



www.e-commerce...



Publishing the website



aws



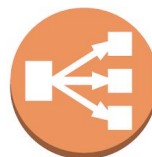
- Web Server work in EC2 machine



8 gb

8gb

8gb



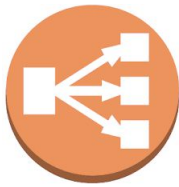
Load
Balancer



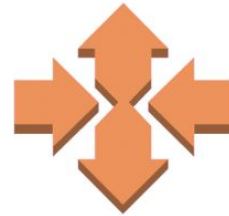
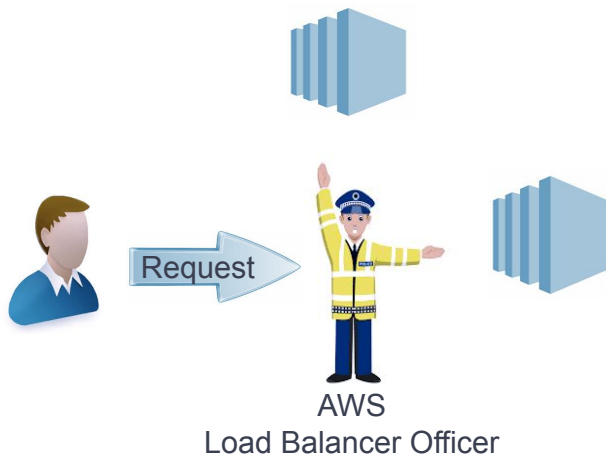
DNS

Health CHECK

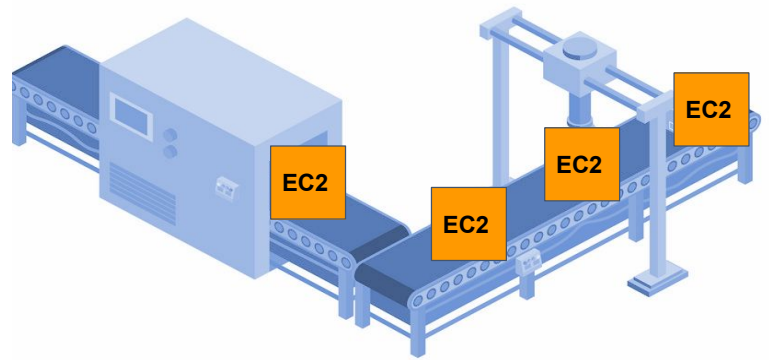
Distribute



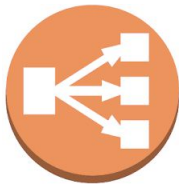
Load Balancer



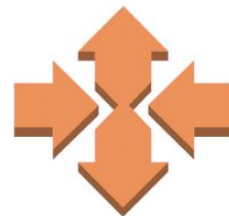
Auto Scaling



New instance creating capability

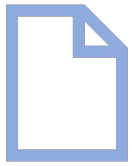


Load Balancer



Auto Scaling



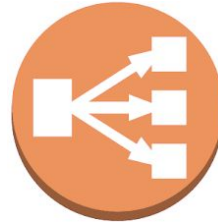


Launch Template

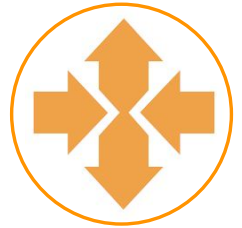
Launch Configuration



TARGET GROUP



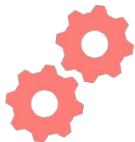
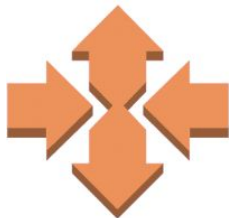
Load Balancer



Auto Scaling
GROUP

Auto Scaling says “Give me INSTANCE SAMPLE”

Plaster Mold



+ + +

Launch Template +
Launch Configuration +

HEALTHY THRESHOLD



Unhealthy

INTERVAL= 10 SEC

CONSECUTIVE SUCCESSFUL HEALTH CHECK

1

2

3



Healthy

UNHEALTHY THRESHOLD

Timeout =5 sec



Healthy



CONSECUTIVE FAILED HEALTH CHECK

1

2

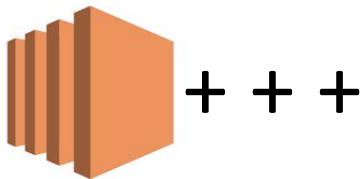


Unhealthy



Target Group

Load Balancer



REGISTERING
Manually



Target Group = Pool

Load Balancer
+ Auto Scaling

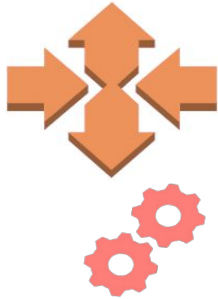




Launch Template 1 Launch Configuration

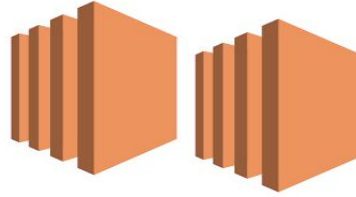


Auto Scaling



4

+ + +



Target Group = Pool

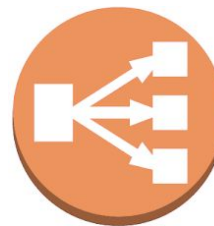
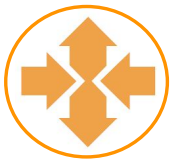
2



3

Load Balancer

Water level is dynamic



Auto Scaling

TARGET GROUP

Load Balancer

az-1>>>>>

az-1>>

az-1

az-2>>>

az-2>>>

az-3

.az-3

az-3

.az-4

az-4

.az-5

az-5>>

az-5

az-6

az-6

az-6

Health Check Grace Period & Cooldown Period

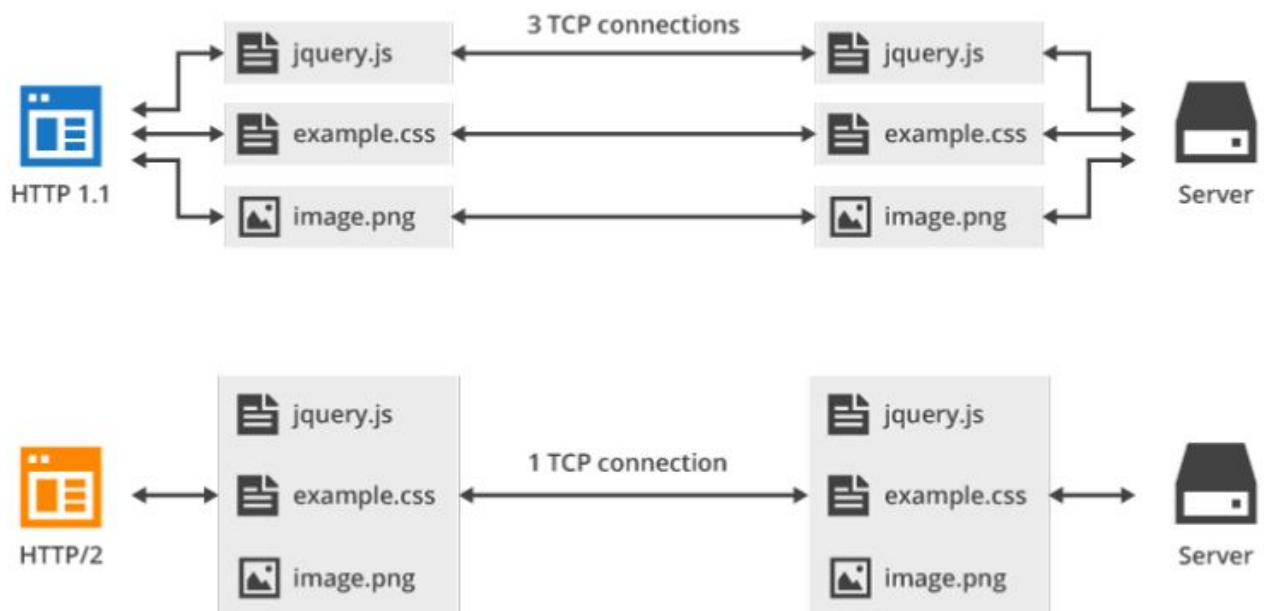
Muddy Sandy Sea Bottom in first seconds of diving



Clear Sea Bottom after waiting for a while



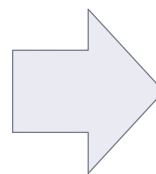
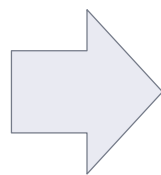
Multiplexing





- triggered by exceeding the limits
- we watch out the limits

can trigger ➤



Instances	Desired	Min	Max
Current 3	Will be/ Goal 6	Min limit for Policy1	Max limit for Policy5

