



BATCH : 149
LESSON : AWS
DATE : 11.08.2023
SUBJECT : ELB



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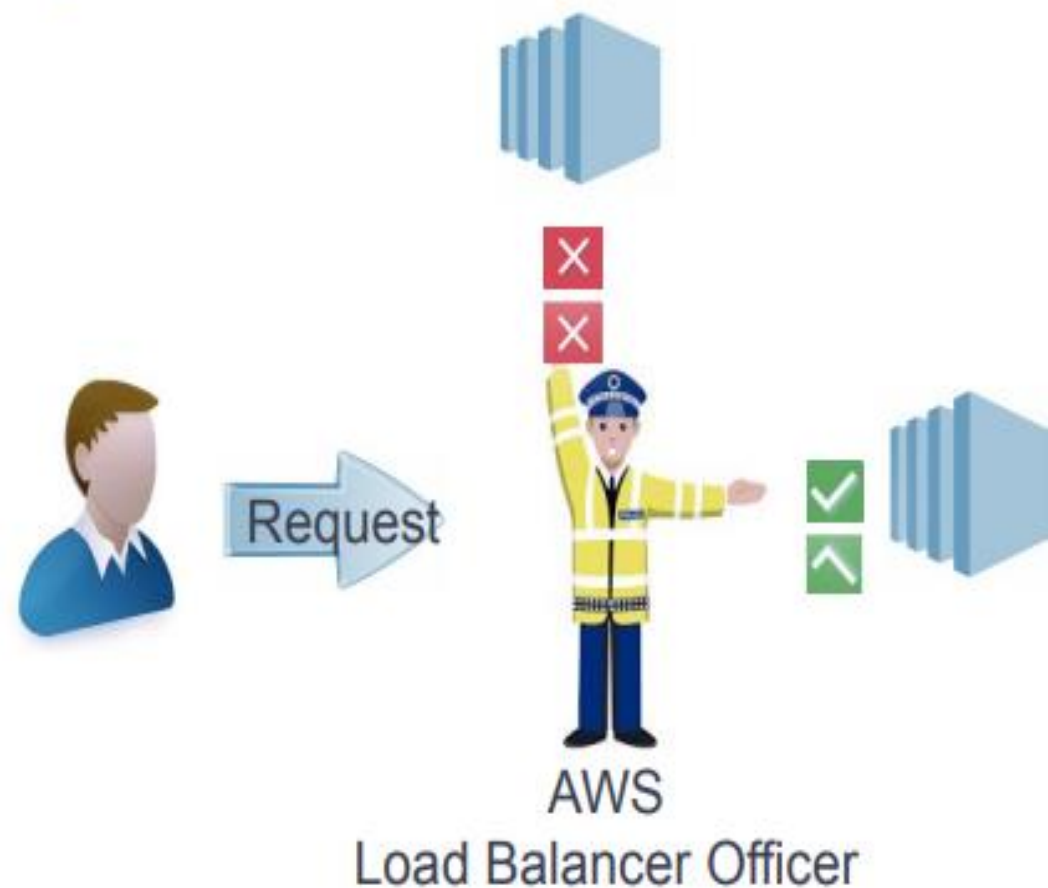


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Elastic Load Balancing (ELB)

What is Elastic Load Balancing (ELB)?

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





www.e-commerce...



Publishing the website

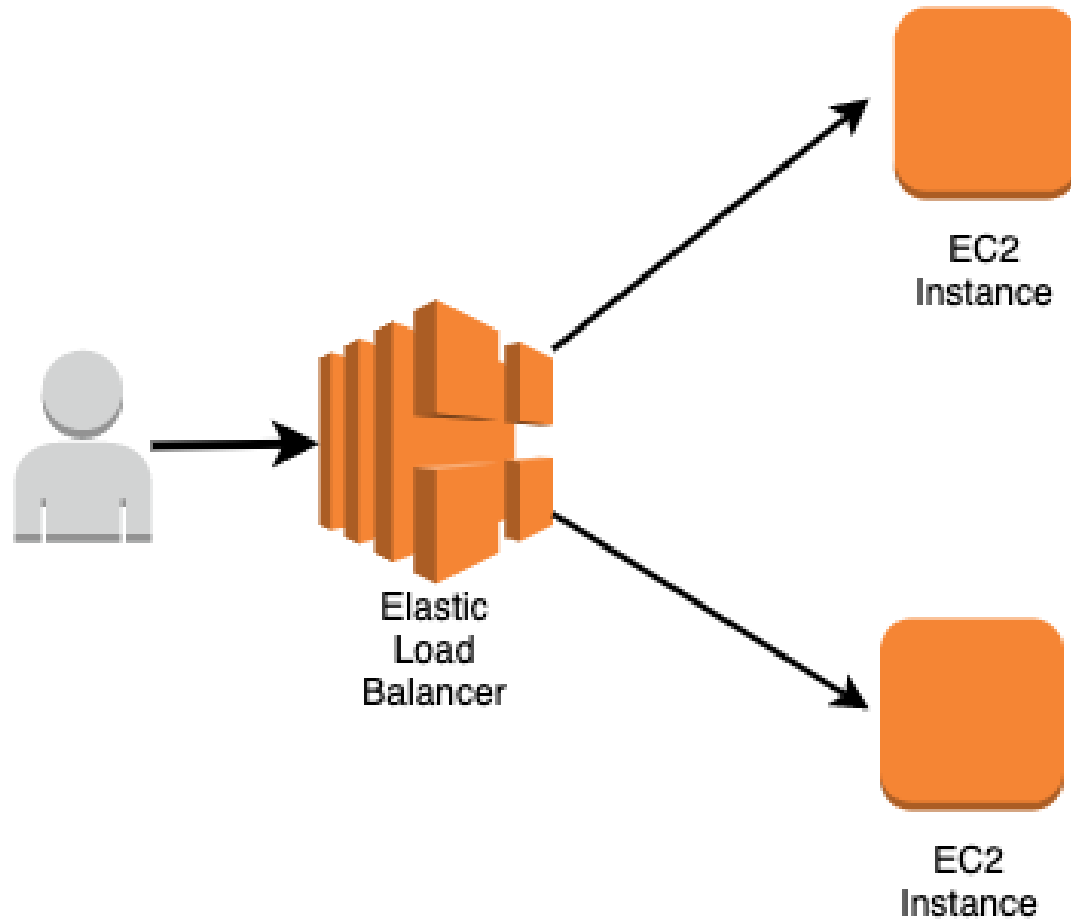


aws





AWS Elastic Load Balancer (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.



AWS Elastic Load Balancer (ELB)

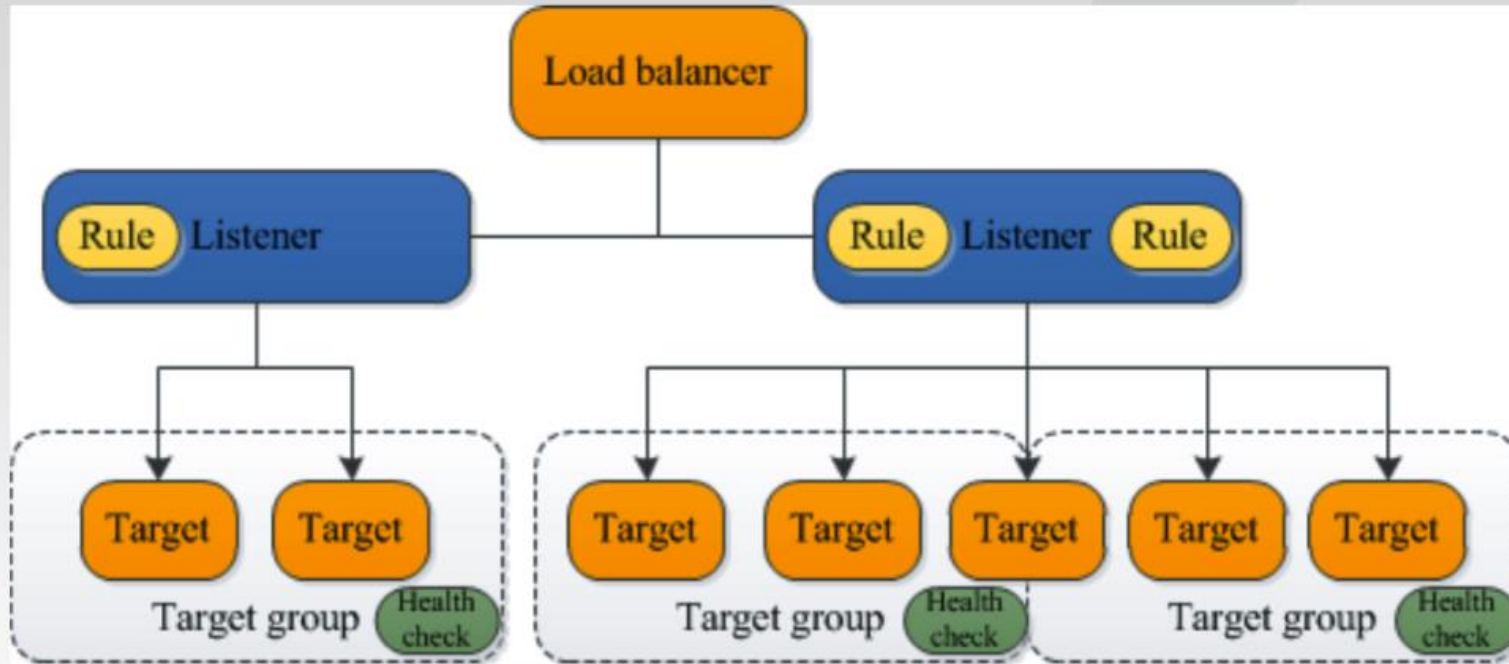


ELB Working Process

- ELB (Elastic Load Balancing) is basically a network service that we can direct the incoming traffic to Load Balancer instead of direct virtual machines.



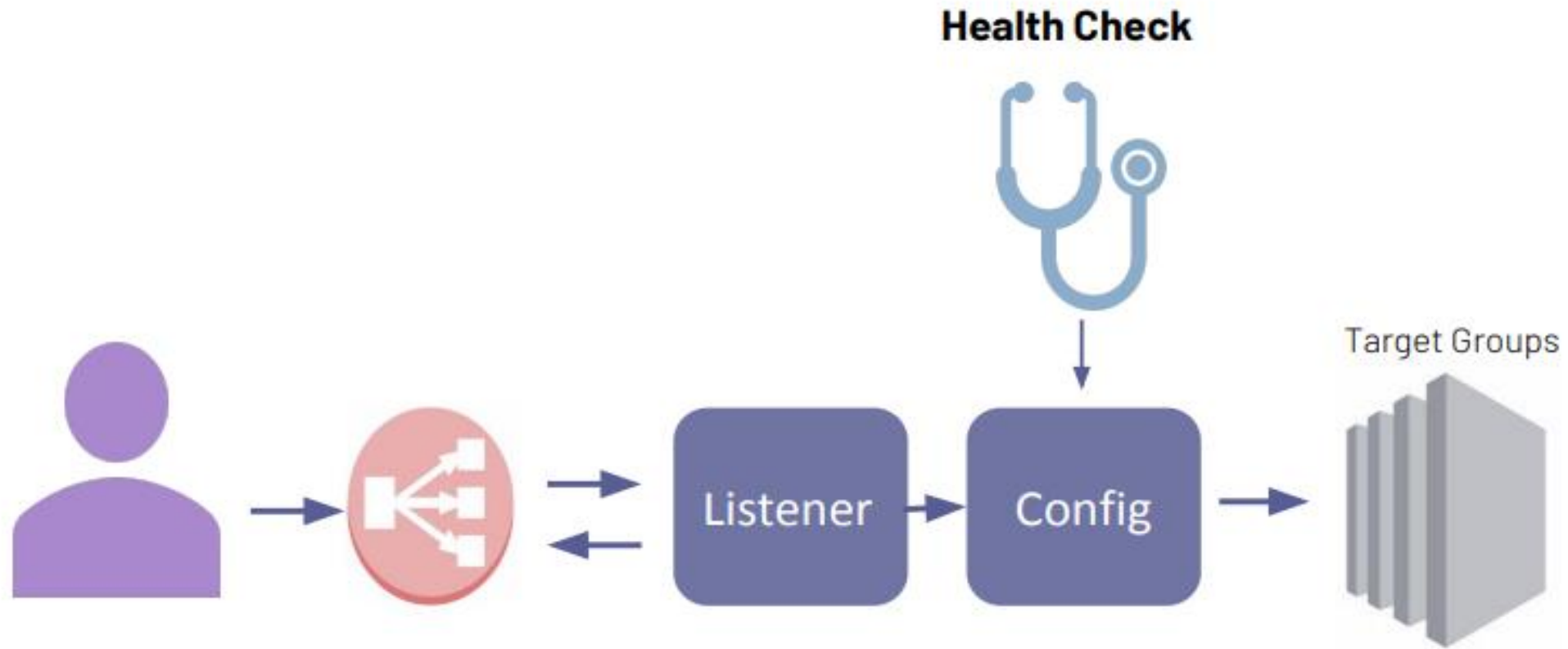
AWS Elastic Load Balancers



- ▶ A *listener* checks for connection requests from clients, using the protocol and port that you configure.

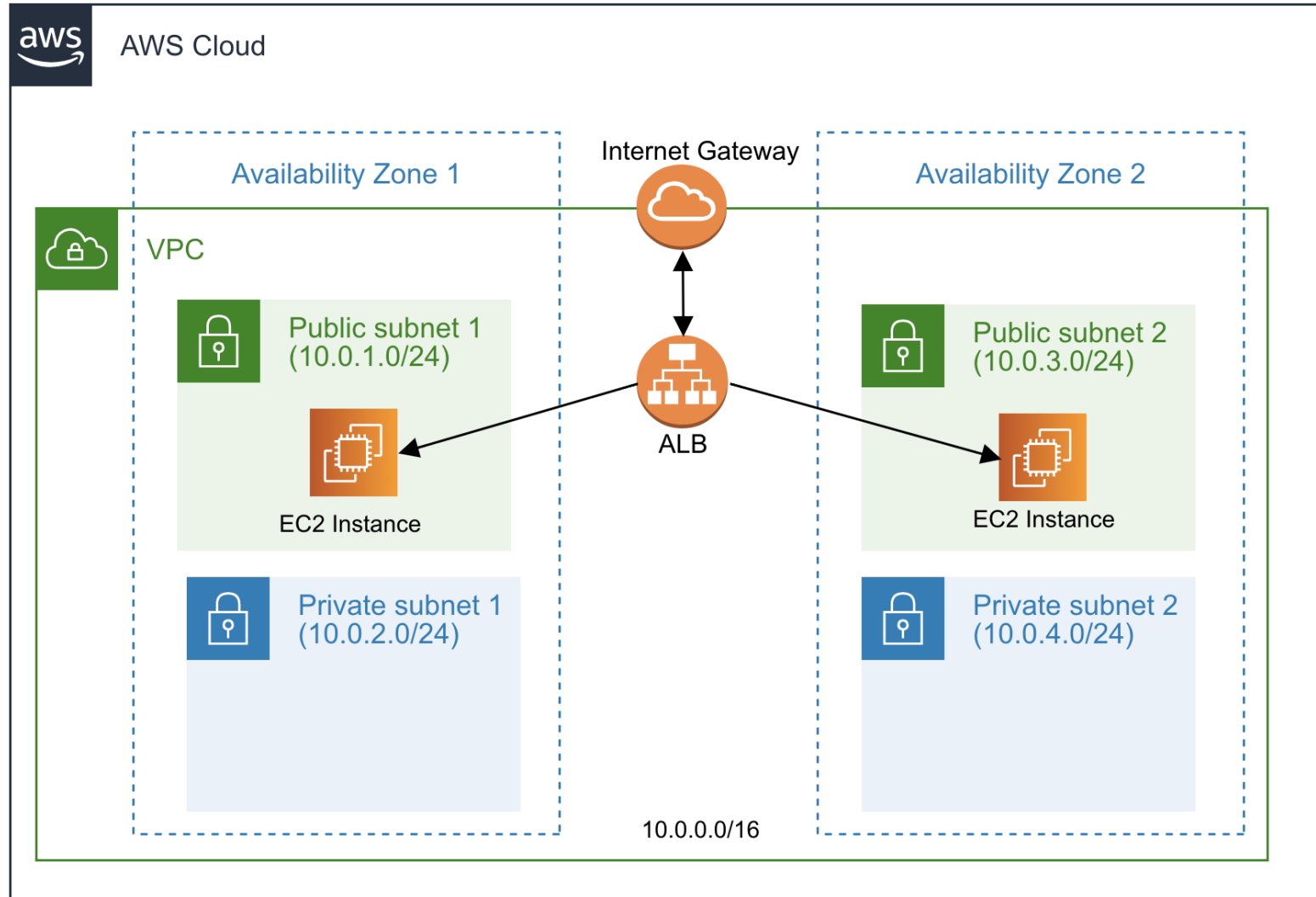
Elastic Load Balancing (ELB)

How ELB works?





AWS Elastic Load Balancer (ELB)





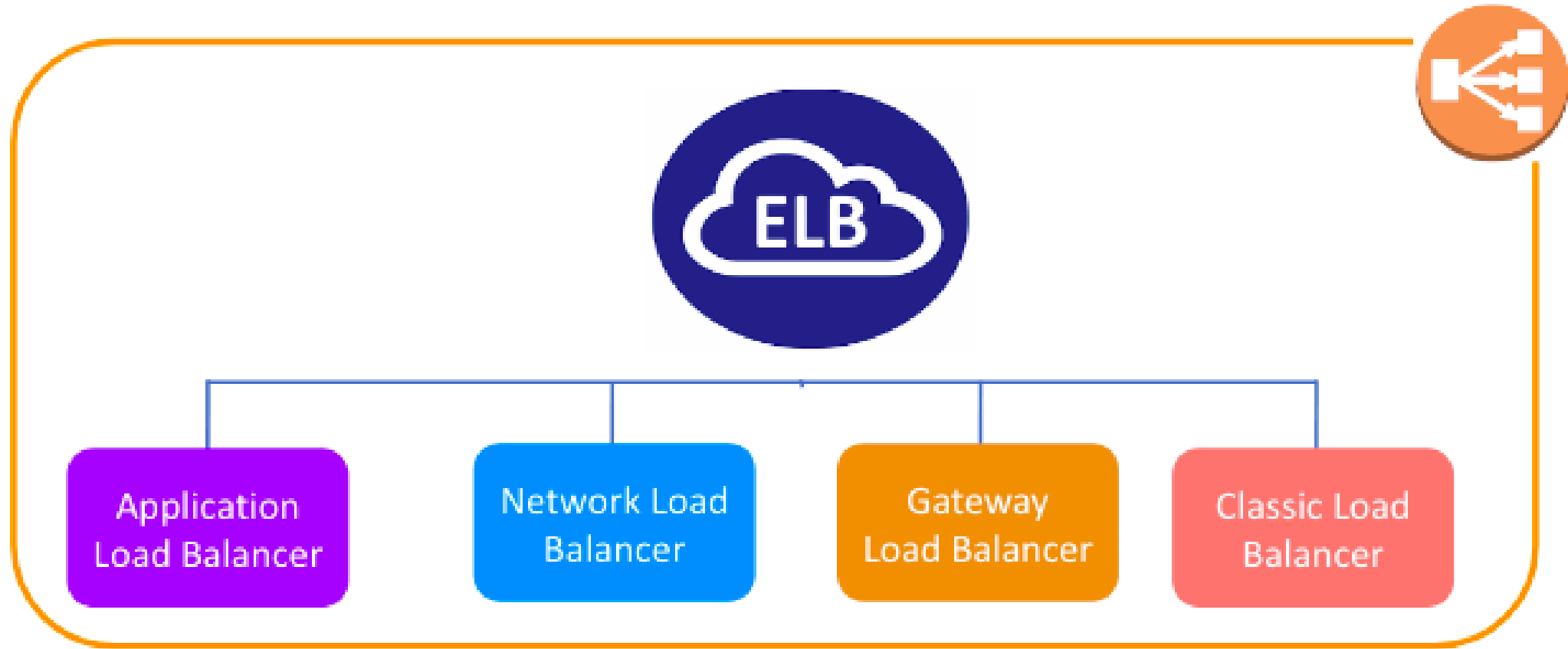
Elastic Load Balancing (ELB)

Health Checking





AWS Elastic Load Balancer (ELB)





AWS Elastic Load Balancer (ELB)

	Application Load Balancer	Network Load Balancer	Gateway Load Balancer	Classic Load Balancer
Type	Layer 7	Layer 4	Layer 3/ Layer 4	Layer 4/ Layer 7
Listener	HTTP, HTTPS	TCP, UDP, TLS	IP	TCP, SSL/TLS, HTTP, HTTPS



Launch Template

1



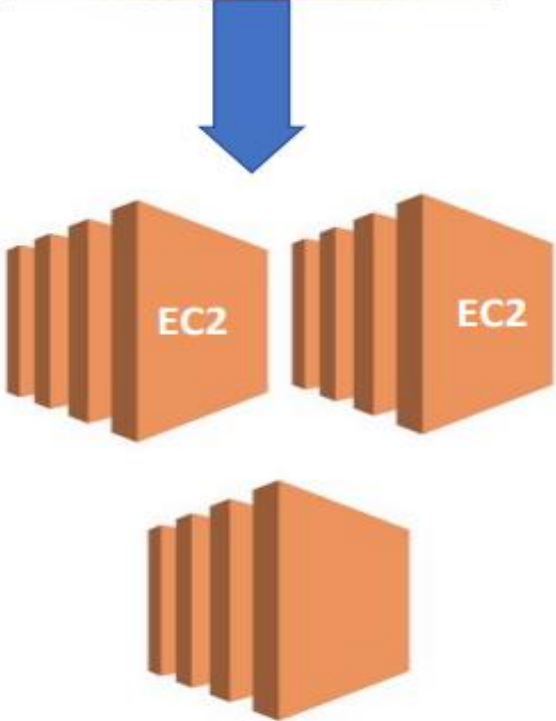
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Load Balancer

3

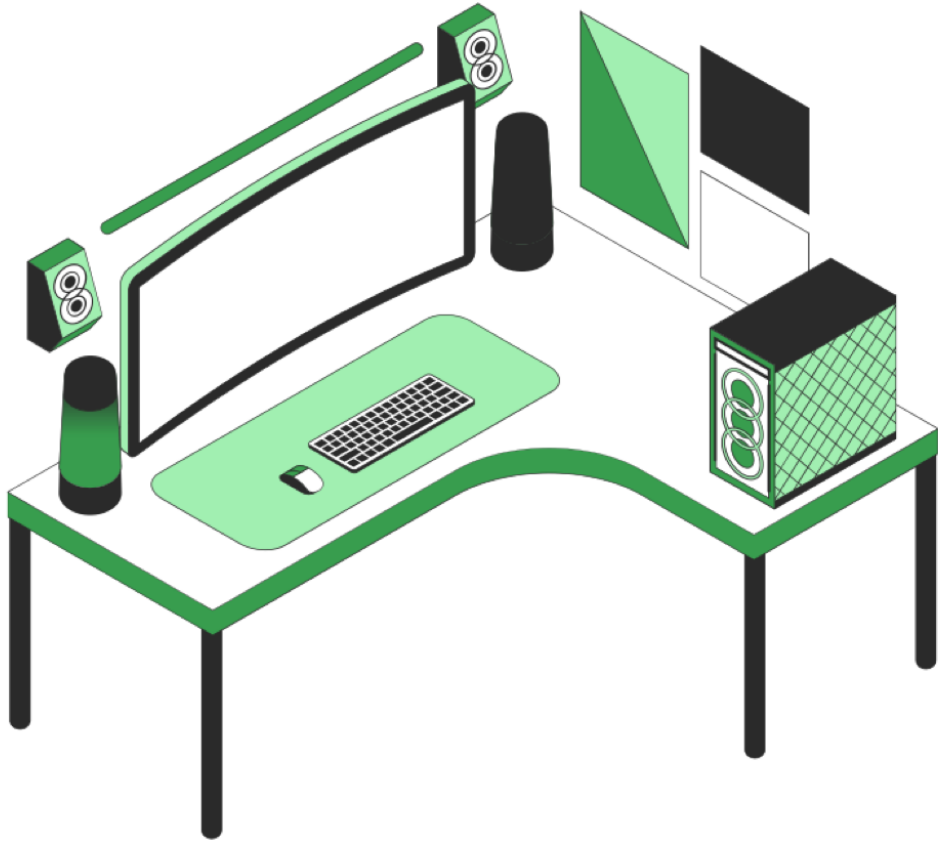
Register instance

+++



Target Group = EC2 Pool=Reserve

2



Do you have any questions?

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

