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**COURSE: CLOUD COMPUTING** 

# MINI-PROJECT 2

## PROBLEM STATEMENT

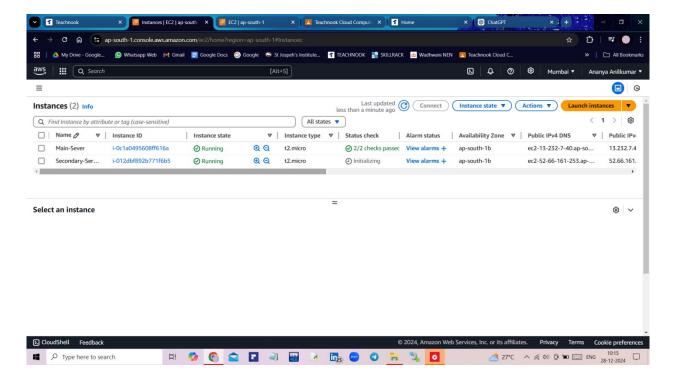
To achieve horizontal scaling, configure your load balancer so that it directs traffic to different servers upon each refresh. By hosting two distinct versions of your website on separate servers, you can easily verify that the scaling is functioning properly. As you refresh the page, the load balancer will alternate between the servers, demonstrating the balanced distribution of requests.

# **AWS SERVICES USED:**

- ◆EC2
  - **♦ INSTANCES**
  - **♦ TARGET GROUPS**
  - **♦ LOAD BALANCERS**

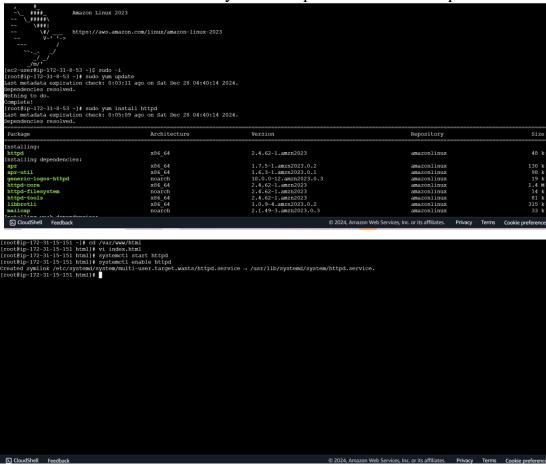
#### STEP 1:

Create two LINUX servers using EC2 instances as shown below one named Main-Server while the other named as Secondary-Server in this case.



#### STEP 2

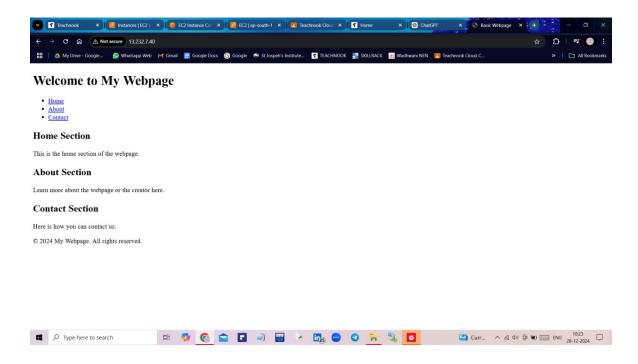
In Main-Server and the Secondary-Server upload different sample websites.



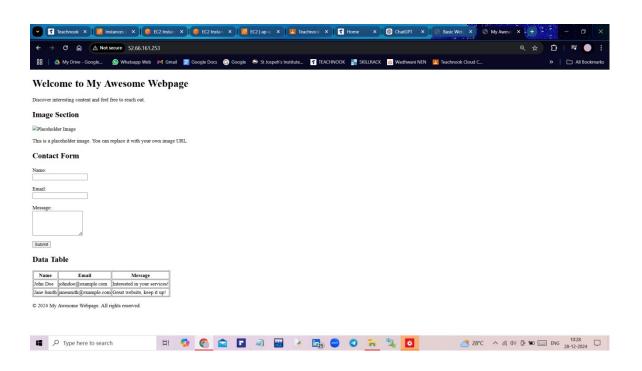
### STEP 3:

Copy the Public IPv4 address and paste it in the browsers.

### Main Server

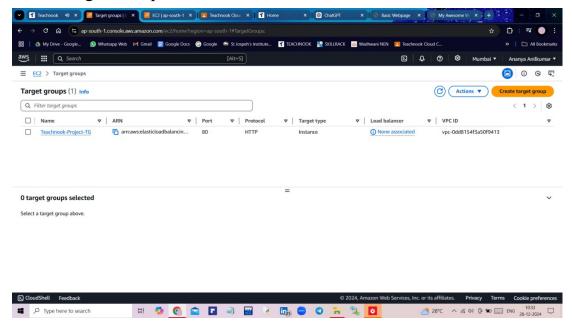


# Secondary Server



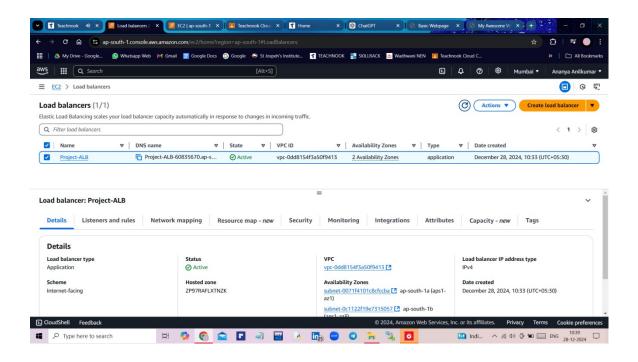
#### STEP 4:

Create a Target Group which consists of the above servers.



#### STEP 5:

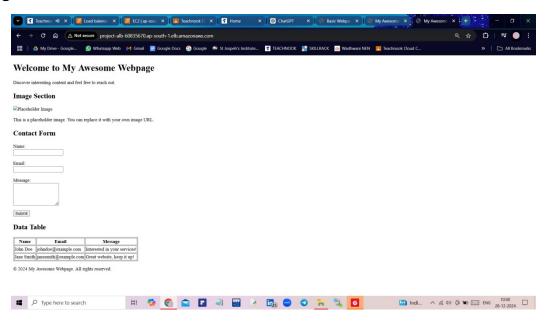
Create a load balancer.



#### STEP 6:

Now copy the DNS name of the load balancer and paste it in the browser.

After pasting the DNS name.



After refreshing the same page.

