

DATE : 30.01.2025
DT/NT : DT
LESSON : AWS
SUBJECT: ELB
(ELASTIC LOAD BALANCING)

BATCH : B 303

AWS-DEVOPS



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AWS EC2

Elastic Load Balancing (ELB)

Elastic Load Balancing (ELB)

What is Elastic Load Balancing (ELB)?

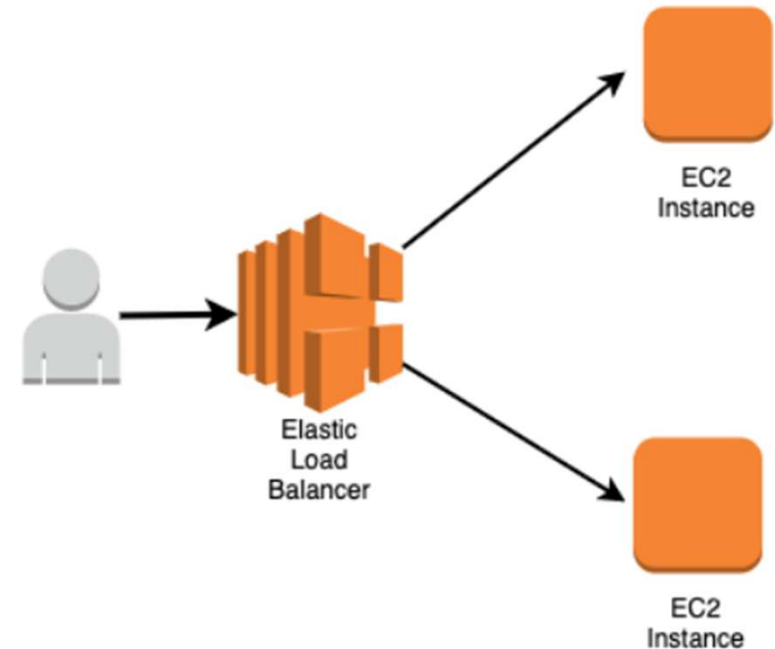
- Distribute workloads
- Distribute incoming application traffic
- Like traffic police



Elastic Load Balancing (ELB)

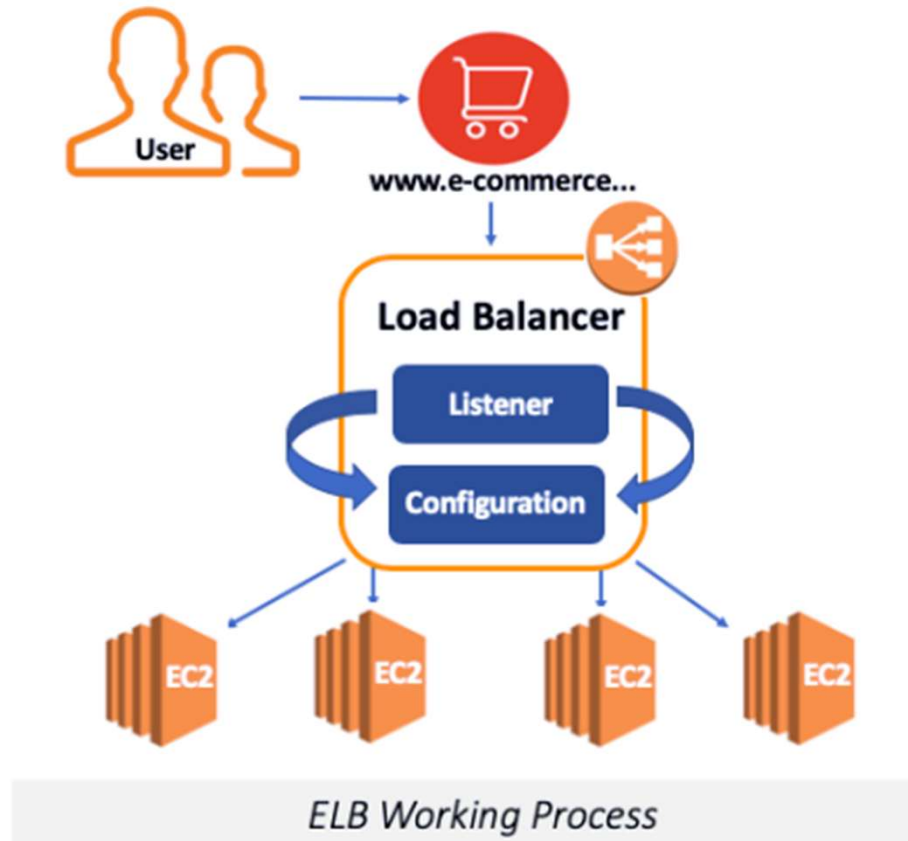
What is Elastic Load Balancing (ELB)?

- ELB (Elastic Load Balancing), as the name suggests, is a service allowing to make the load distribution for your existing resources (instances) in AWS. It automatically distributes incoming application traffic across multiple targets, such as Amazon EC2 instances, containers and IP addresses.



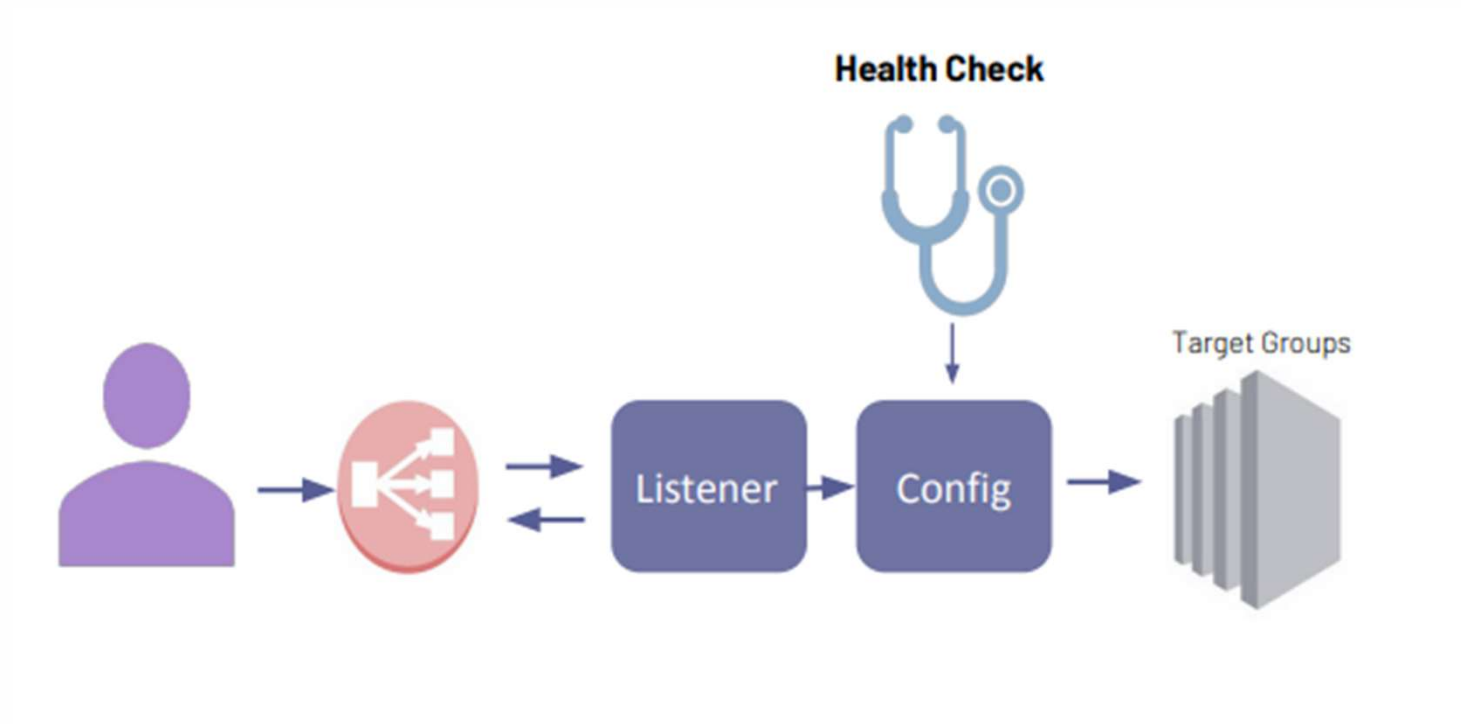
Elastic Load Balancing (ELB)

How ELB works?



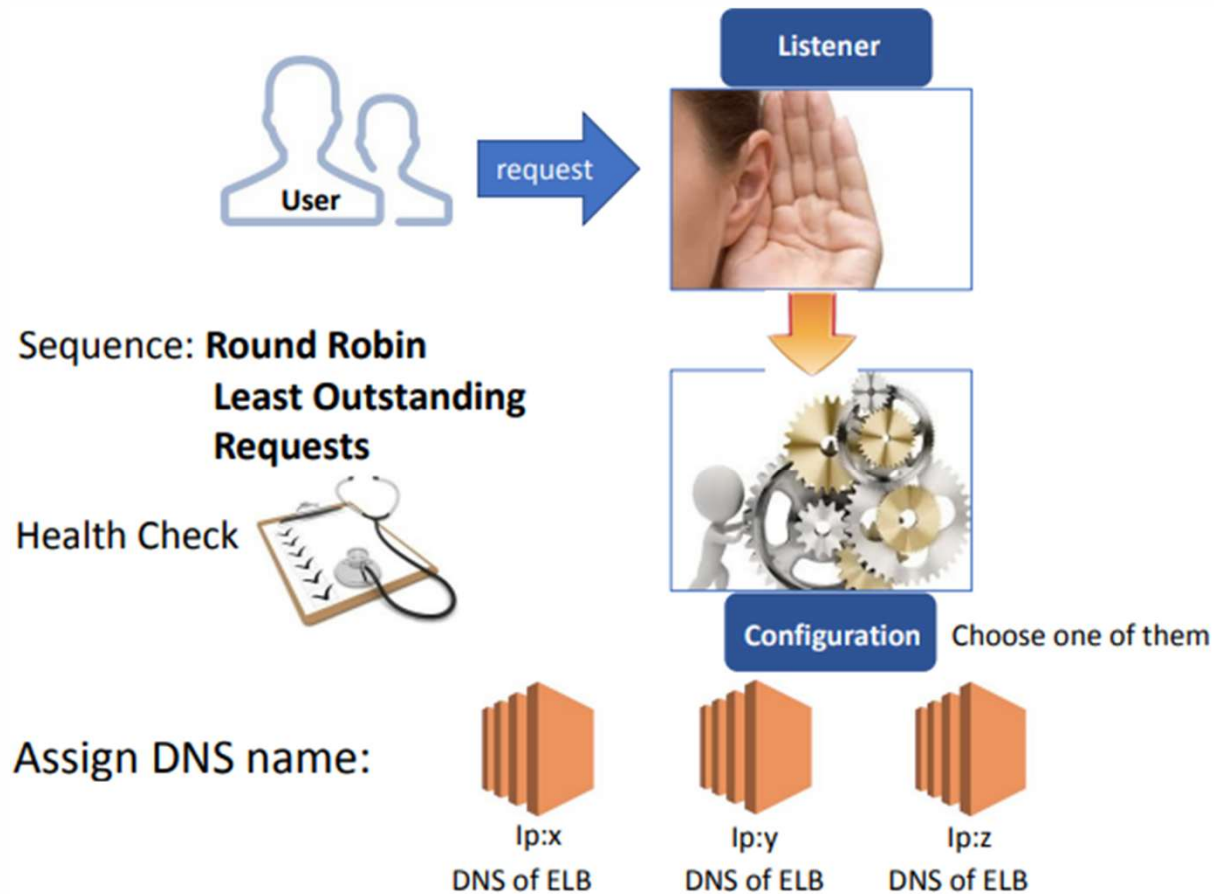
Elastic Load Balancing (ELB)

How ELB works?



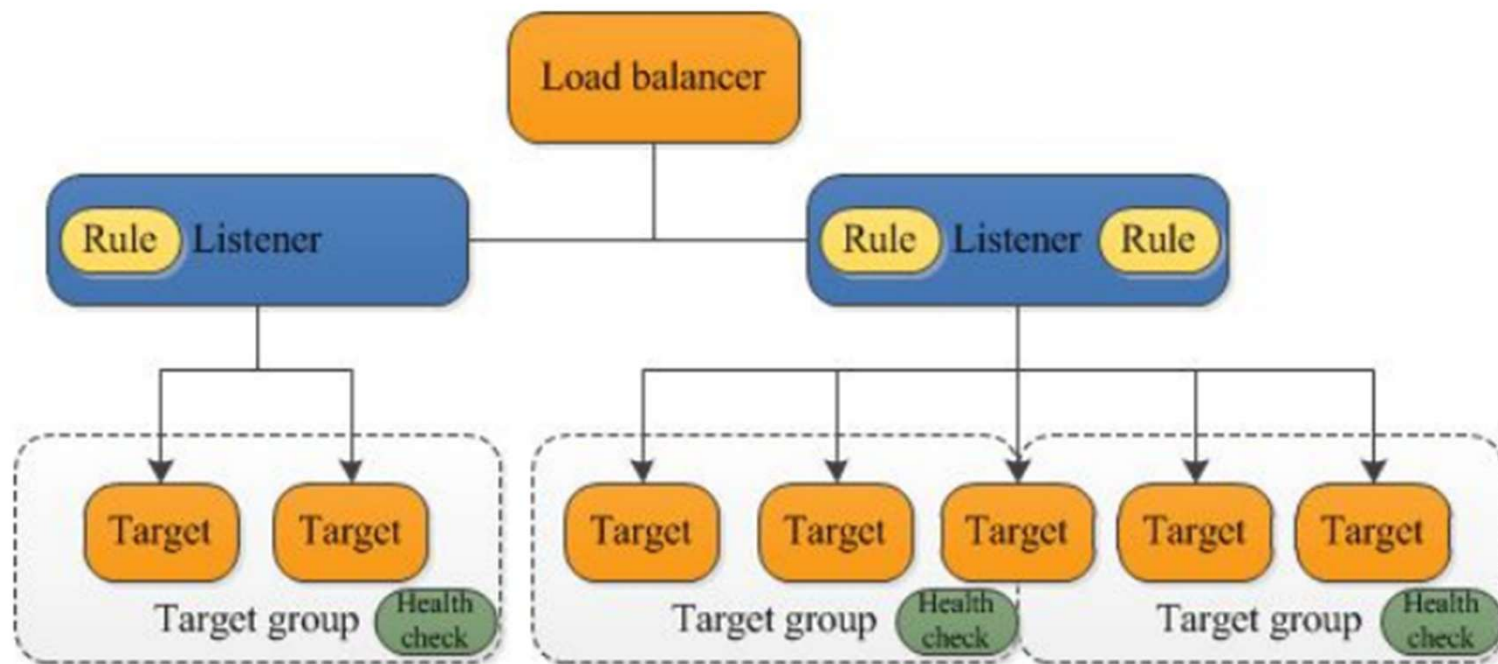
Elastic Load Balancing (ELB)

How ELB works?



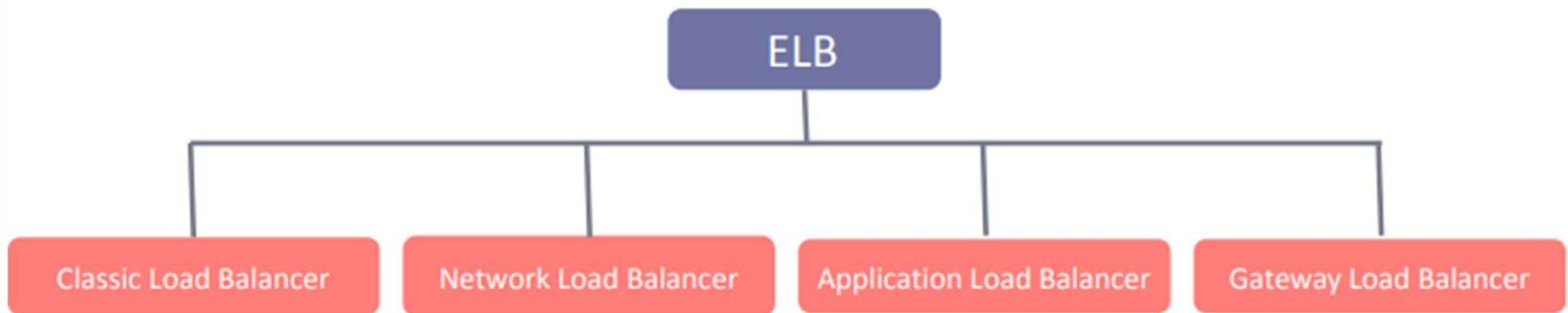
Elastic Load Balancing (ELB)

How ELB works?



Elastic Load Balancing (ELB)

Types of ELB



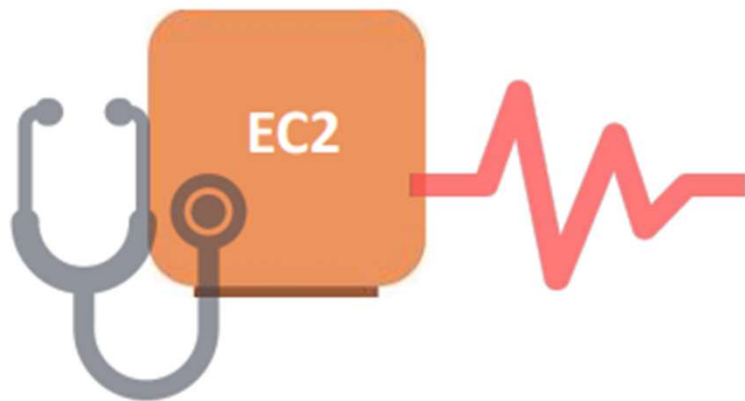
Elastic Load Balancing (ELB)

Types of ELB

	Application Load Balancer	Network Load Balancer	Classic Load Balancer	Gateway Load Balancer
Protocol	HTTP, HTTPS	TCP, TLS, UDP	HTTP, HTTPS and TCP, TLS/SSL	IP
Use case	Control of HTTP and HTTPS traffic.	TCP traffic when high performance is required.	Classic Load Balancer can do what others do	Gateway for distributing traffic across multiple virtual appliances

Elastic Load Balancing (ELB)

Health Checking



Elastic Load Balancing (ELB)

Health Checking



Elastic Load Balancing (ELB)

Health Checking



Timeout = 5 sec

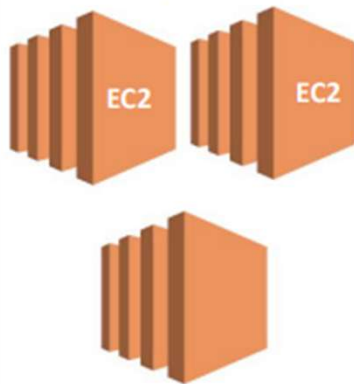


Elastic Load Balancing (ELB)



Launch Template

1



Register instance
+++

3



Target Group = EC2 Pool=Reserve

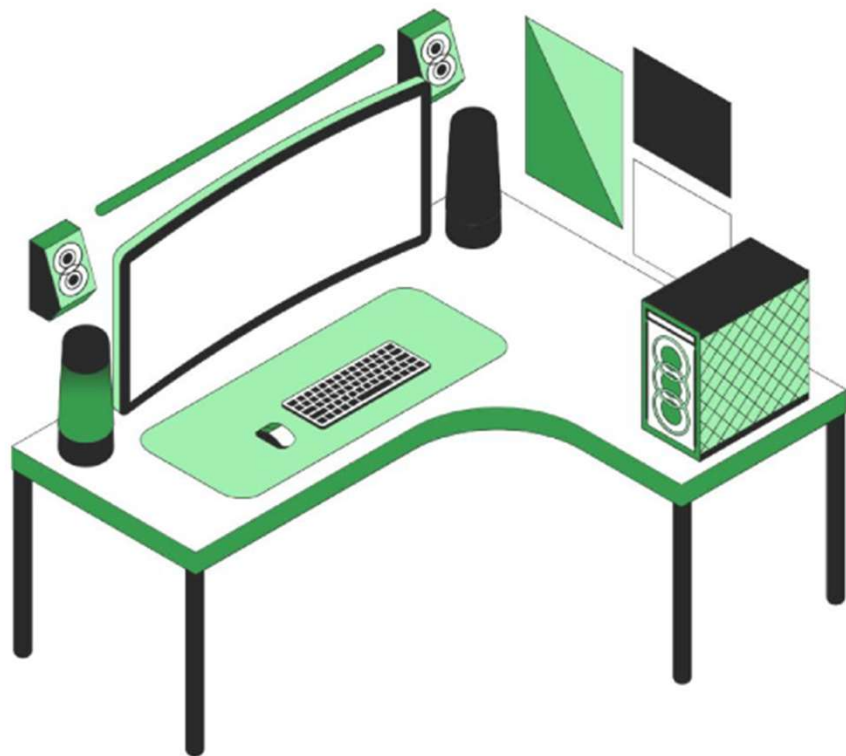
2



4

Load Balancer





Do you have any questions?

Send it to us! We hope you learned something new.