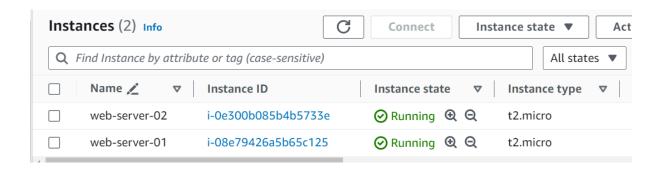
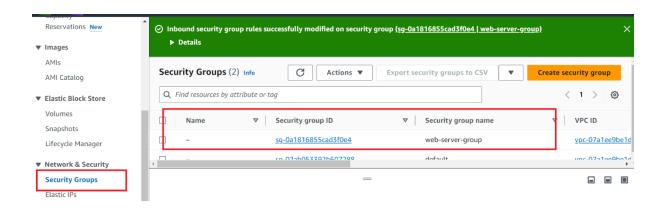
### 1. Create EC2 Instances

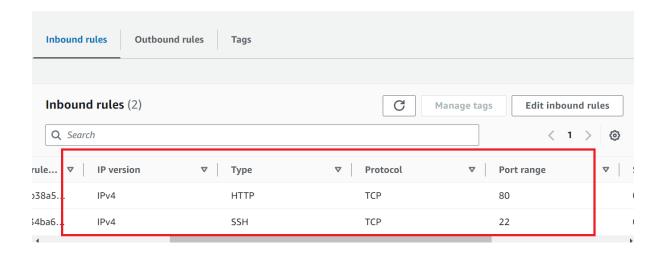
Launch at least two EC2 instances with web server software installed (e.g., Apache, Nginx)



Ensure they belong to the same security group allowing traffic on the web server's port (e.g., port 80 for HTTP).

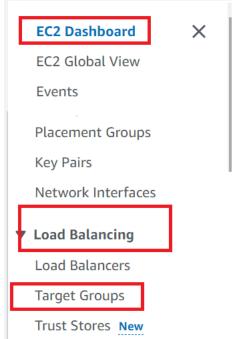


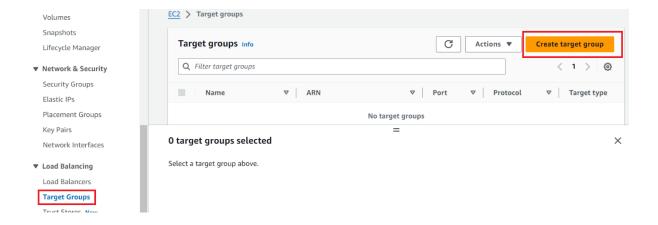
**Check Inbound Rules** 



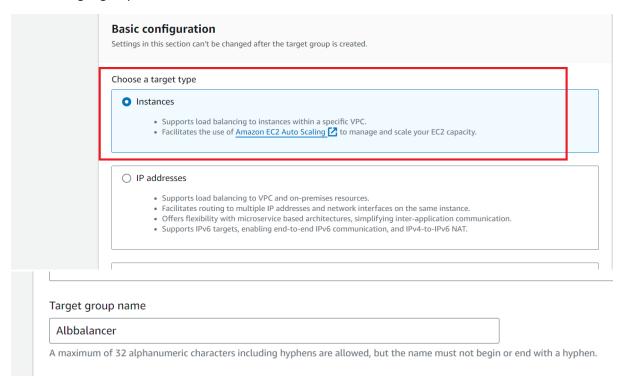
### **Create a Target Group**

- In the AWS Management Console, navigate to the EC2 service.
- Create a target group, specifying the target type (e.g., instances) and the protocol and port (e.g., HTTP on port 80).

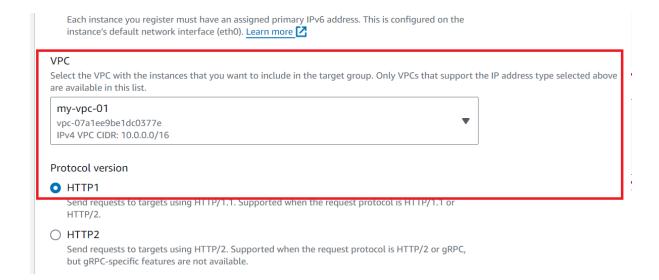




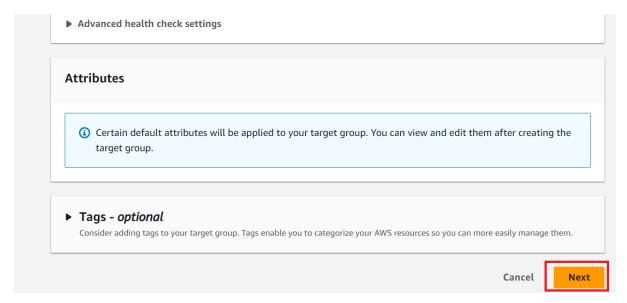
### Provide Target group name



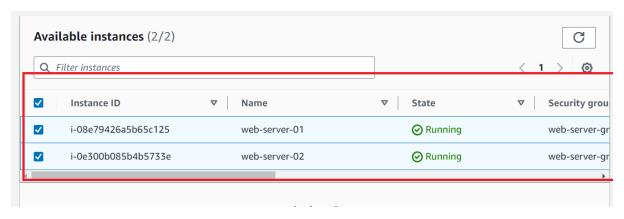
### Select VPC

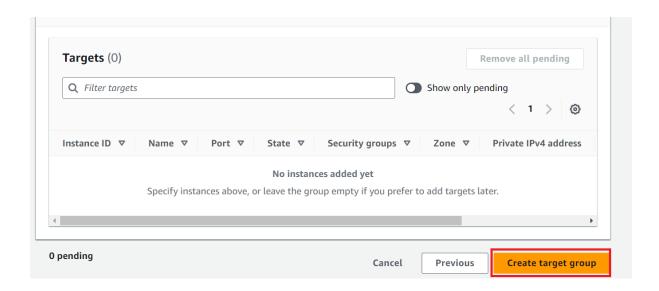


#### Press next



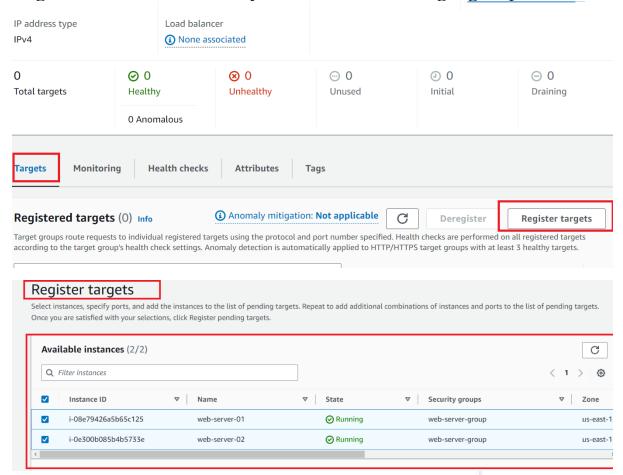
#### **Create Target Group**





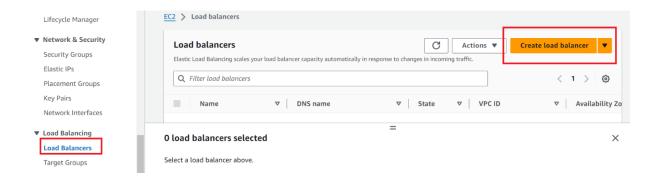
# **Register EC2 Instances**

Register the EC2 instances you created in the target group.

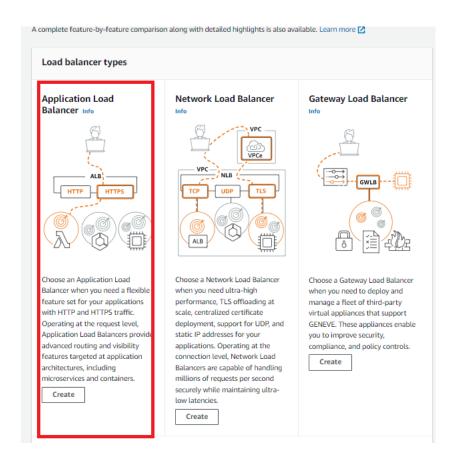


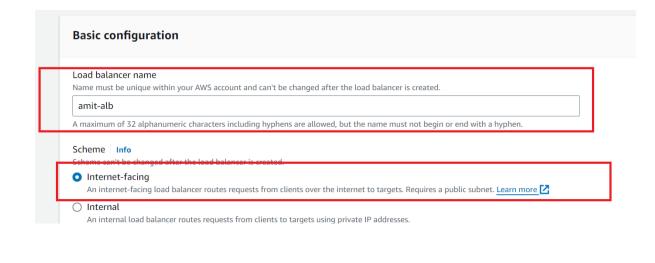
## **Create an Application Load Balancer (ALB)**

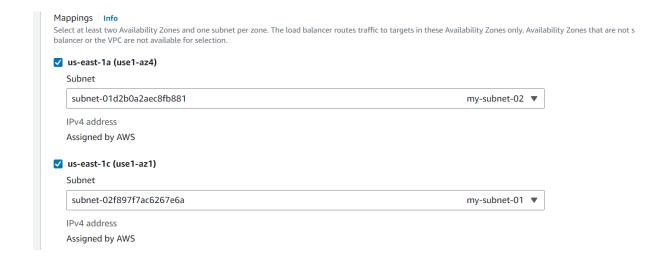
• In the AWS Management Console, navigate to the EC2 service.



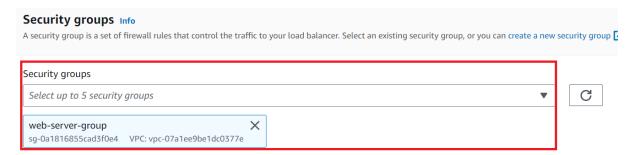
Create an Application Load Balancer (ALB) and configure listeners (e.g., HTTP on port 80).







# Select security group, which ec2 is using



# Listeners and routing

#### Listeners and routing Info A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets. ▼ Listener HTTP:80 Remove Protocol Port Default action Info Forward to HTTP C HTTP 80 Albbalancer Target type: Instance, IPv4 1-65535 Listener tags - optional Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

#### Create load balancer

