**Load Balancing via Auto Scaling in EC2**

Step – 1 : Create an EC2 instance

In this give the security group with http, ssh inbound rules

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Step – 2 : After SSH into instance write these commands

Sudo su –

apt get update

apt install apache2

cd /var/www/html/

rm -rf index.html

vi index.html

Step – 3 : Now, write some content of your own

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Step – 4 : Now, paste the public ip in the browser and check if its working A white background with black border

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Step – 5 : Now, create an image of the instance you created

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Step – 6 : Now, click on “**Launch instance from AMI**” and create another instance

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Step – 7 : Now, create a load balancer.

1. While creating you come across target group creation, create a target group and include the instances created inside the target group

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1. Now, continue with creation of load balancer

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Step – 8 : After the load balancer got created, copy the dns and paste it in the web browser, you will see a pages like this, if you refresh them again and again

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Step – 9 : Go to auto scalling groups in ec2 dashboard and click on create an Create auto scalling group

1. Create a template with the image we created earlier
2. Then add the target group, which we have creater
3. Now, attach the load balancer which created earlier

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Step – 10 : Check the logs on auto scalling group

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Step – 11 : Now, test the asg by terminating an instance

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As you can see, the instance is terminating and if you see closely another instance is being created

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These are the logs of auto scalling group, connection draining specifies that all the users from the terminated instance has to be copied to the new instance

Step – 12 : Now, check whether the instance is successfully created or not

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