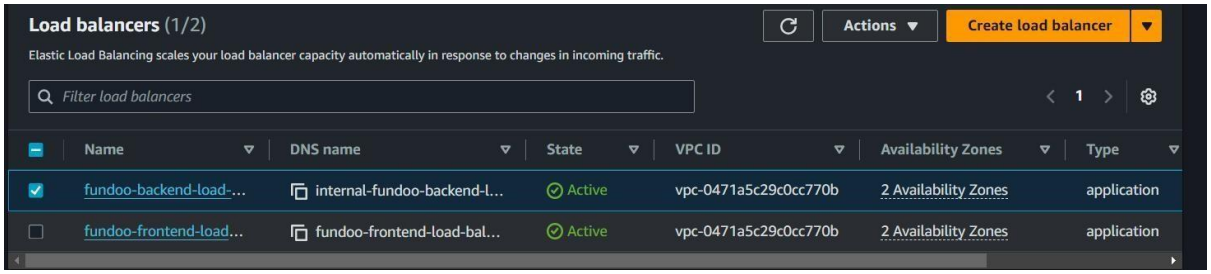
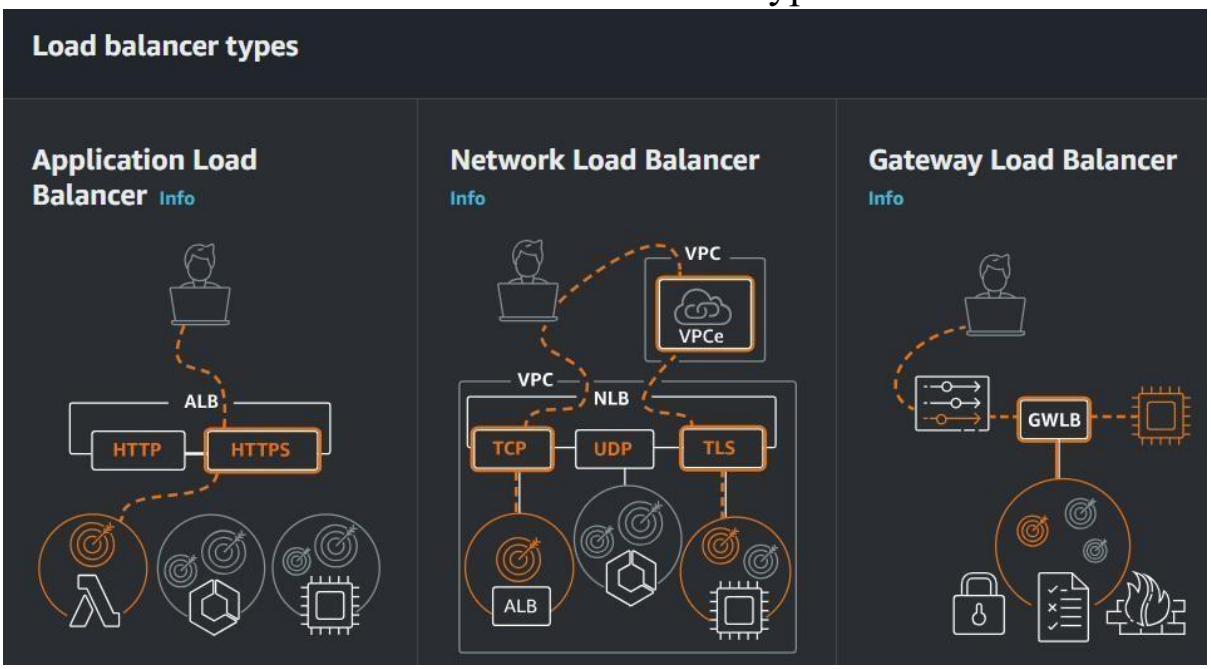
Creating Load Balancer

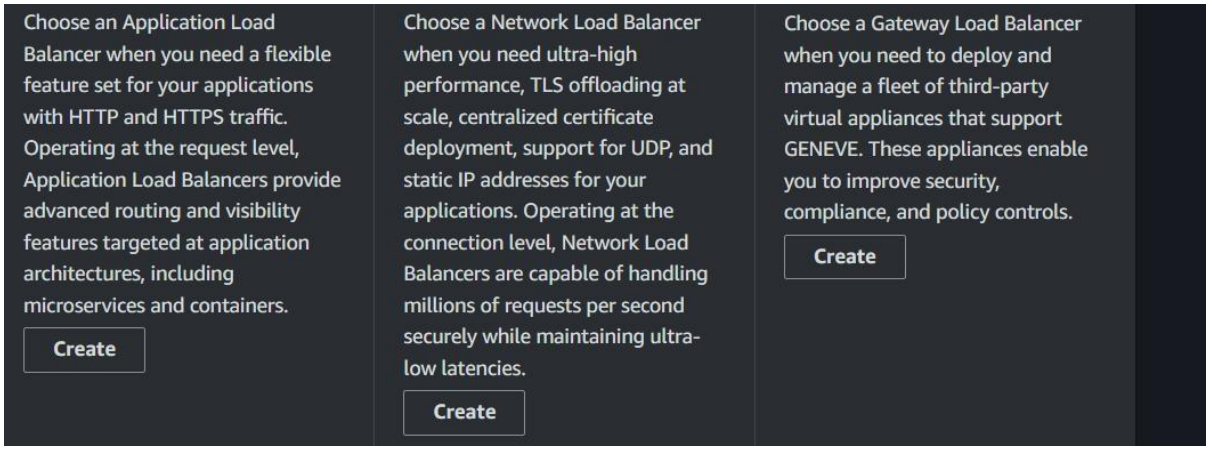
click on create load balancer



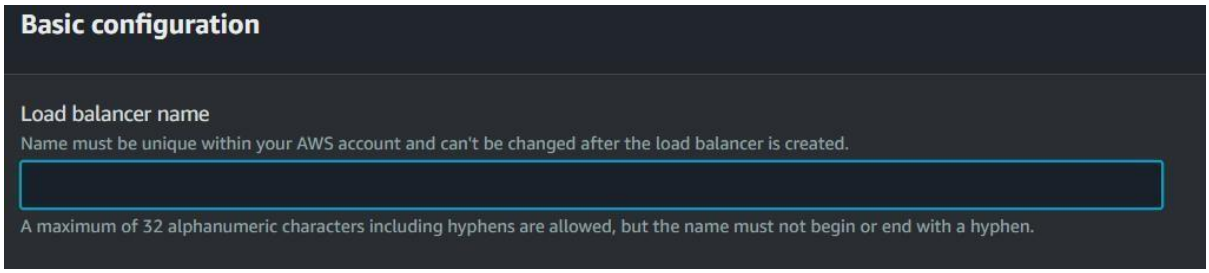
choose an load balancer type



Click on create button

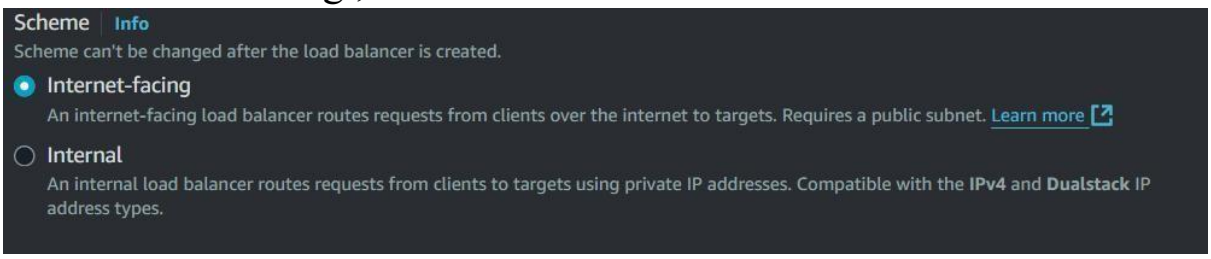


Give load balancer name

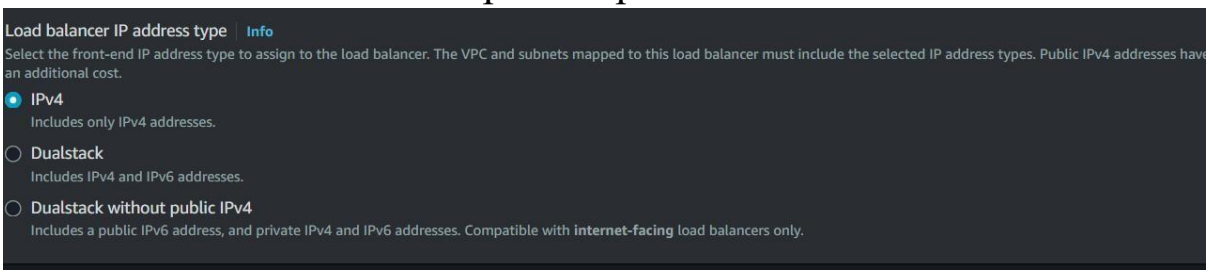


Select an scheme based upon your vm ,, like frontend instance means internet

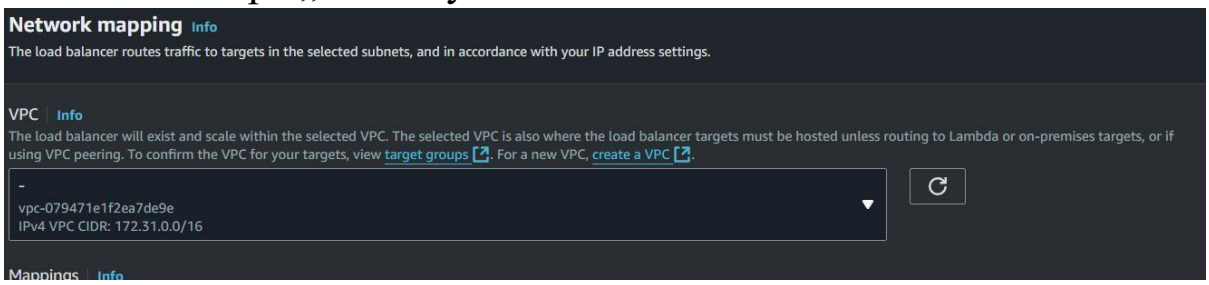
facing , backend instance means internal



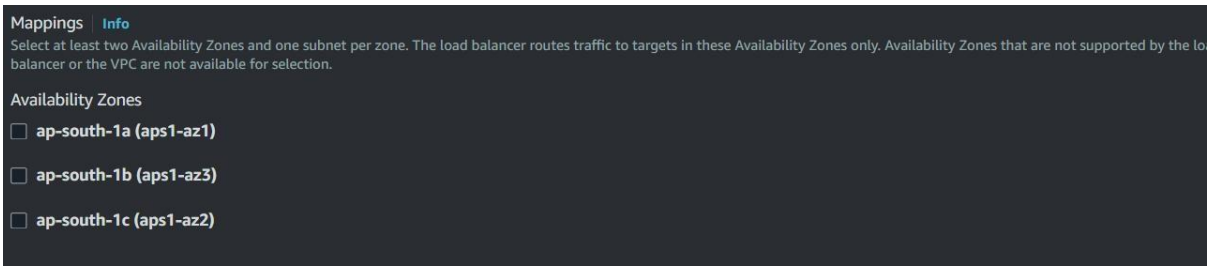
Select ipv4 or ipv6 or dual



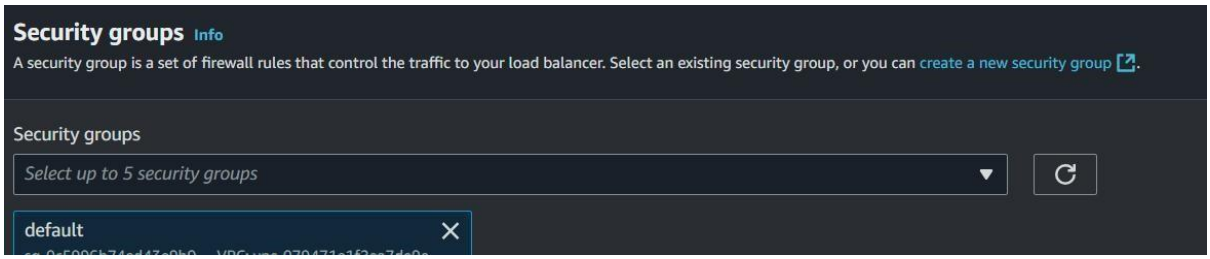
Select vpc ,, where your load balncer should be located



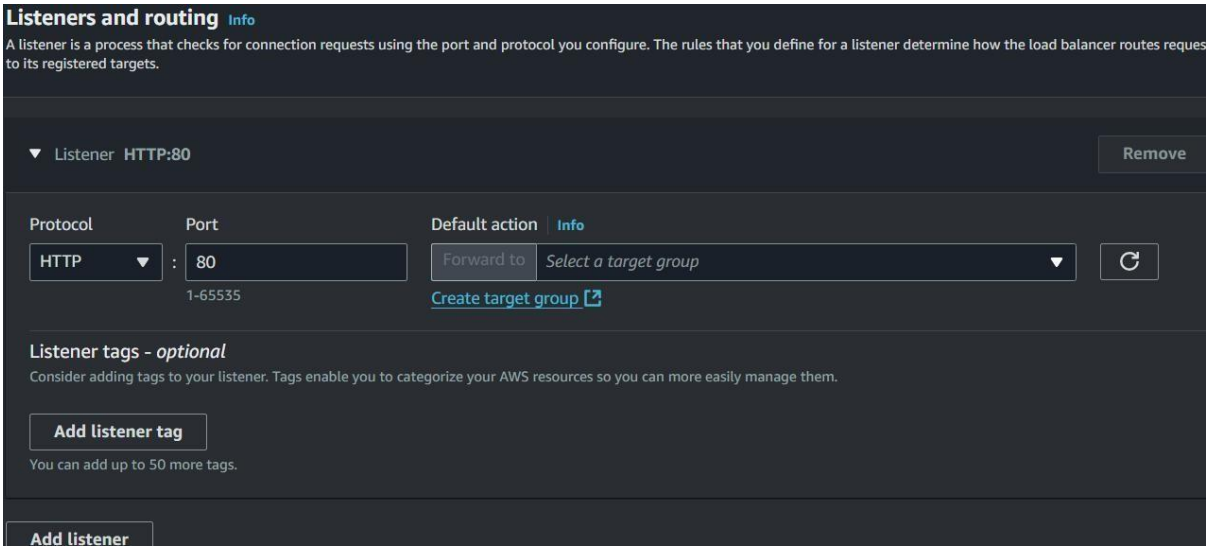
select an subnets where your load balancer should mange load based upon your subnets which you mentioned.



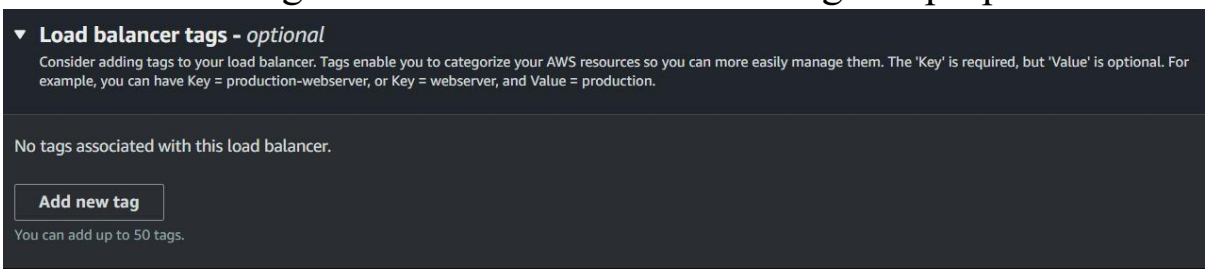
Select security group ,, or you have to create an security group for your load balancer and select that security group.



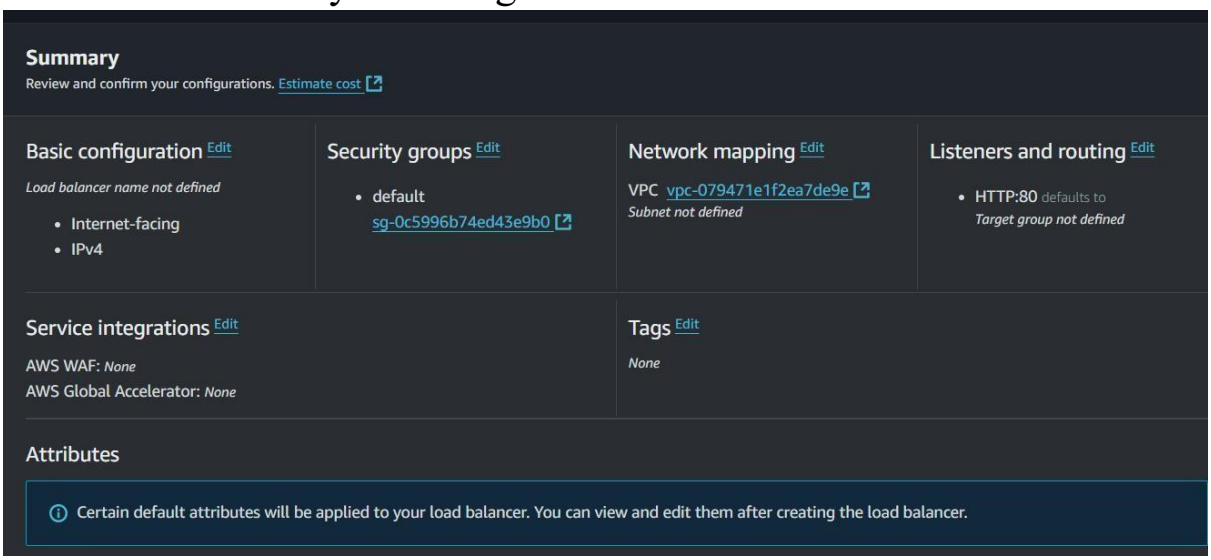
Mentions listerns ,, source target group ,, and you have to create an target group as well before it self.



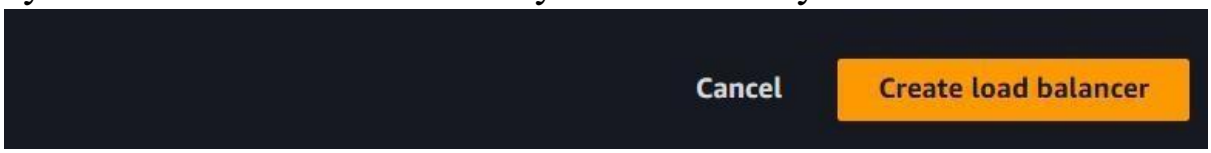
Give an tags which will be useful for recognize purpose



Check once whatever you have give and mentions details of load balancer

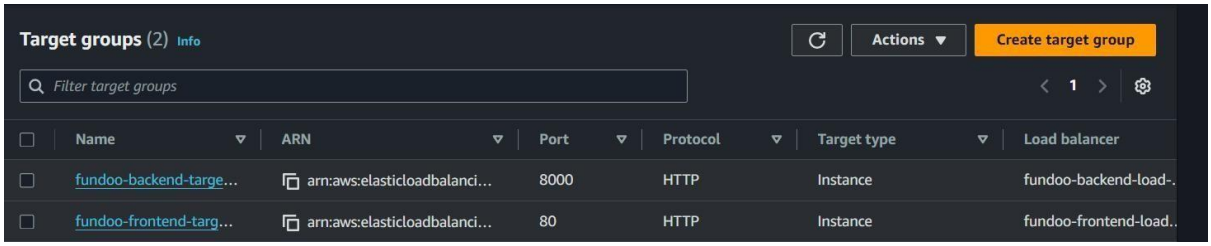


Finally click on create load balncer you successfully created an load balancer

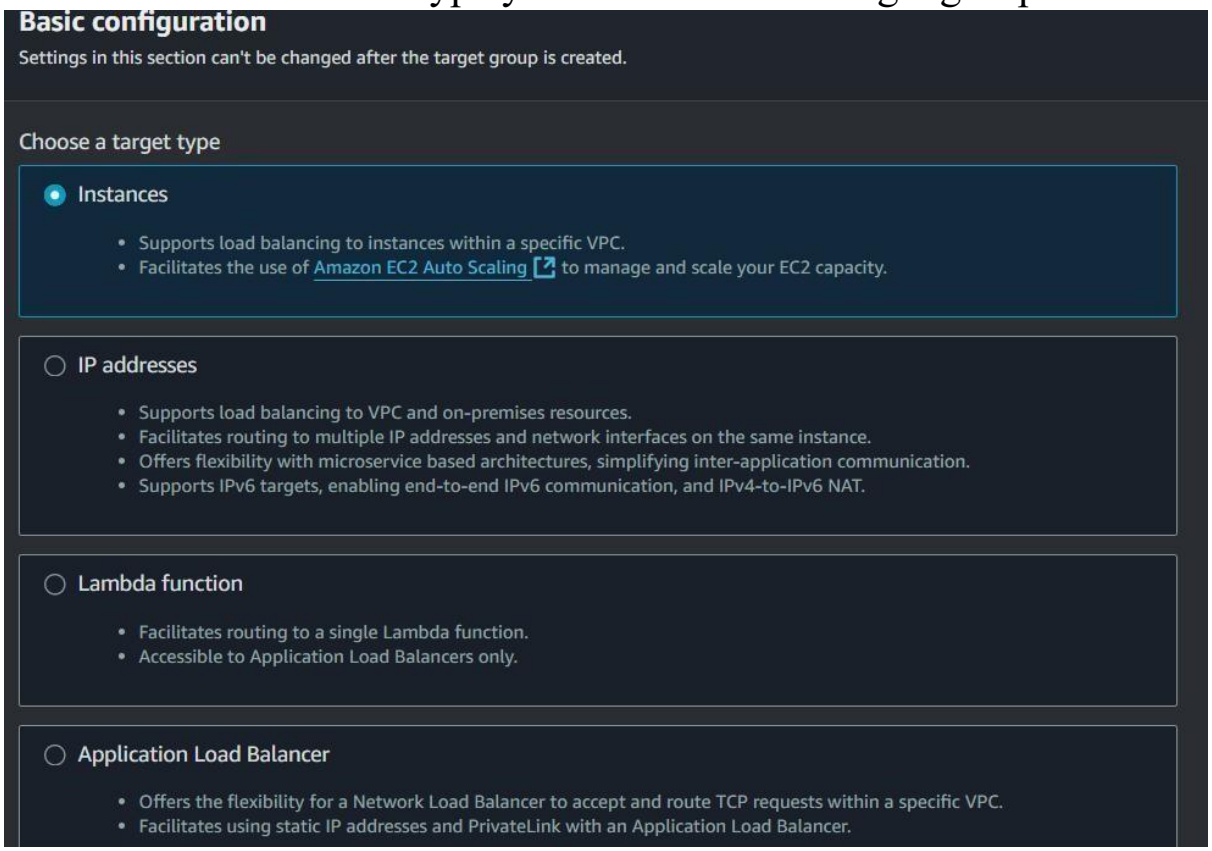


Create target group

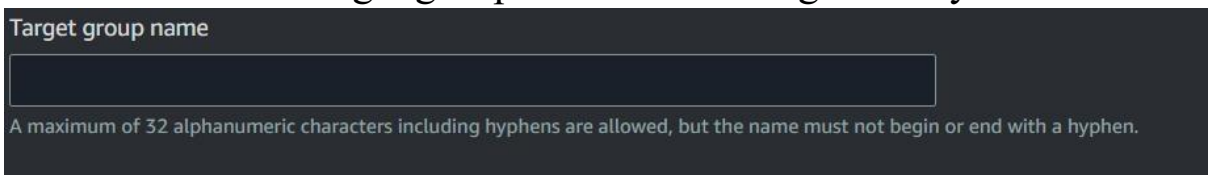
Click on create load balancer



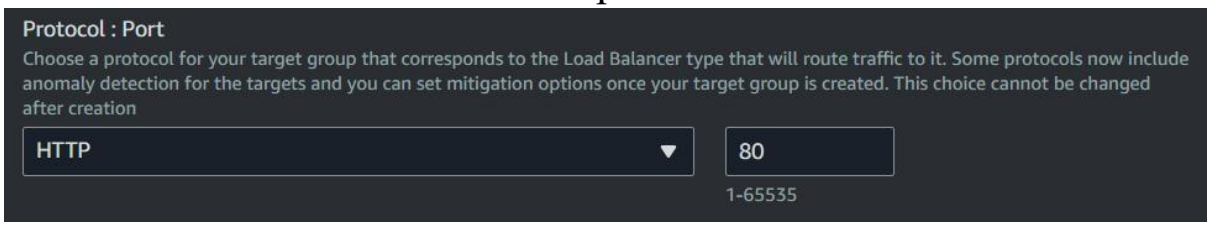
Check on which type you want create an target group



Give an target group name in meaning full way ..



Give port



Select ip address type

IP address type

Only targets with the indicated IP address type can be registered to this target group.

- (●) IPv4
  Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.
- ( ) IPv6
  Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). Learn more

Select vpc

VPC

Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.

-
vpc-079471e1f2ea7de9e
IPv4 VPC CIDR: 172.31.0.0/16

Select protocol

Protocol version

- (●) HTTP1
  Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.
- ( ) HTTP2
  Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.
- ( ) gRPC
  Send requests to targets using gRPC. Supported when the request protocol is gRPC.

Give an path which it check instance is healthy or not like /home , /swagger

Health checks

The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol

HTTP

Health check path

Use the default path of "/" to perform health checks on the root, or specify a custom path if preferred.

/

Up to 1024 characters allowed.

▼ **Advanced health check settings**

Restore defaults

Health check port

The port the load balancer uses when performing health checks on targets. By default, the health check port is the same as the target group's traffic port. However, you can specify a different port as an override.

- (●) Traffic port
- ( ) Override

Healthy threshold

The number of consecutive health checks successes required before considering an unhealthy target healthy.

5

2-10

Unhealthy threshold

The number of consecutive health check failures required before considering a target unhealthy.

2

2-10

Timeout

The amount of time, in seconds, during which no response means a failed health check.

5 seconds

2-120

Interval

The approximate amount of time between health checks of an individual target

30 seconds

5-300

Success codes

The HTTP codes to use when checking for a successful response from a target. You can specify multiple values (for example, "200,202") or a range of values (for example, "200-299").

200

Select an instance for which your target group should assign

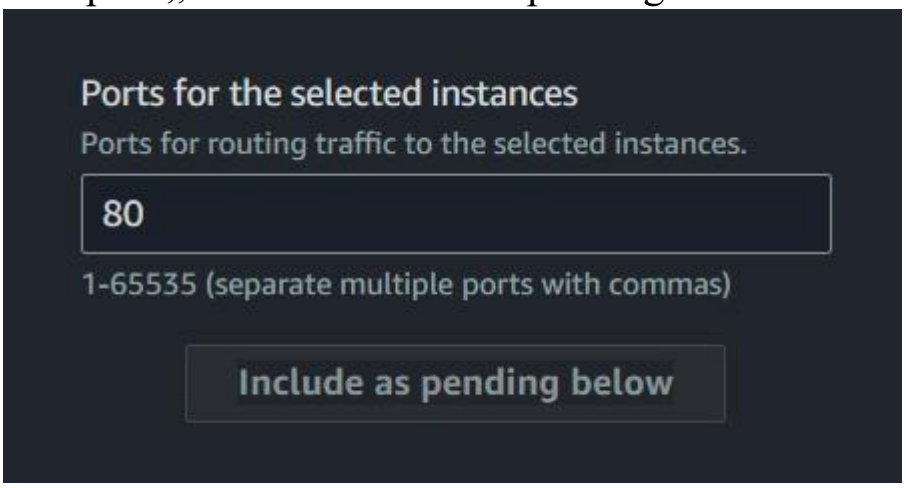
Available instances (3)

Filter instances

1

Instance ID	Name	State	Security groups
i-089fcfa2b91f1ab5d	backend-server	Running	backend-security-group
i-0f2d3e1203aefec09	frontend-server	Running	frontend-security-group
i-0be62aeaf3598b774	database-server	Running	database-security-group

Give port ,, click on include as pending belowbutton



Click on create button