**Application load balancer**

-Create EC2 instance with 1a AZ (ie webapp-1) with user data

-Security group (allow ssh & http) (ie MyLinuxSG)

-Create EC2 instance with 1b AZ (ie webapp-2) with user data

-Security group (allow ssh & http) (ie MyLinuxSG)

-Connect to webapp-1 instance & follow below steps

sudo –i

cd /var/www/html

ls

mkdir app

mv index.html app

ls

cd app

ls

systemctl restart httpd

-Connect to webapp-2 instance & follow below steps

sudo –i

cd /var/www/html

ls

mkdir app

mv index.html app

ls

cd app

ls

systemctl restart httpd

-Create new security group (My-ALB)

-Inbound rules:

HTTP – TCP – 80 – custom – 0.0.0.0/0

-Create new target group (ie tgt-alb)

-Click on create new target group

-choose target type (instances)

-Give target group name (TGT-ALB)

-Protocol port (HTTP & 80)

-IP address type (IPv4)

-Protocol version (HTTP1)

-Health check path(/app/index.html)

-click on next

-select available instances & click on include as pending below

-click on create target group

-Create new Application Load Balancer

-click on create load balancer

-click on Application Load Balancer’s create button

-Give name (ie My-ALB)

-select scheme (internet-facing)

-select IPv4 address type(IPv4)

-select mapping ap-south-1a & ap-south-1b

-security group (select My-ALB)

-listener http:80

HTTP-> 80-> Forward to -> TGT-ALB

-click on create load balancer