www.e-commerce...

THE Chocolate MARKET

Publishing the website

aws

EC2

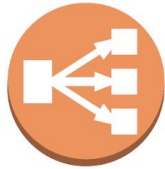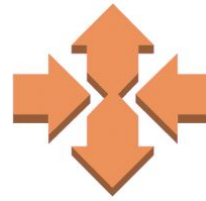- Web Server work in EC2 machine

NGINX

8 gb   8gb   8gb

EC2   EC2   EC2
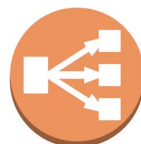
Load
Balancer

DNS   Health CHECK

Distribute

Load Balancer

Request

AWS
Load Balancer Officer

Auto Scaling

EC2

EC2

EC2

EC2
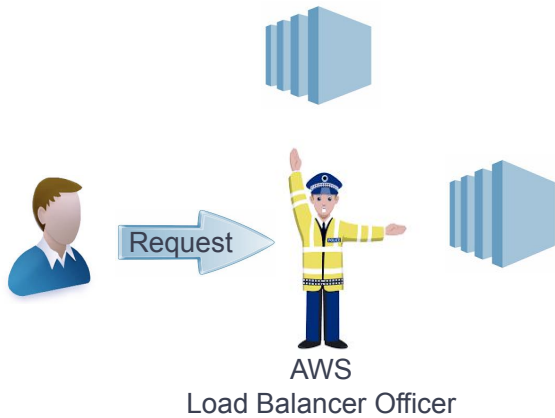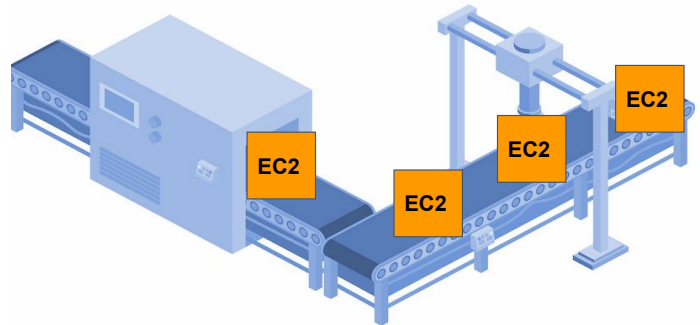
New instance creating capability

Load Balancer

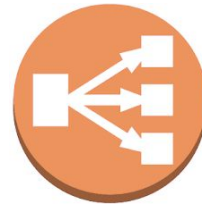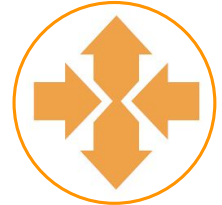**Auto Scaling**

Tango & Cash
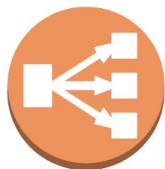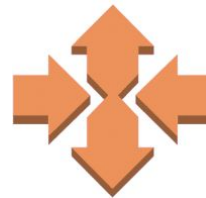
Launch Template
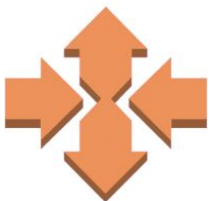**Launch Configuration**   **TARGET GROUP**   **Load Balancer**   **Auto Scaling GROUP**

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

Healthy

CONSECUTIVE FAILED HEALTH CHECK
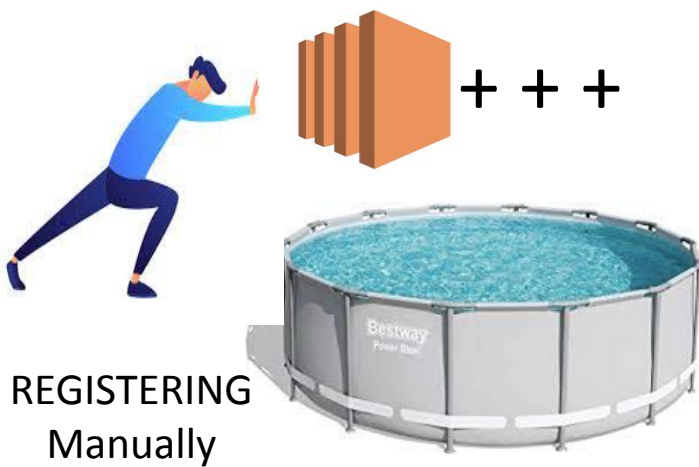
1 2

Unhealthy

Timeout =5 sec

Target Group

Load Balancer

+ + +

REGISTERING Manually

Target Group = Pool

Load Balancer + Auto Scaling
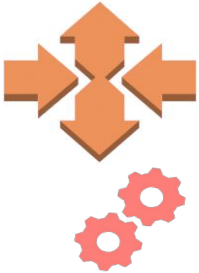
Empty

Launch Template
Launch Configuration 1

Auto Scaling 4

Load Balancer

Water level is dynamic

+ + +

Target Group = Pool

2

Auto Scaling

az-1>>>>>

az-2>>>

.

.

.

az-6

TARGET GROUP
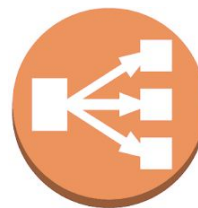
az-1>>>>

az-2>>>

az-3

az-4

az-5>>

az-6

Load Balancer

az-1

az-2
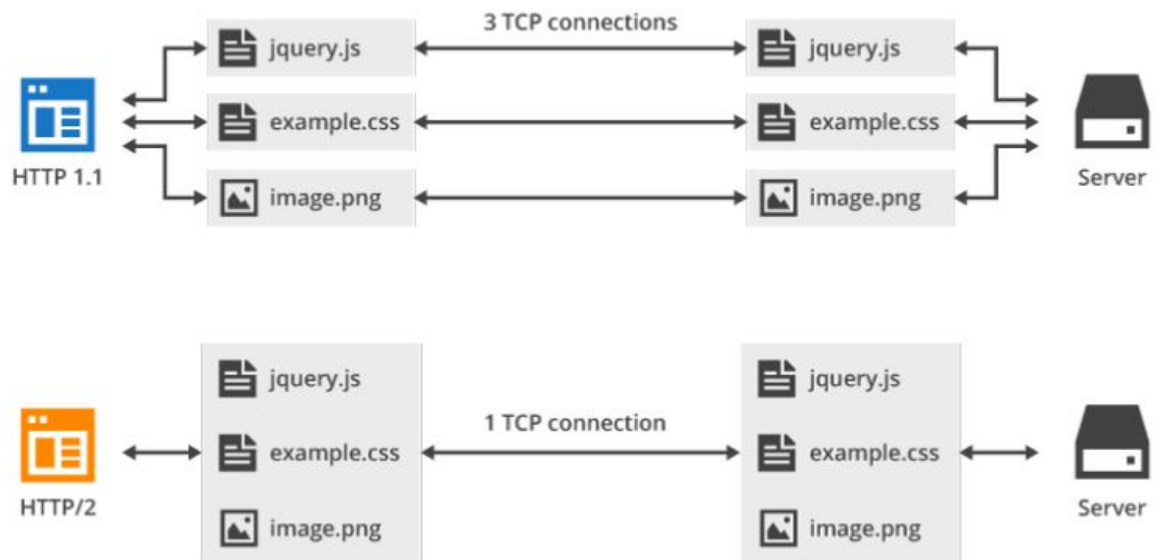
az-3

az-4

az-5

az-6

Health Check Grace Period

Muddy Sandy Sea Bottom in first seconds of diving

Clear Sea Bottom after waiting for a while

1

Launch

2

Waiting for "Health Check Grace Period"

3

Health Check

Multiplexing

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

Auto Scaling group

Minimum size   Scale out as needed

Desired capacity

Maximum size