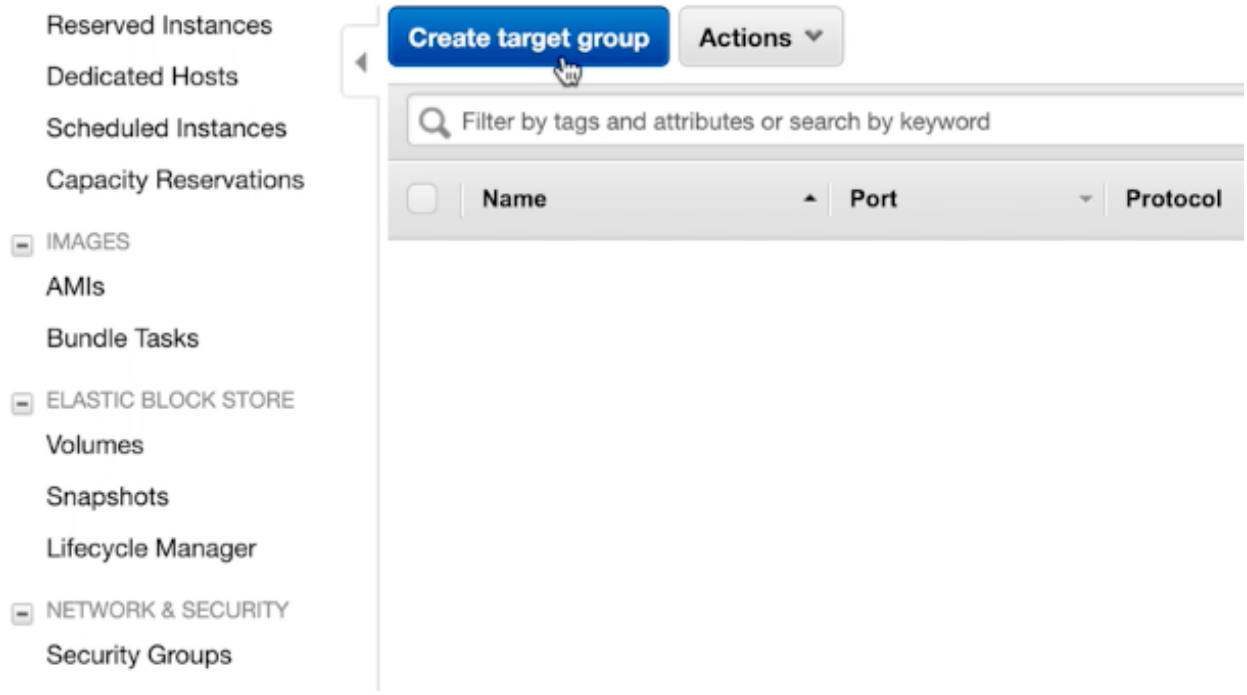
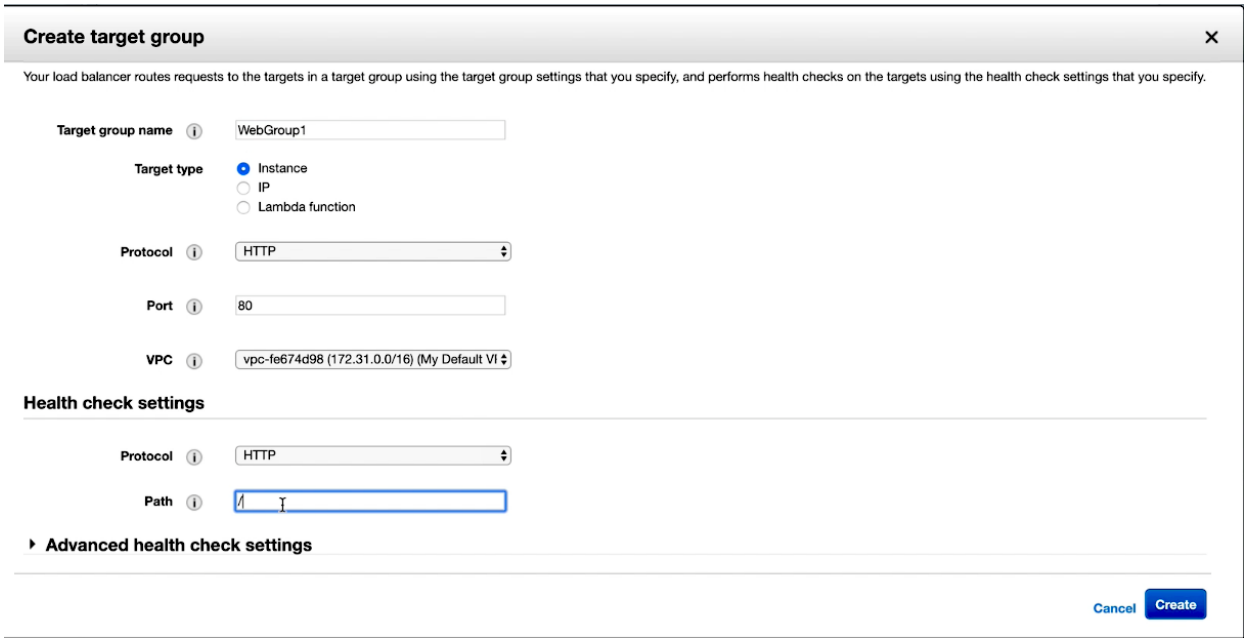

Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
NETWORK & SECURITY
Security Groups
Create target group
Actions
Filter by tags and attributes or search by keyword
Name
Port
Protocol

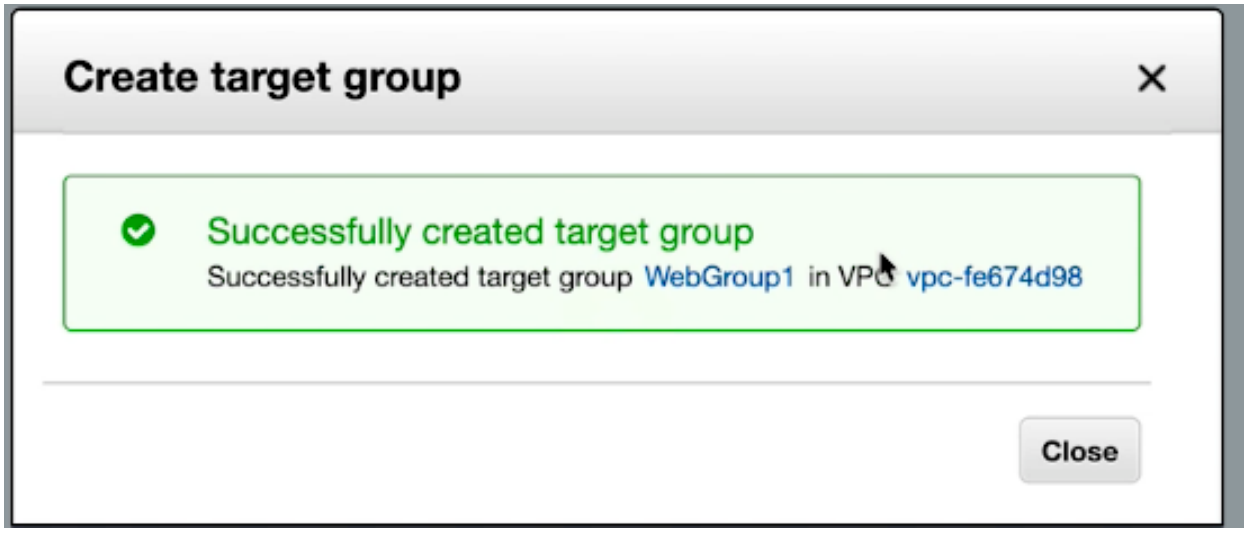

Create target group
Your load balancer routes requests to the targets in a target group using the target group settings that you specify, and performs health checks on the targets using the health check settings that you specify.
Target group name
WebGroup1
Target type
Instance
IP
Lambda function
Protocol
HTTP
Port
80
VPC
vpc-fe674d98 (172.31.0.0/16) (My Default VI
Health check settings
Protocol
HTTP
Path
/
Advanced health check settings
Cancel
Create

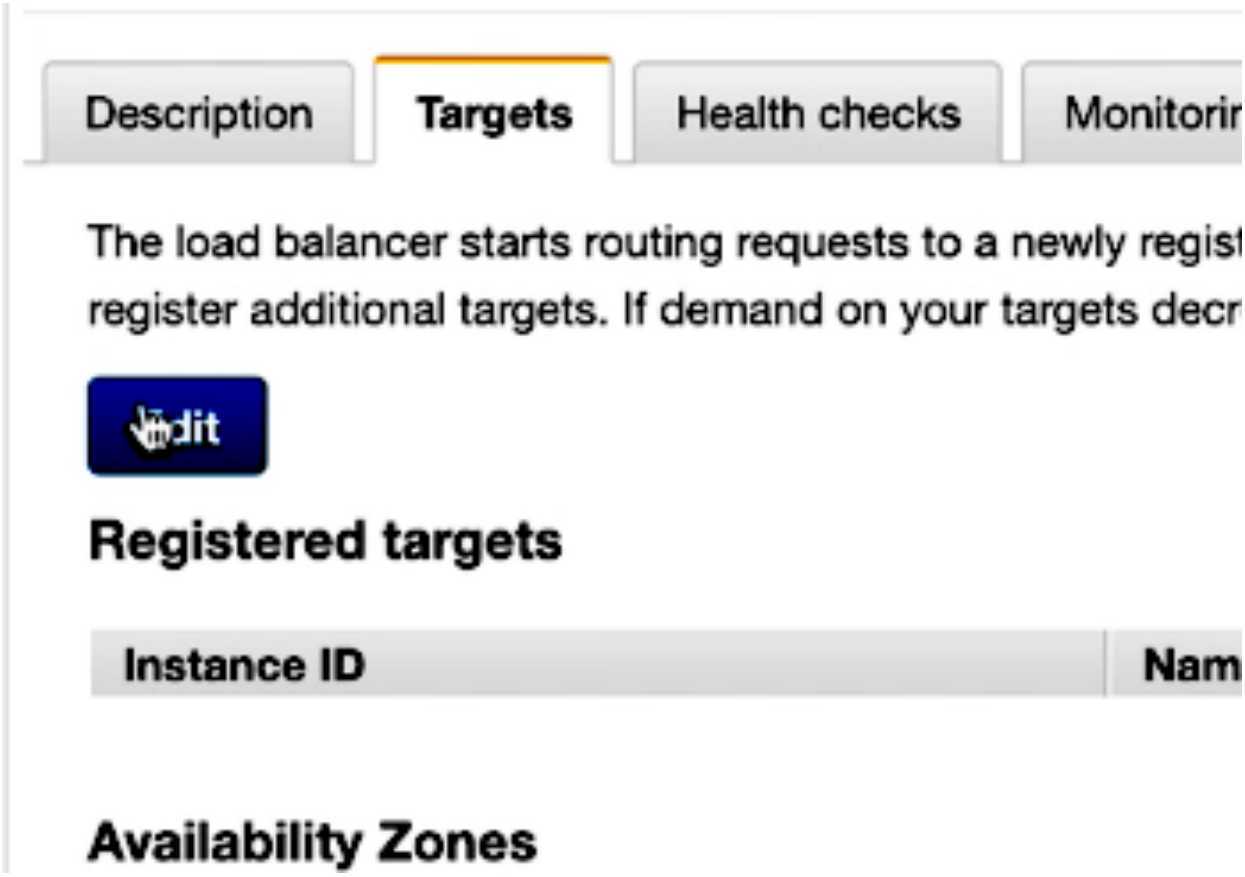
Health check settings

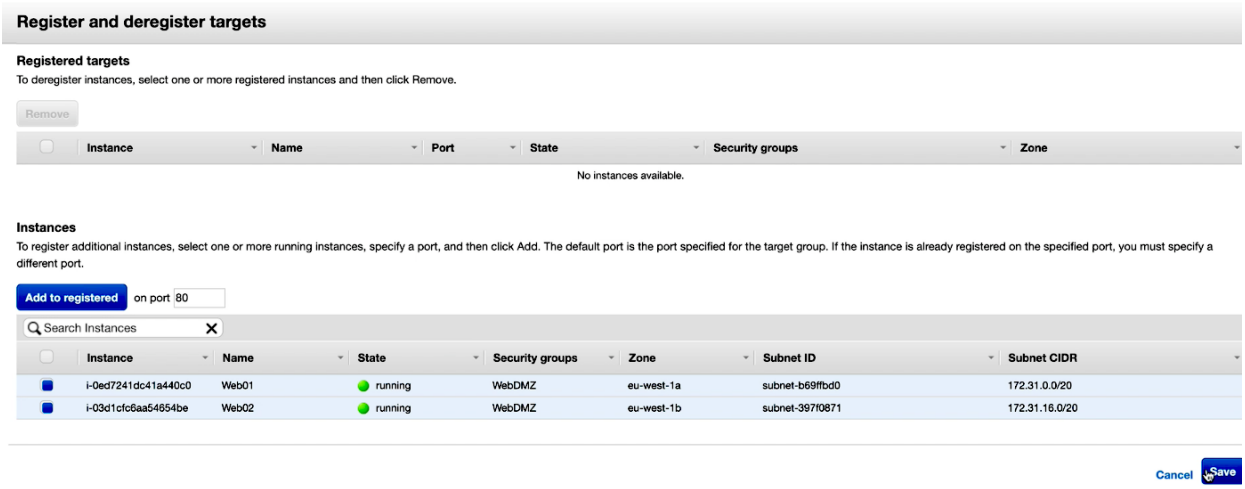
Protocol	HTTP
Path	/index.html

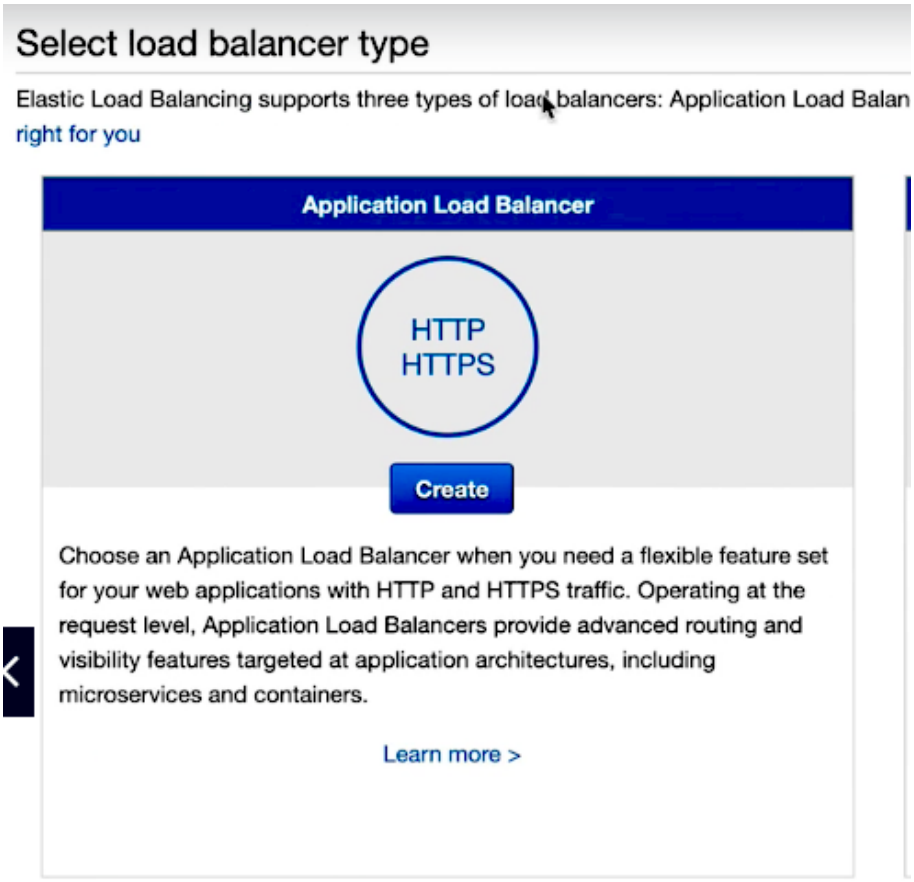
Advanced health check settings

Port	traffic port / override
Healthy threshold	2
Unhealthy threshold	3
Timeout	5 seconds
Interval	5 seconds
Success codes	200




Description
Targets
Health checks
Monitorir
The load balancer starts routing requests to a newly regist
register additional targets. If demand on your targets decr
dit
Registered targets
Instance ID
Nam
Availability Zones


Register and deregister targets
Registered targets
To deregister instances, select one or more registered instances and then click Remove.
Remove
Instance
Name
Port
State
Security groups
Zone
No instances available.
Instances
To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.
Add to registered
on port 80
Search Instances
Instance
Name
State
Security groups
Zone
Subnet ID
Subnet CIDR
i-0ed7241dc41a440c0
Web01
running
WebDMZ
eu-west-1a
subnet-b69ffbd0
172.31.0.0/20
i-03d1cfc6aa54654be
Web02
running
WebDMZ
eu-west-1b
subnet-397f0871
172.31.16.0/20
Cancel
Save



Step 1: Configure Load Balancer

Name	MyALB
Scheme	(•) internet-facing ( ) internal
IP address type	ipv4

Listeners

A listener is a process that checks for connection requests, using the protocol and port that you configured.

Load Balancer Protocol	
HTTP	

Add listener

Availability Zones

Specify the Availability Zones to enable for your load balancer. The load balancer routes traffic to the targets in these Availabi
Zones to increase the availability of your load balancer.

VPC vpc-fe674d98 (172.31.0.0/16) (default)

Availability Zone	Subnet ID	Subnet IPv4 CIDR
eu-west-1a	subnet-b69ffbd0	172.31.0.0/20
eu-west-1b	subnet-397f0871	172.31.16.0/20

Availability Zones

Specify the Availability Zones to enable for your load balancer. The load balancer routes traffic to the targets in these Av
Zones to increase the availability of your load balancer.

VPC vpc-fe674d98 (172.31.0.0/16) (default)

Availability Zone	Subnet ID	Subnet IPv4
eu-west-1a	subnet-b69ffbd0	172.31.0.0/20
eu-west-1b	subnet-397f0871	172.31.16.0/20
eu-west-1c	subnet-a3f455f9	172.31.32.0/20

Step 4: Configure Routing

Your load balancer routes requests to the targets in this target group using the protocol and port that you specify, and per
one load balancer.

Target group

Target group: Existing target group

Name: WebGroup1

Target type: Instance / IP / Lambda function

Protocol: HTTP

Port: 80

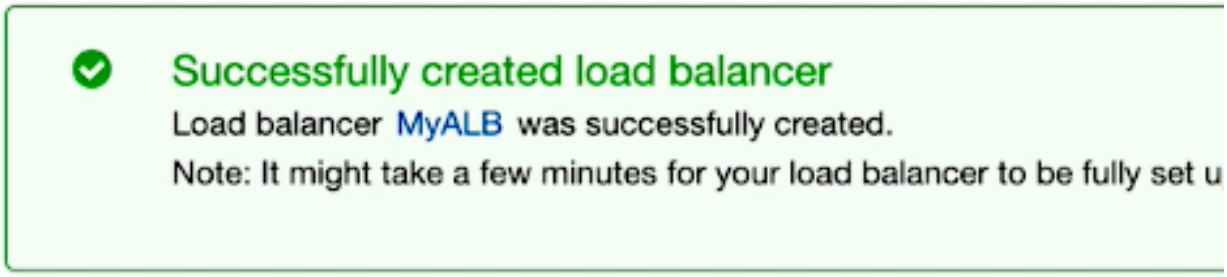
Health checks

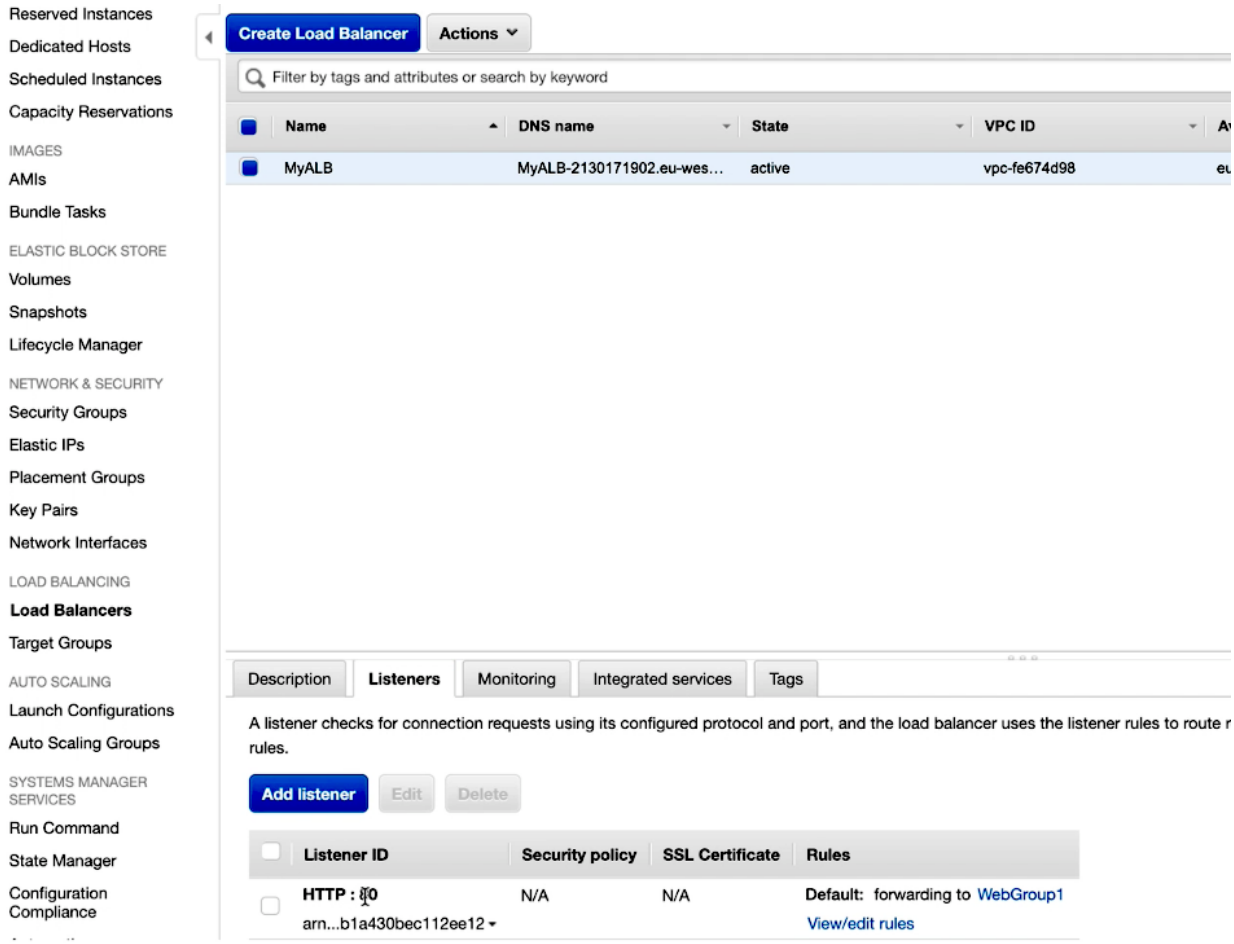
Protocol: HTTP

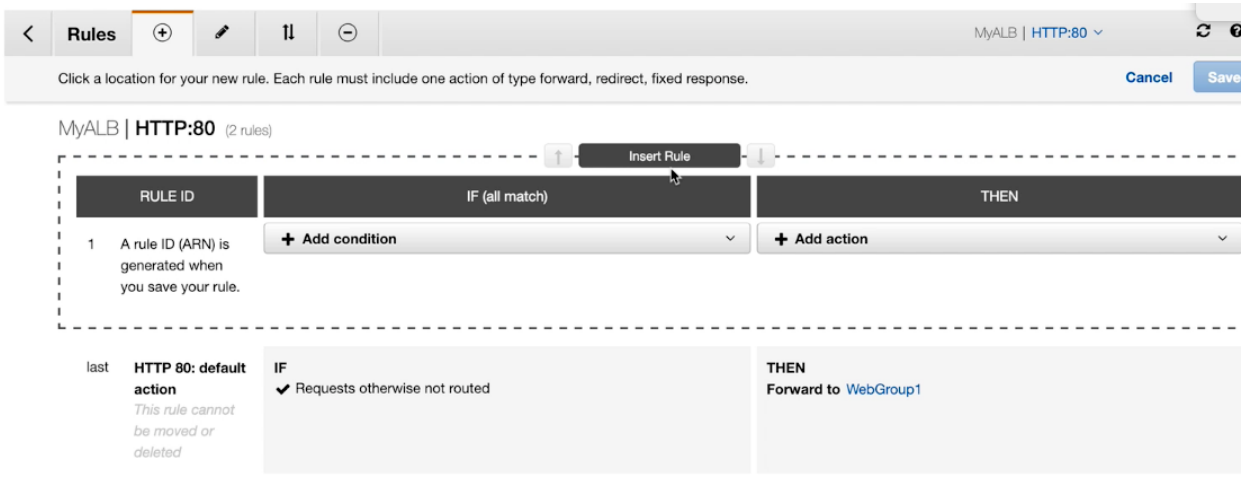
Path: /index.html

▸ Advanced health check settings

Load Balancer Creation Status







3 Different Types Of Load Balancers;

- Application Load Balancers
- Network Load Balancers
- Classic Load Balancers

- 504 Error means the gateway has timed out. This means that the application not responding within the idle timeout period.
- Trouble shoot the application. Is it the Web Server or Database Server?

- If you need the IPv4 address of your end user, look for the **X-Forwarded-For** header.

- Instances monitored by ELB are reported as ; InService , or OutofService
- Health Checks check the instance health by talking to it.
- Load Balances have their own DNS name. You are never given an IP address.
- Read the ELB FAQ for Classic Load Balancers.