Auto scaling group & load balancer EC2

Go to the **EC2**

Click **auto scaling group**

**Create auto scaling group**

Put name

**AS-group-LC**  Im using **launch configuration**

Click **switch to launch configuration**

Now you see the create and select launch configuration

If you have **already configuration** file then only select them

Select **create configuration**

Put name :- **LC-new-instance**

Now you see the select **AMI id** first launch any instance select instance now you see the AMI id to this instance paste and select now

**Amazon image id :- ami-0de5311b2a443fb89**

**Instance type :- t2 micro** --- bcoz this is free

Select **advance option**

Now you see the **user data** put the script for checking when we configure

#!/bin/bash

sudo amazon-linux-extras install nginx1

sudo systemctl start nginx

sudo systemctl enable nginx

cd /usr/share/nginx/html

sudo wget https://www.free-css.com/assets/files/free-css-templates/download/page285/evonyee.zip

sudo unzip evonyee.zip

**Security group**

Select **existing group** -- if you have group then select

If you don’t have **group t**hen **create first**

**Key pair** --- if you don’t have key then **create first**

**Launch configuration**

**Back to the auto scaling group**

**Refresh** ---now you see the launch configuration file

**Next**

Select **subnet**

Select **3 subnet** ----- bcoz of backup that why **select 3**

Select **no load balancer**

**Next**

**Goup size**

**Desired capacity :- 2** --- max 2 instance are running at a time

**Minimum capacity:-1** --- if agr koi instance terminate kiya to vo automatic launch krenga

**Maximum capacity:- 5** ---- 5 k uppr traffic nhi jayenga out of 5 trafic nhi jayenga

**Next**

**Next** -- if you select notification also

**Next** --- you set tag also

**Create auto scaling group**

**Go to instance --**Now you see the 2 instance automatic launch

You want to check the instances is properly running or not put ip host now you see the nginx page or web site host

**if you want to delete the instance then automatic create new instance if you want to stop then go to the autoscaling group and delete now**

# load balancer with launch tamplate

Click **auto scaling group**

**Create auto scaling group**

Put name

**new-LT**

click **create a launch template**

**my-template-LT**  --- this is name

**my-template-LT**  ---- this is description

**quick start** ---- ami select

**instance type :- t2 micro**

**select key :- newkey**

select **group**  -- if you have a group then select

if you don’t have a group then **create first**

go to the **advance details**

put script to the **user data**

#!/bin/bash

sudo amazon-linux-extras install nginx1

sudo systemctl start nginx

sudo systemctl enable nginx

cd /usr/share/nginx/html

sudo wget https://www.free-css.com/assets/files/free-css-templates/download/page285/evonyee.zip

sudo unzip evonyee.zip

**create launch template**

**back to the autoscaling group**

**next**

Select **subnet**

Select **3 subnet** ----- bcoz of backup that why **select 3**

Select **attach a new load balancer ----- if you have load balncer you select also**

**Next**

**Select application load balancer**

**Load balancer scheme**:- **internet-facing**

**Put name :- LT-new-one**

**Select default routing**

**Create target group --**if you don’t have a target group

**Goup size**

**Desired capacity :- 2** --- max 2 instance are running at a time

**Minimum capacity:-1** --- if agr koi instance terminate kiya to vo automatic launch krenga

**Maximum capacity:- 5** ---- 5 k uppr traffic nhi jayenga out of 5 trafic nhi jayenga

**Next**

**Next** -- if you select notification also

**Next** --- you set tag also

**Create auto scaling group**

Go to the **EC2**

Now you see the **two instance** are running - bcoz we set 2 desired capacity that’s why

If you want to check the load balancer is properly run or not then go to the load balancer

**Click name :-** now you see the **DNS** copy this

**And paste new tab now you see the server is running**