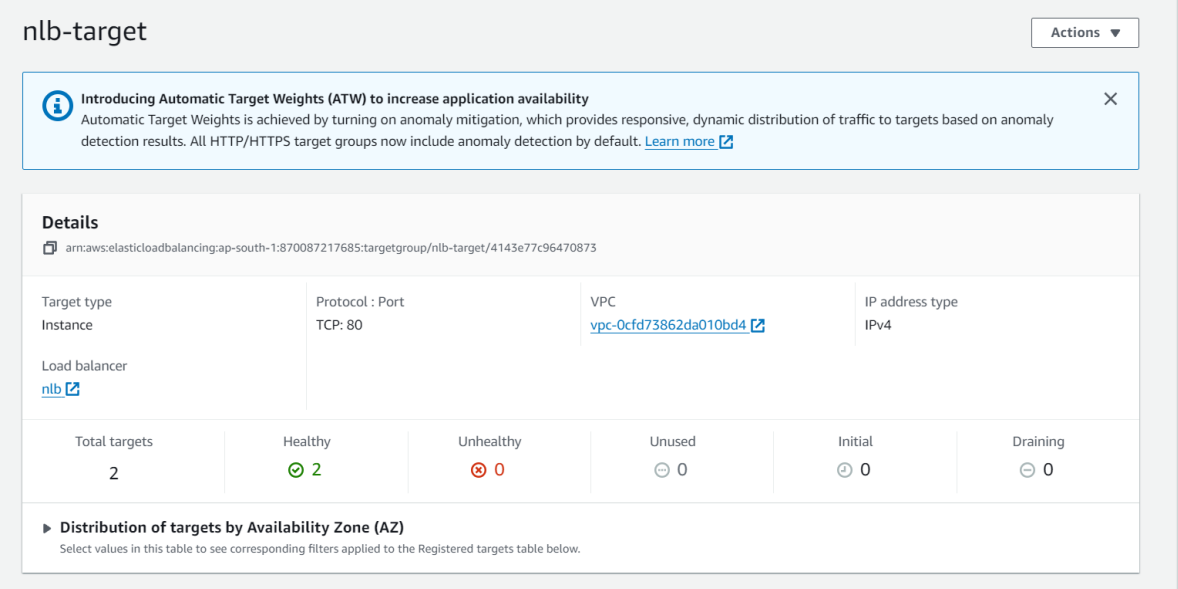
Give name for the load balancer



Register the 2 mattermost instances and give the port number as 8065



Both are healthy



Go to the .conf file and give the DNS of NLB

```
upstream backend {
    server nlb-6d68b36b36d8d874.elb.ap-south-1.amazonaws.com;
    keepalive 32;
}

proxy_cache_path /var/cache/nginx levels=1:2 keys_zone=mattermost_cache:10m max_size=3g inactive=120m use_temp_path=off;

server {
    listen 80;
    server_name 10.0.1.82;

    location ~ /api/v[0-9]+/(users/)?websocket$ {
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
        client_max_body_size 50M;
        proxy_set_header Host $http_host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
        proxy_set_header X-Frame-Options SAMEORIGIN;
        proxy_buffers 256 16k;
        proxy_buffer_size 16k;
        client_body_timeout 60;
        send_timeout 300;
        lingering_timeout 5;
        proxy_connect_timeout 90;
        proxy_send_timeout 300;
        proxy_read_timeout 90s;
        proxy_pass http://backend;
:wq!
```

Access it using the DNS of ALB
we need to get mattermost page