Assignment3 :: Configure Application Load balancer with two EC2 instances

Step 1: Created three instances and created a page which will display the IP address

#!/bin/bash

yum update -y

yum install -y httpd

systemctl enable --now httpd

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

Instance 1 :: Assignment\_3\_WebServer\_1

A screenshot of a computer

Description automatically generated

Instance 1 Webpage

Graphical user interface, application

Description automatically generated

Instance 2 :: Assignment\_3\_WebServer\_2

A screenshot of a computer

Description automatically generated

Instance 2 Webpage

Graphical user interface, application, website

Description automatically generated

Instance 3 :: Assignment\_3\_WebServer\_3

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Description automatically generated

Instance 3 Webpage

Graphical user interface, application, Word

Description automatically generated

Step 2 : Application Load Balancer ::

Step 2.1 : Load Balancer Security Group :: Inbound Rules

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Load Balancer Security Group :: Outbound Rules

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Step 2.2 : Load Balancer Target Group 1 ::

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Load Balancer Target Group 2 ::

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Step 2.3 : Creating an Application Load Balancer ::

**Note: I have attached only TargetGroup1**

Graphical user interface, text, application

Description automatically generated

Step 2.4: Attaching the second target group to Listener

Goto Load Balancer page and select the Listeners tab -> Edit the existing listener

Graphical user interface, text, application

Description automatically generated

Add new rules as below

Graphical user interface, website

Description automatically generated

Result 1:

Graphical user interface, application, Word

Description automatically generated

Result 2:

Graphical user interface, application, Word

Description automatically generated

Result 3:

Graphical user interface, text

Description automatically generated

Result 4:

A screenshot of a computer screen

Description automatically generated