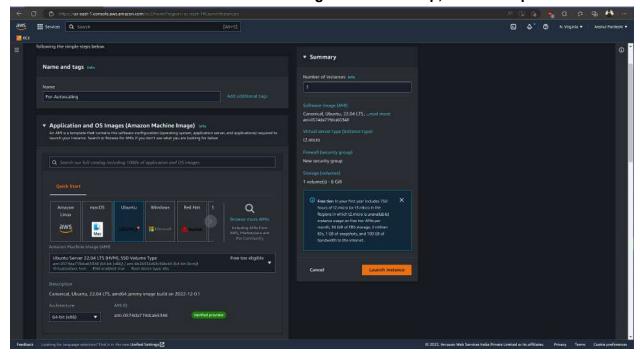
Module-2: Auto Scaling Assignment - 2

You have been asked to:

- 1. Create a Web Server AMI with Apache 2 server running in it
- 2. Create a Launch Configuration with this AMI
- 3. Use this Launch Configuration to create an Auto Scaling group with 1 minimum and 3 maximum instances.

Create an EC2 instance allowing all traffic of http,ssh and https.



Select the instance created and connect to it.



Connect to that instance and use following commands:

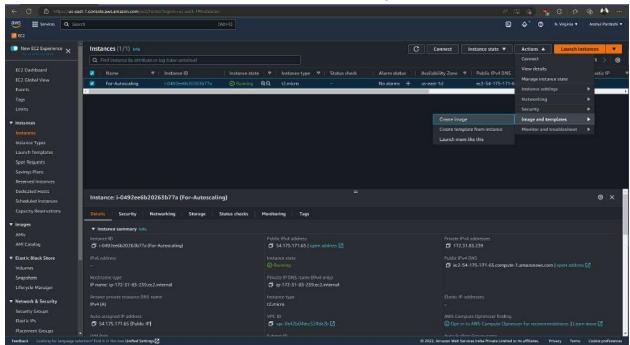
Sudo su Sudo apt-get update Sudo apt-get install apache2 -y cd /var/www/html rm index.html

nano index ,html and write the Text that you want to be displayed on webserver.

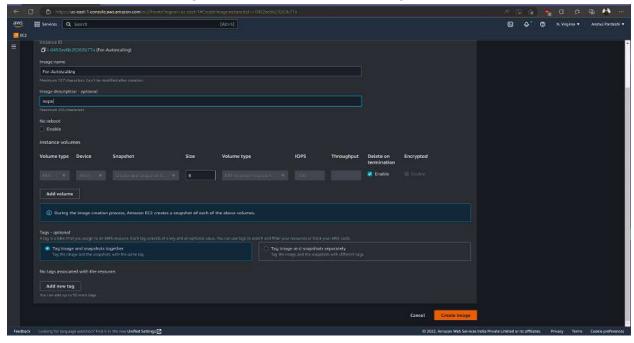
This will update your instance and then install Apache2 server.

```
## Morate | Company | Com
```

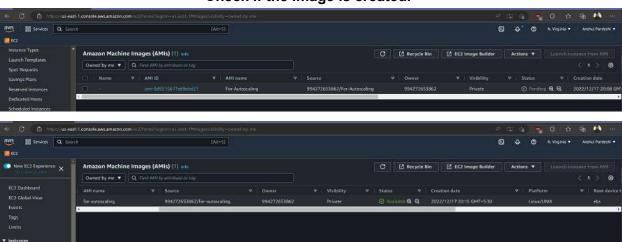
Select the instance then going on actions drop down menu create an image that will be used to create Launch Configuration.



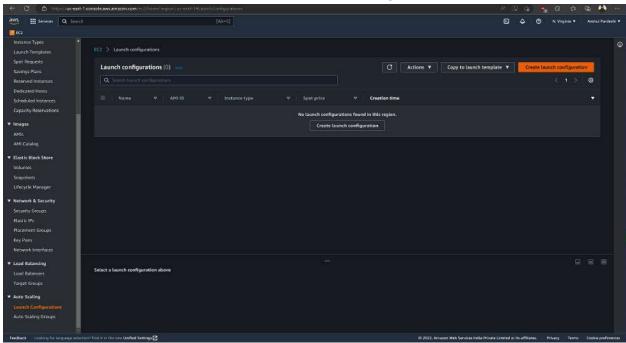
Give image a name and let other settings to be default



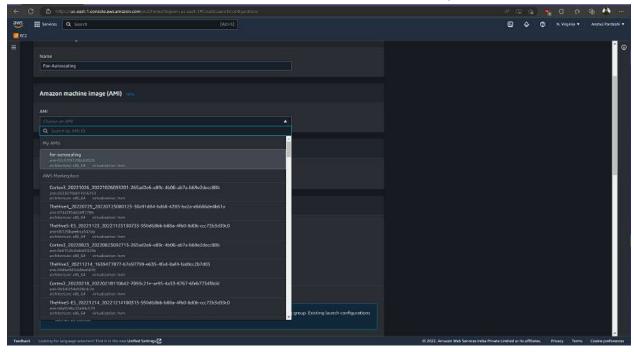
Check if the image is created.



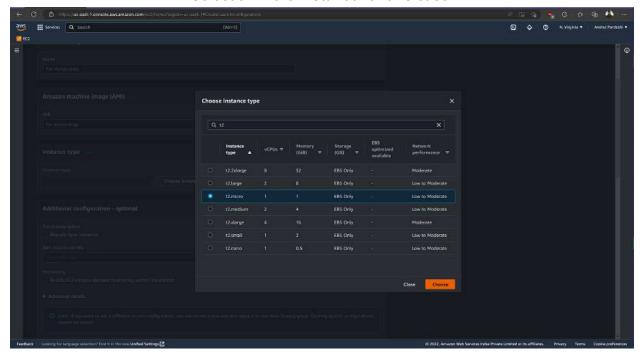
Now let's create Launch Configuration.



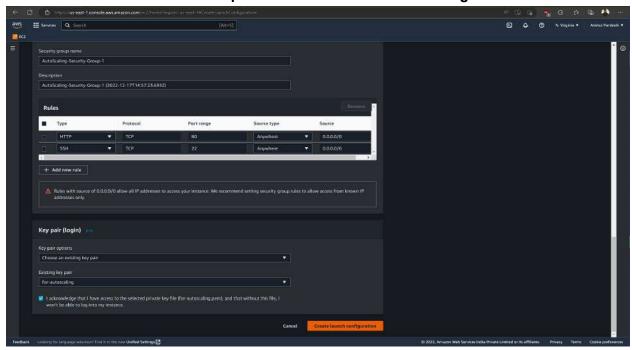
Give a name to it and select the same AMI that we just created.



Select t2.micro instance for this case



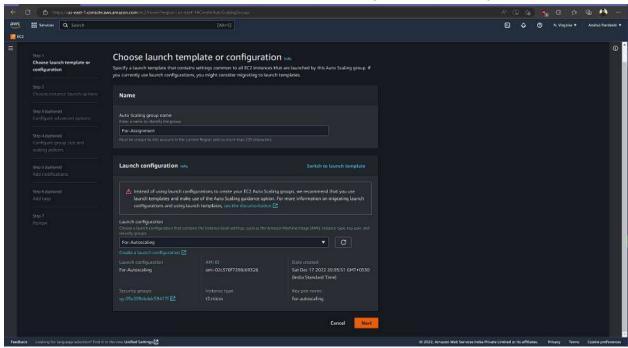
Allow ssh and http traffic and create Launch Configuration.



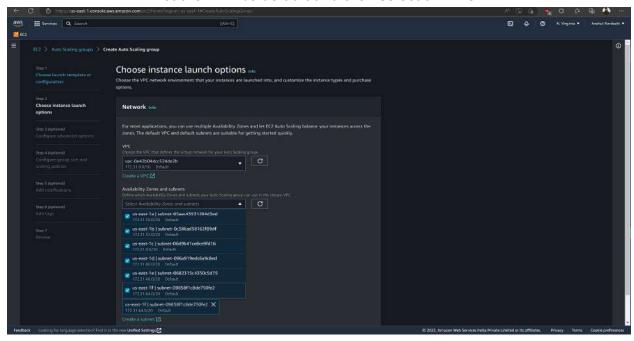
Now let's create Autoscaling group.



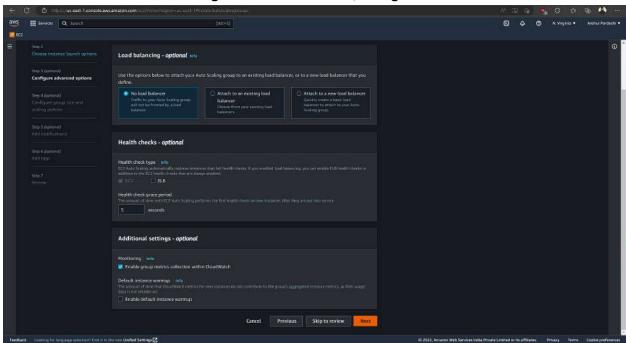
Give a name to it and select the Launch Configuration that we just created.



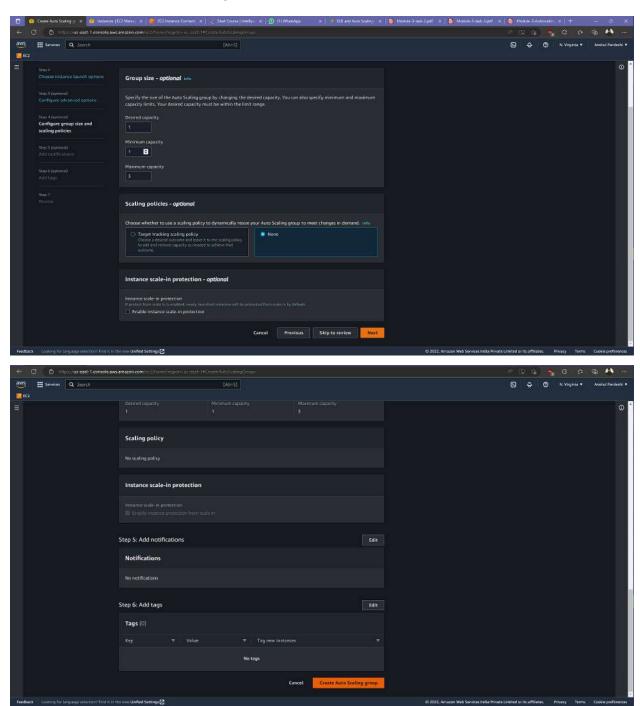
Let the VPC be default and then select all AZ's.



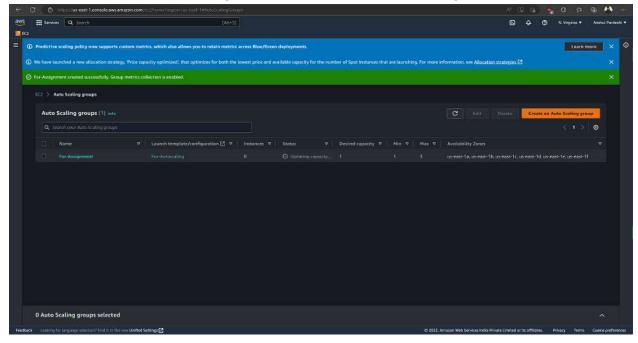
Since we are not using load balancer here, lets go with no load balancer.



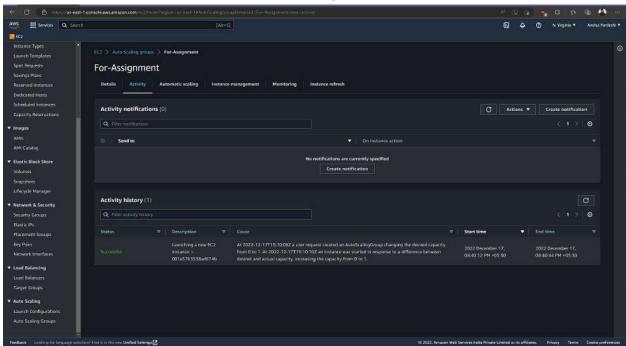
As mentioned in the assignment, select 1 minimum and 3 maximum instances.



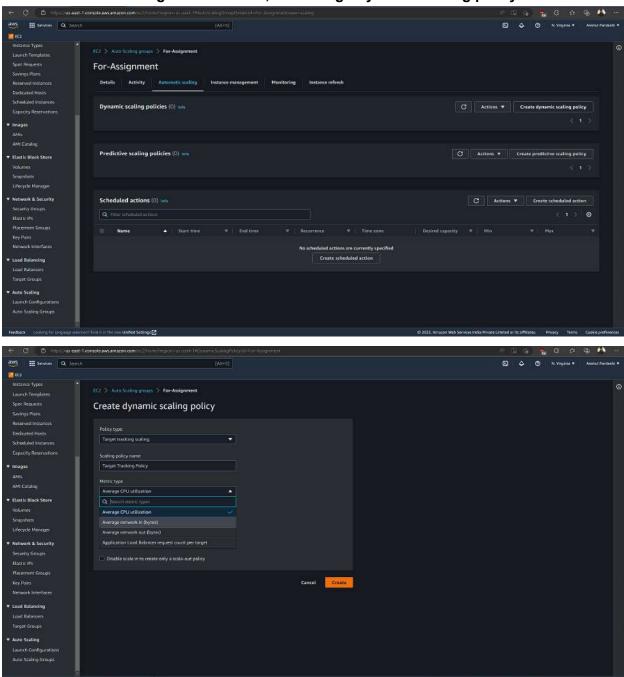
Keep rest things default and launch Autoscaling Group.



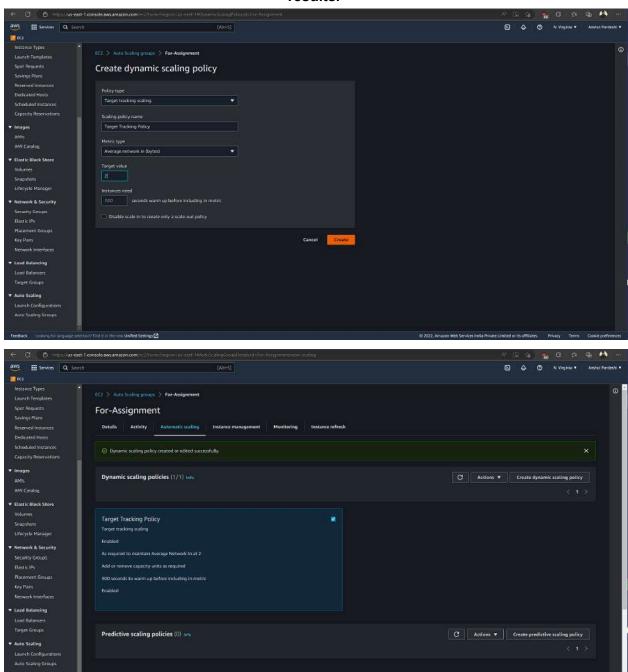
Open created autoscaling group and on activity you can see number of instances running.



Now to get result faster, let's assign dynamic scaling policy.



Set metric as Avg Network in (bytes)Set Target value as less as possible to get faster results.



This is what we get after copying public ip of instance and pasting it in url. Now refresh this too many times to overload website to test autoscaling group.



Now in autoscalinggroup in activity you can see multiple instances being deployed by autoscaling group.

