Assignment 4 :: Configure Autoscaling with 60% threshold CPU utilization metrics

Step 1 :: Create a template to launch instances automatically

A screenshot of a computer

Description automatically generated

Note: I have added a bash script to create an instance with pre-installed http and print its fqdn. (Need to add in “Advance Details” Tab)

#!/bin/bash

yum install -y httpd

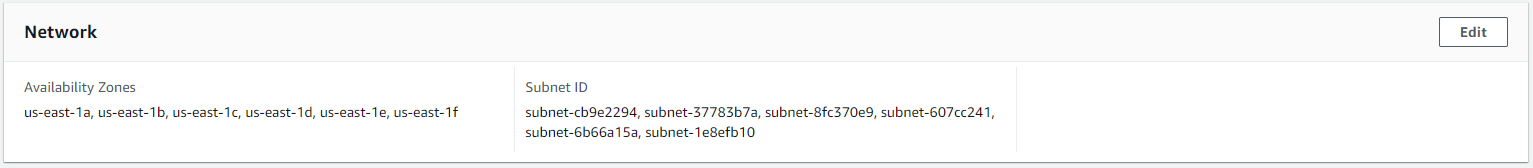
systemctl enable --now httpd

echo “Hello World from $(hostname -f)” > /var/www/html/index.html

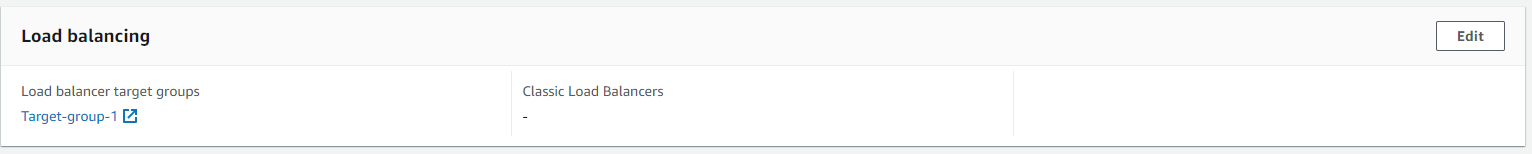
Text

Description automatically generated

Step 2 :: Select the VPC and Subnets required



Step 3 :: Attach the existing Load Balancer or create a new Load Balancer and attach the same here. I have attached the existing one.



Step 4 :: Set the desired Group Size. I have set

Desired Capacity – 1

Minimum Capacity – 1

Maximum Capacity – 5

Graphical user interface, application

Description automatically generated

Step 5 :: Skip the remaining and submit. We will get the ASG as below

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Step 6 :: Click on the Automatic Scaling tab and create policies as below

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Result :

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Increasing the CPU Utilization

# yes > /dev/null & 🡪 Run in terminal to increase the CPU utilization

It automatically created a new instance and added to Target Group as well

Graphical user interface, text, application, Word

Description automatically generated

A screenshot of a computer

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Graphical user interface, text, application

Description automatically generated

Text

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