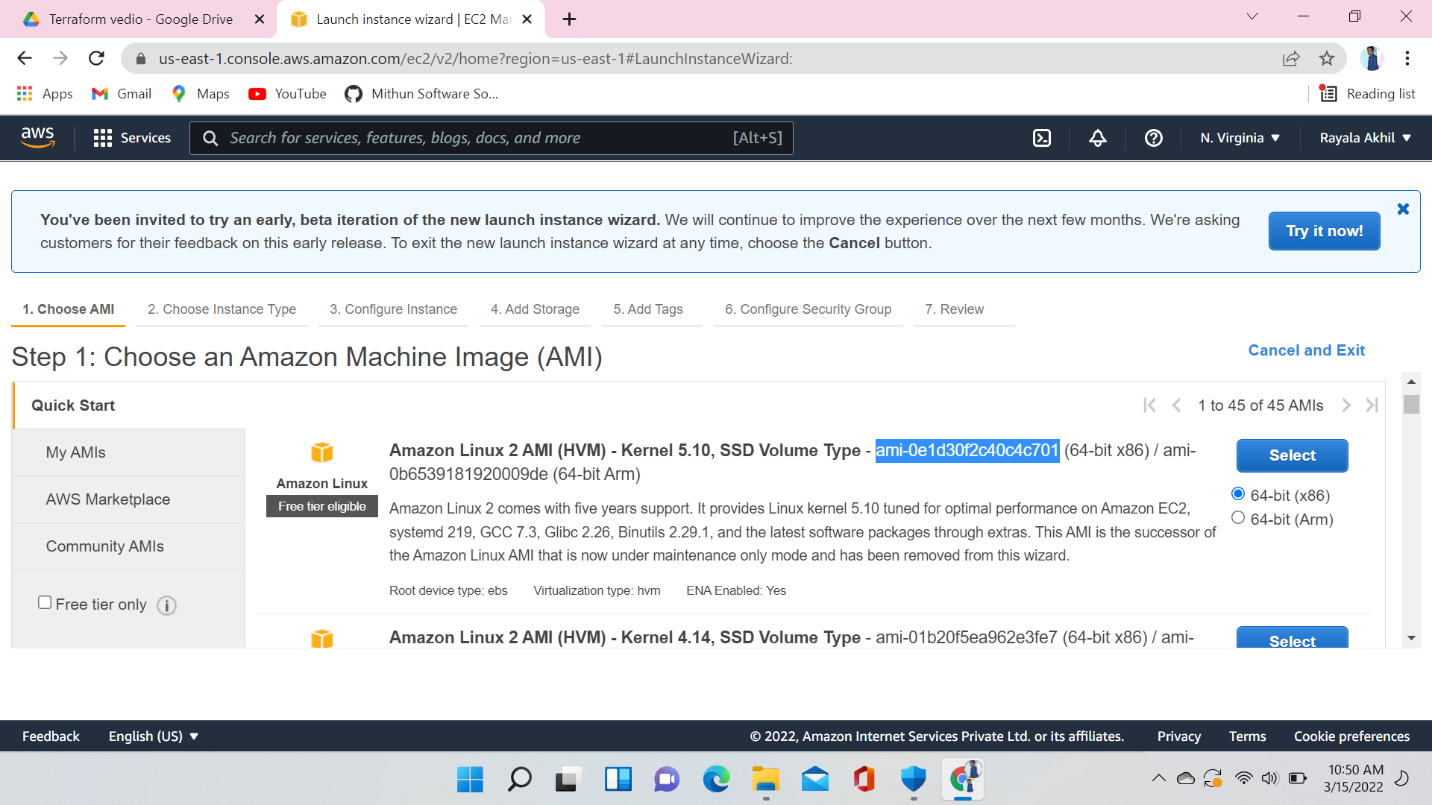
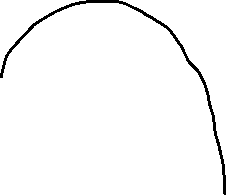
Auto Scalling

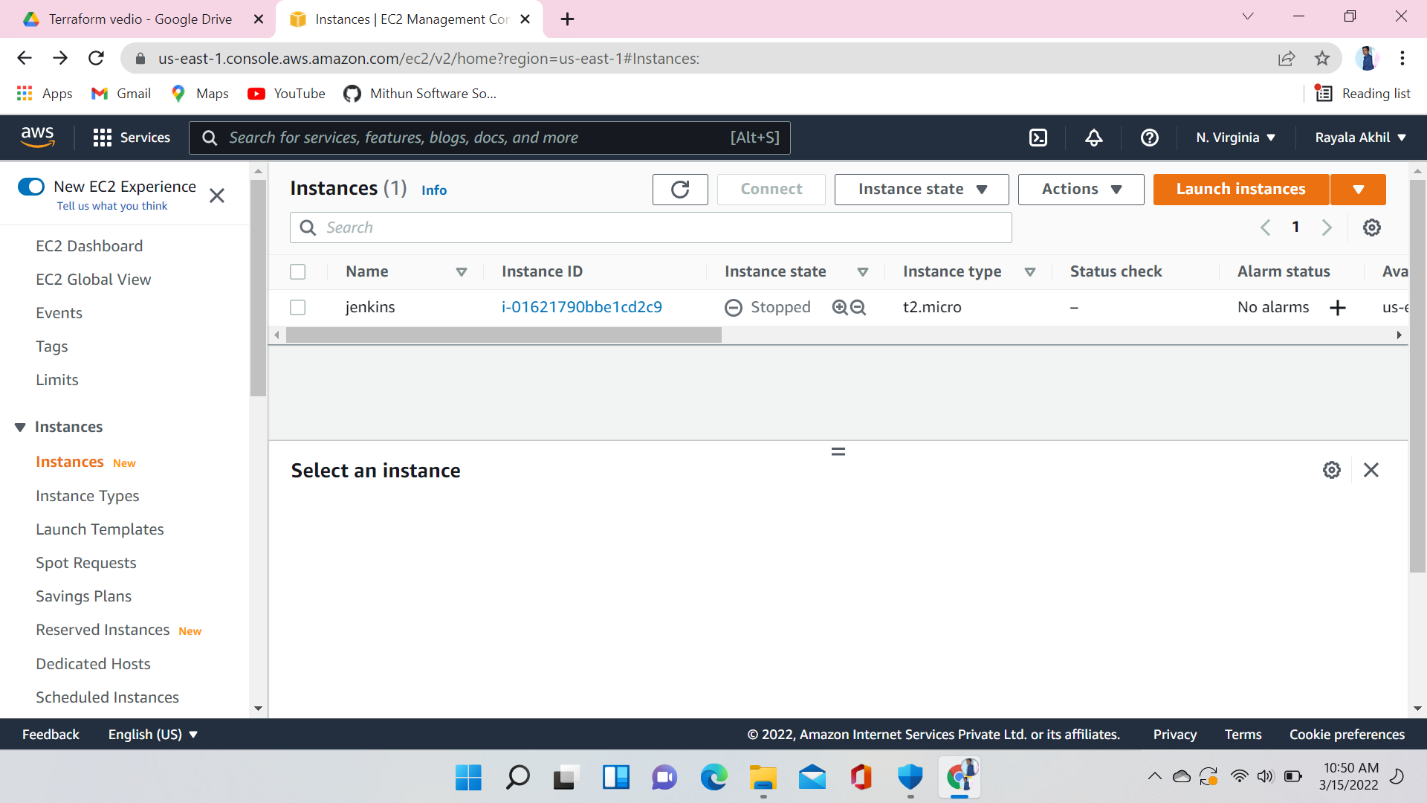
Aws auto scaling monitors your application and automatically adjusts capacity to maintain steady, predictable performance

Step 1 : - Select ami id and copy it



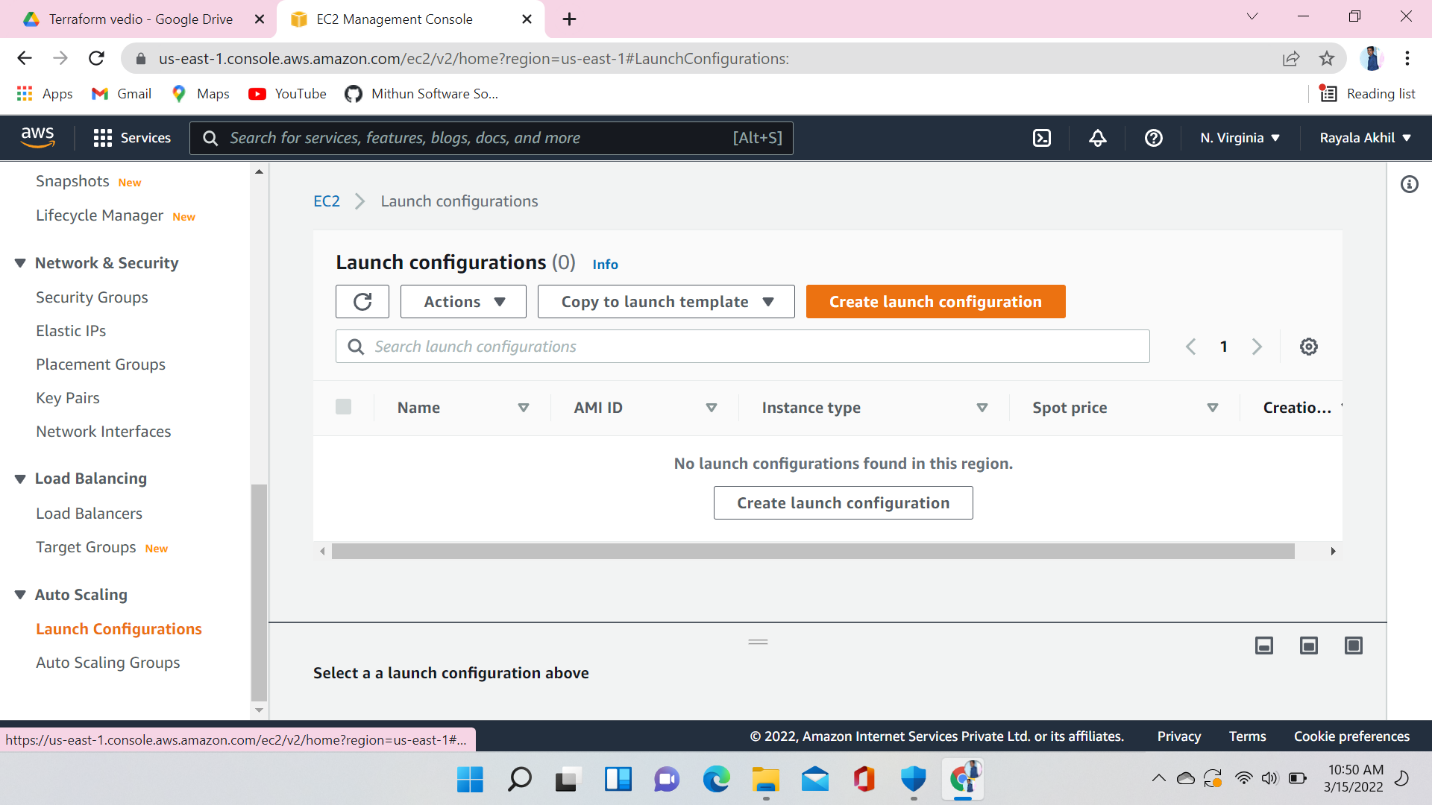


Here I don’t have any running instance



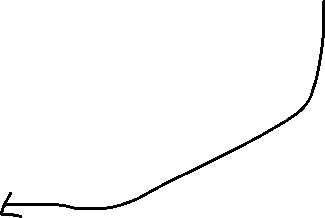
Step 2 :- create launch configuration here I am showing how to create launch configuration

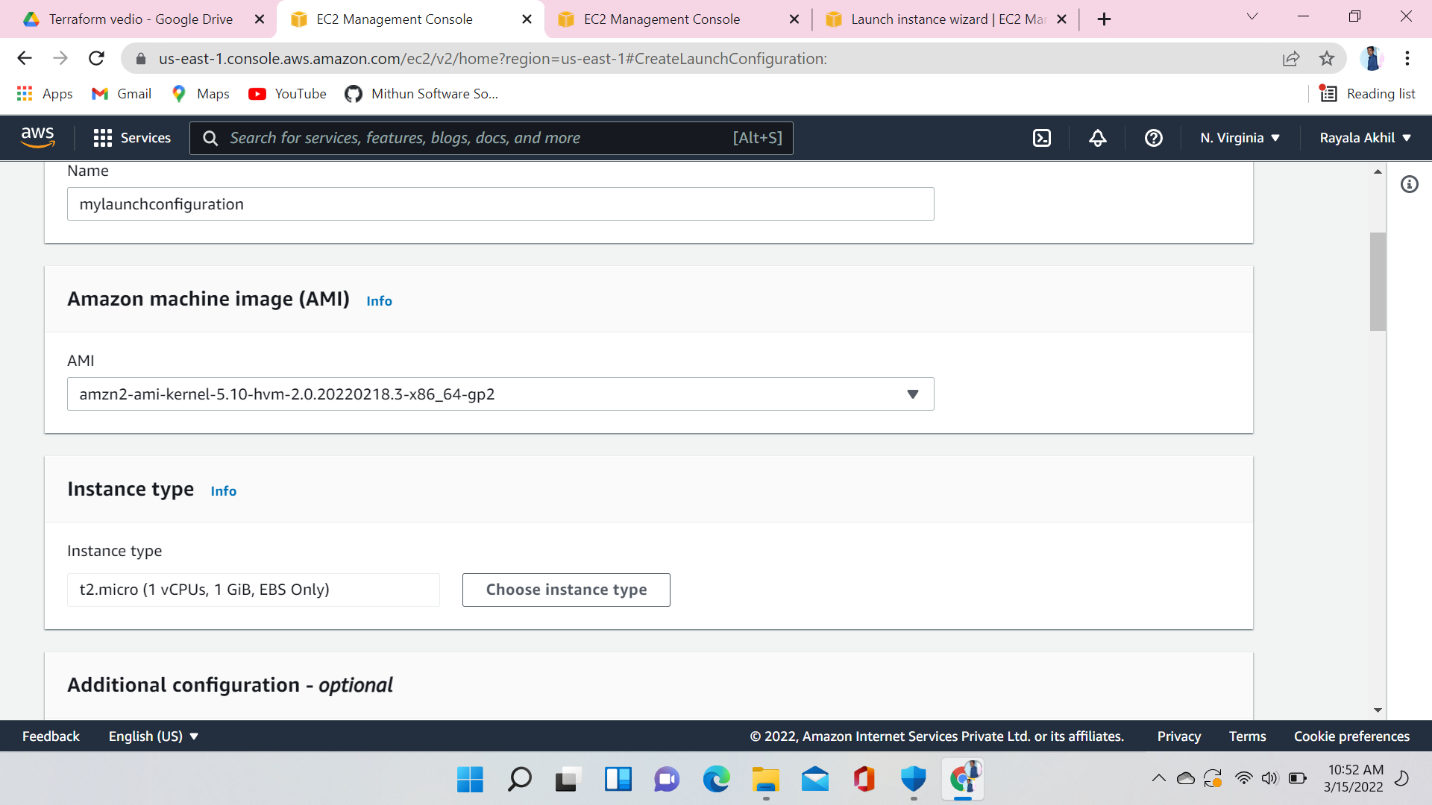




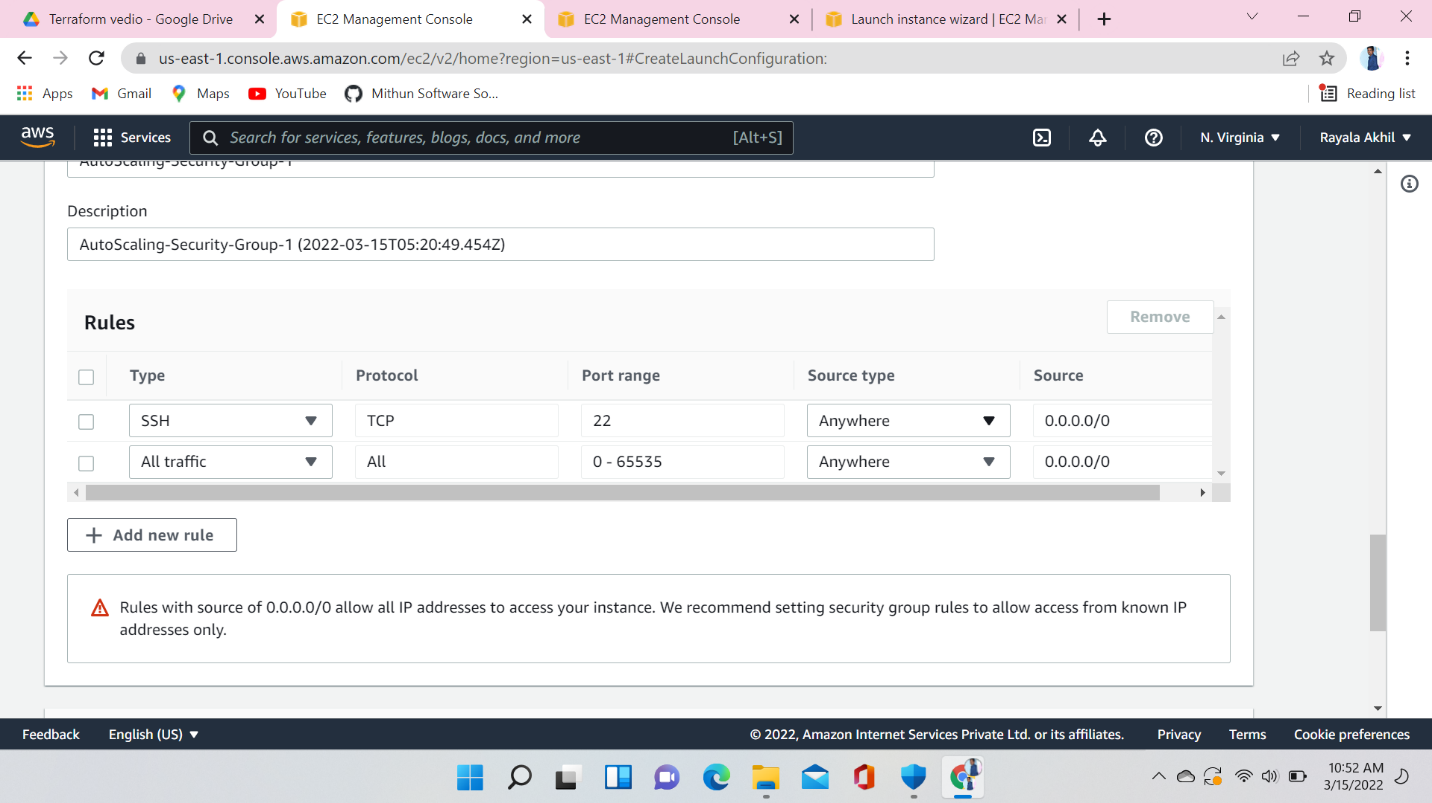


Create launch configuration and in Amazon machine image paste the ami Id which you have copied in the first step and paste here and select instance type here I am selecting t2.micro

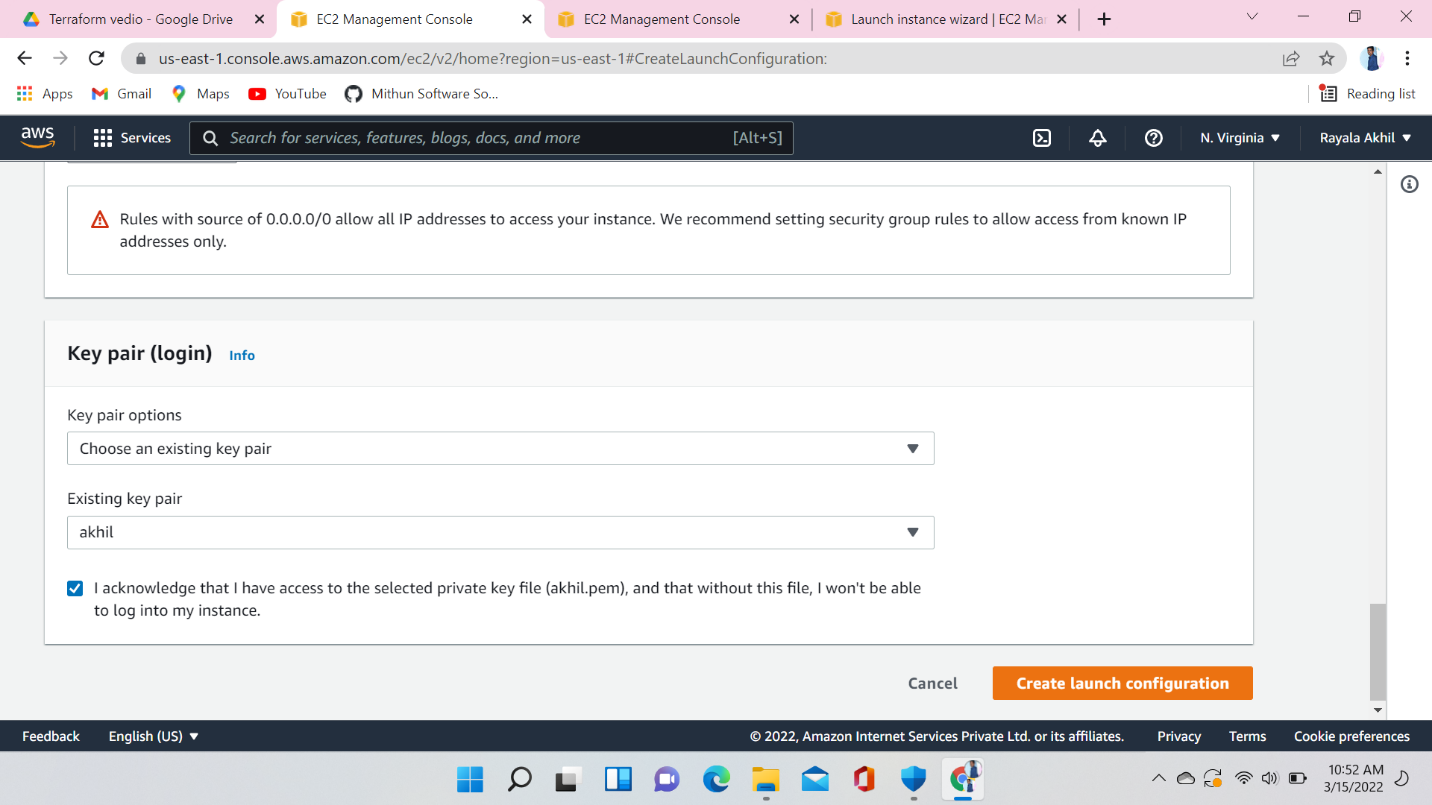




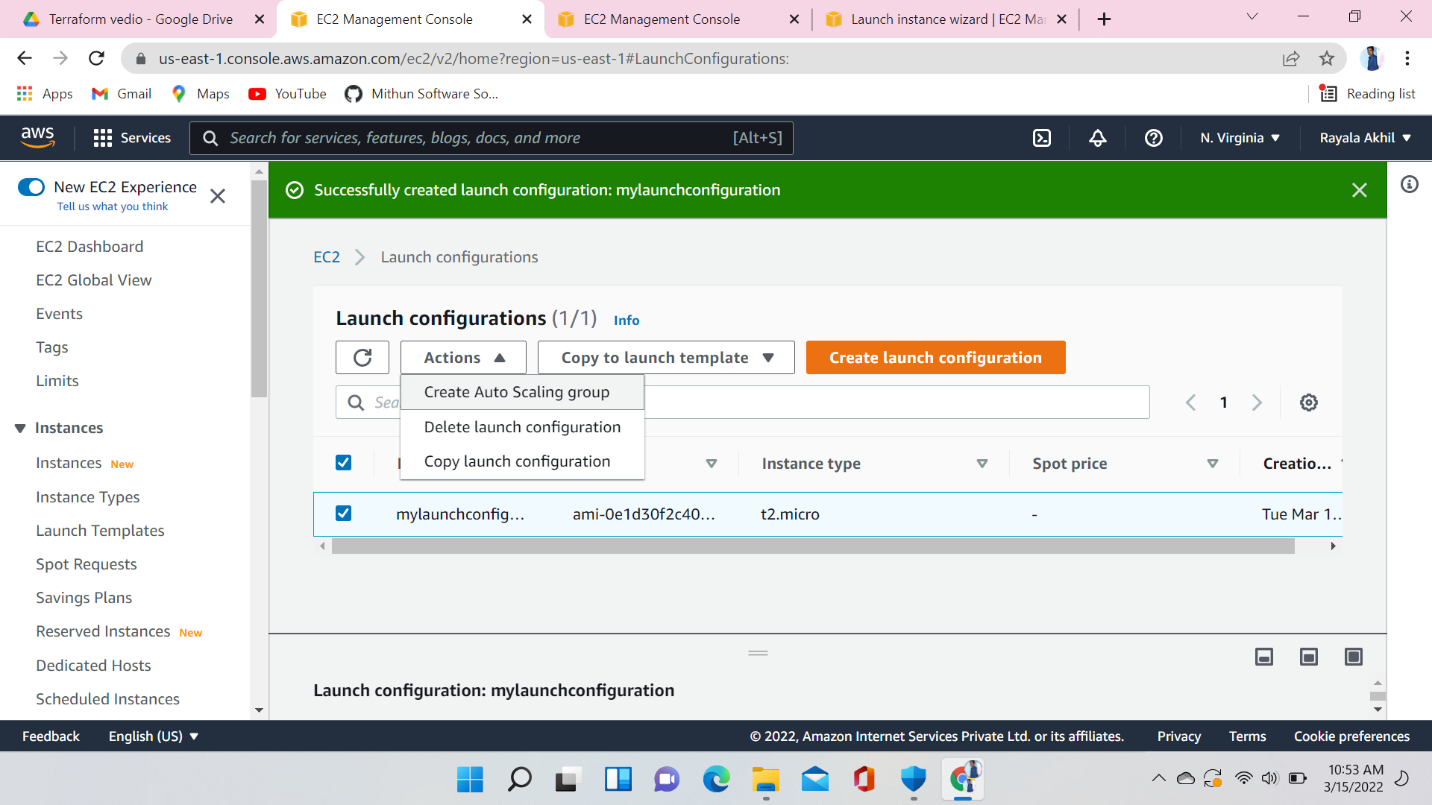
Auto Scaling Security Group provide security Rules



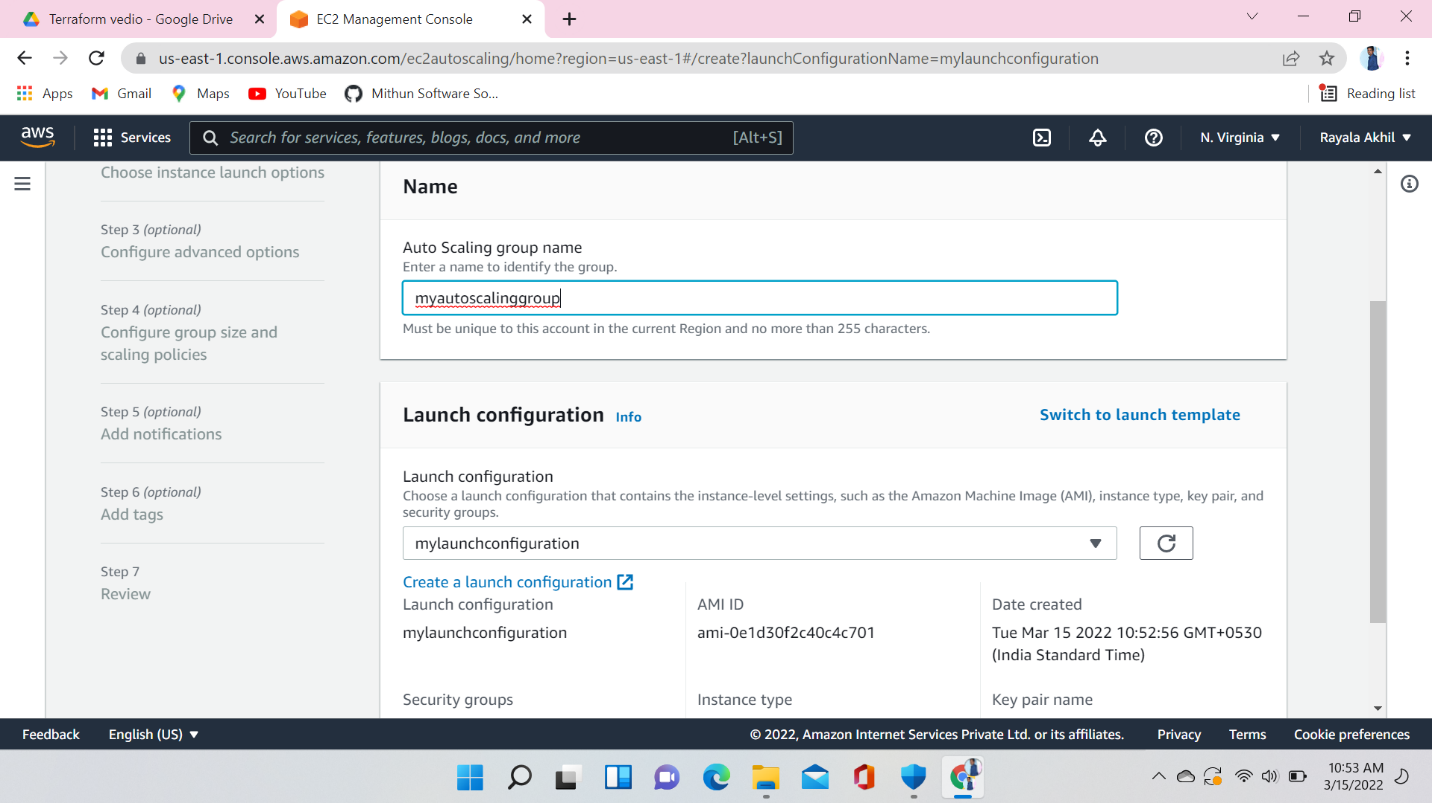
Key Pair create new keypair or choose an existing one



Here launch configuration was successfully created after this create auto scaling group

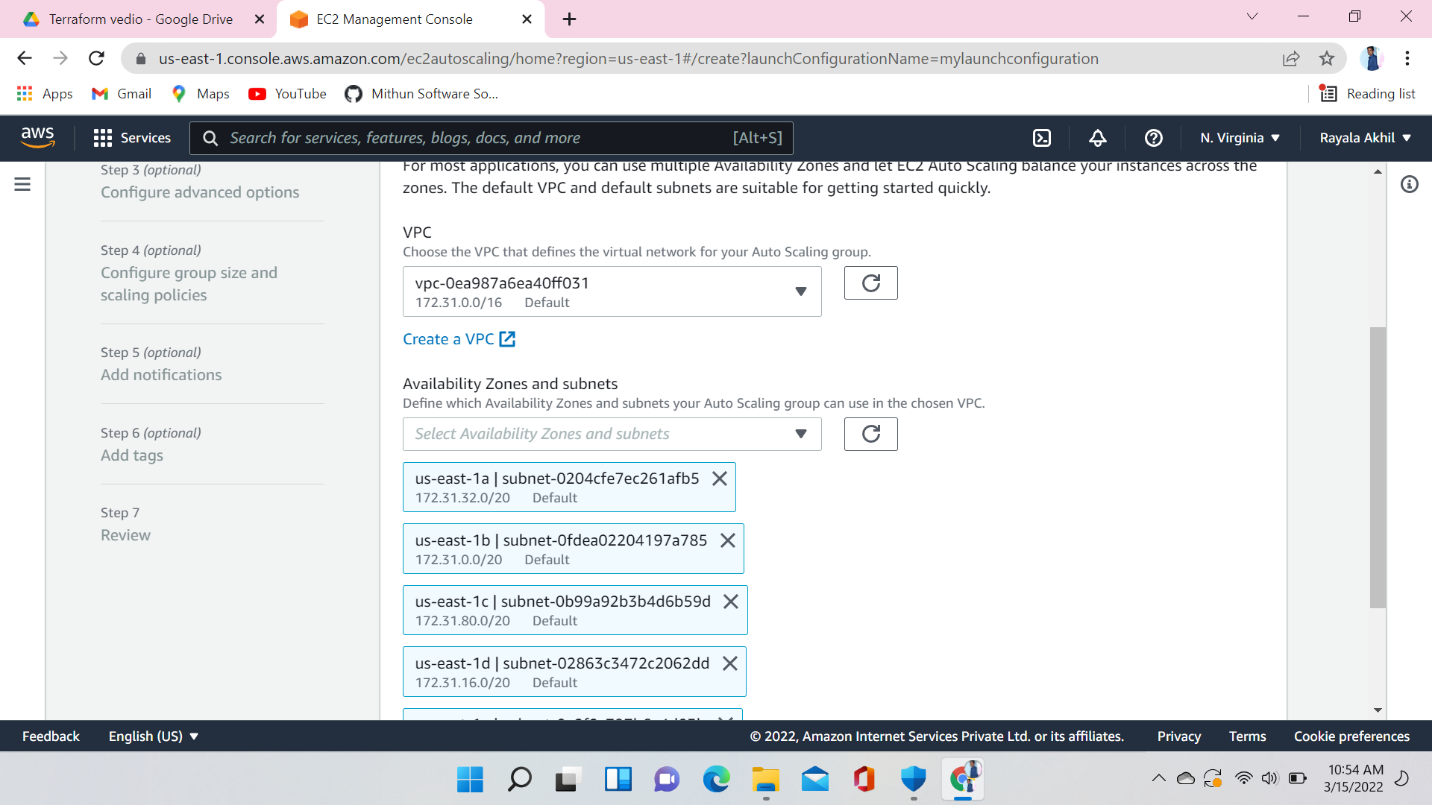


Creating auto scaling group using launch configuration

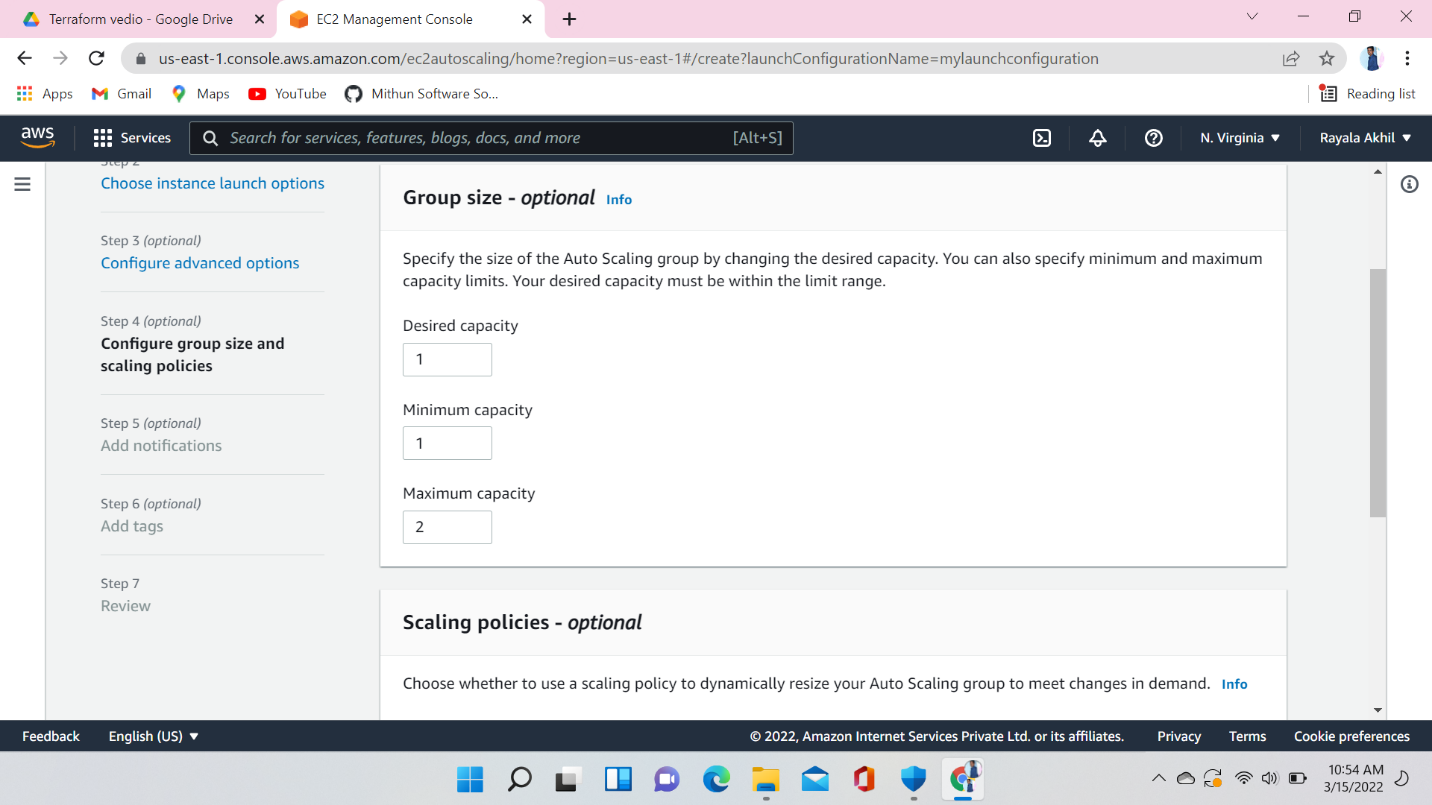


Choose the VPC that defines the virtual network for your auto scaling group

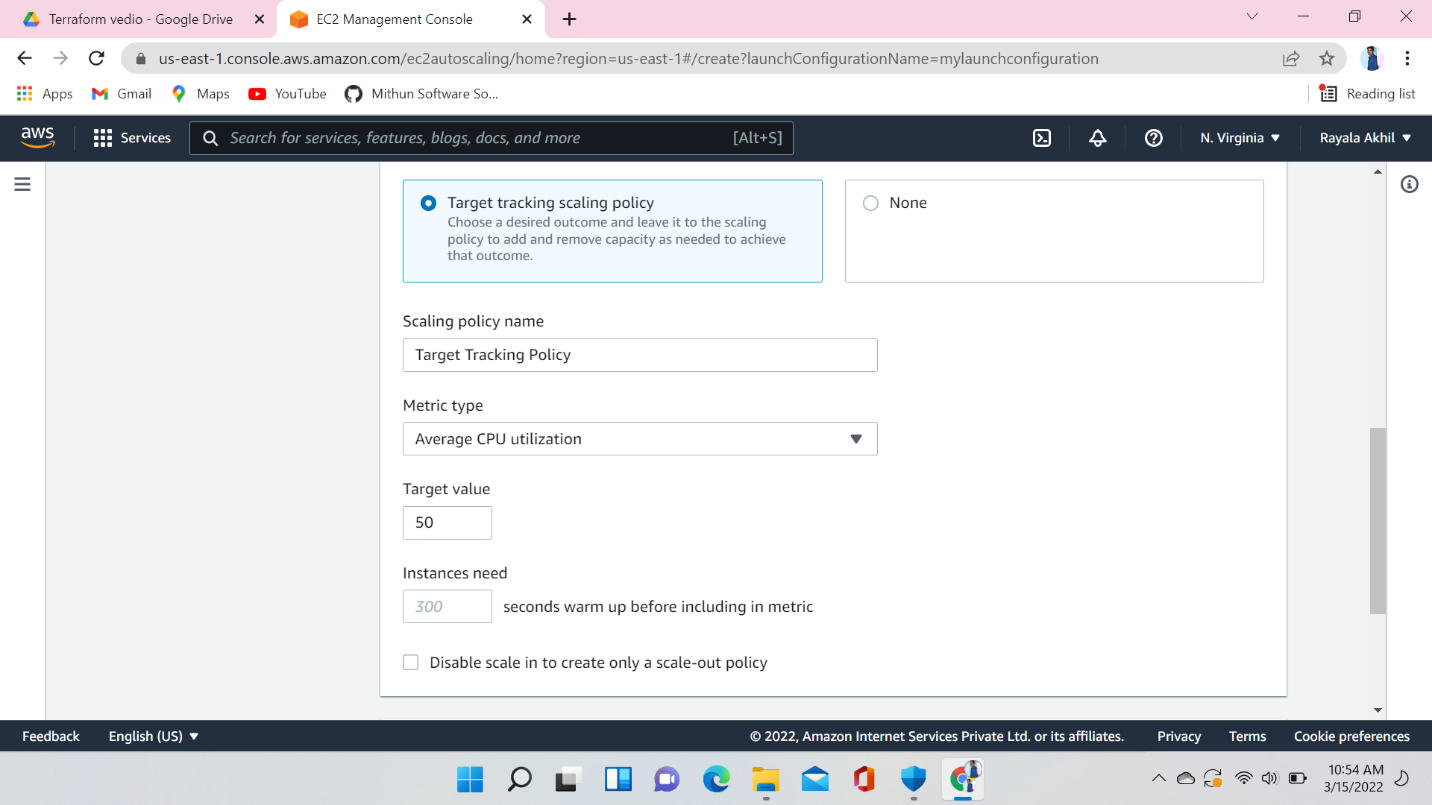
Define which availability Zones and subnets your auto scaling group can use the chosen VPC



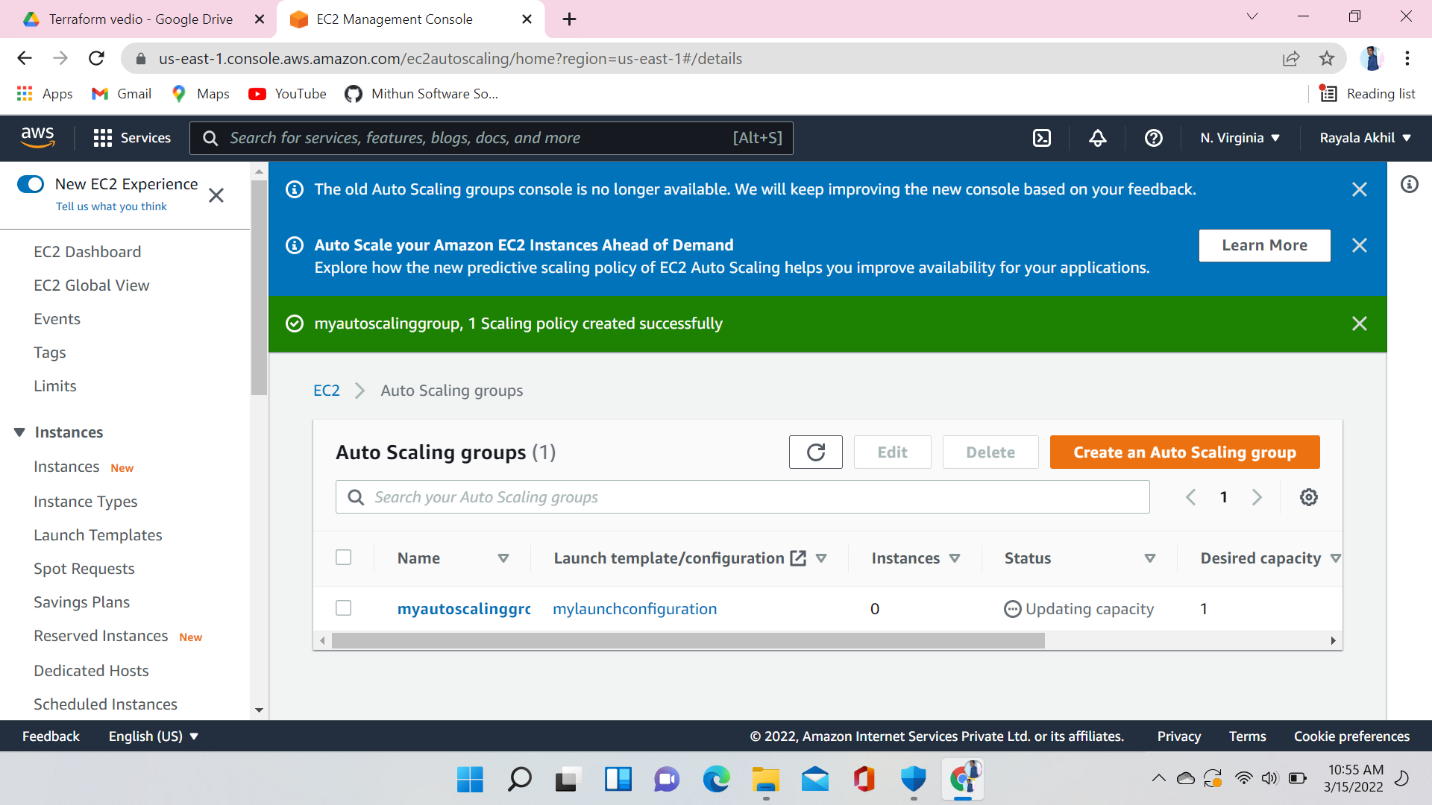
Here I am giving desired capacity 2, minimum capacity 1, and maximum capacity 2,



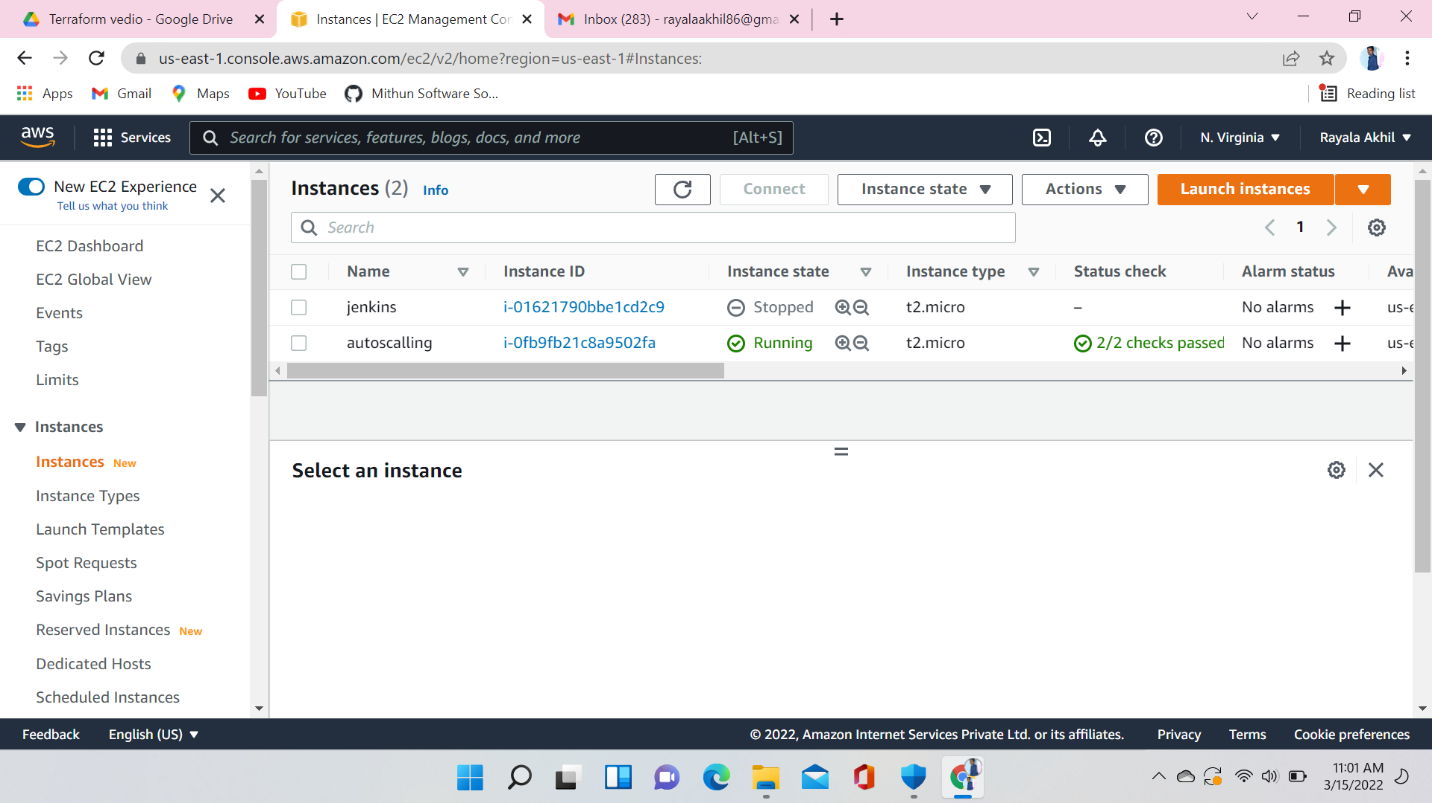
Here I am giving metric type (Average CPU utilization) target value 50 :- it means when CPU utilization will be more than 50 it will create one more instance



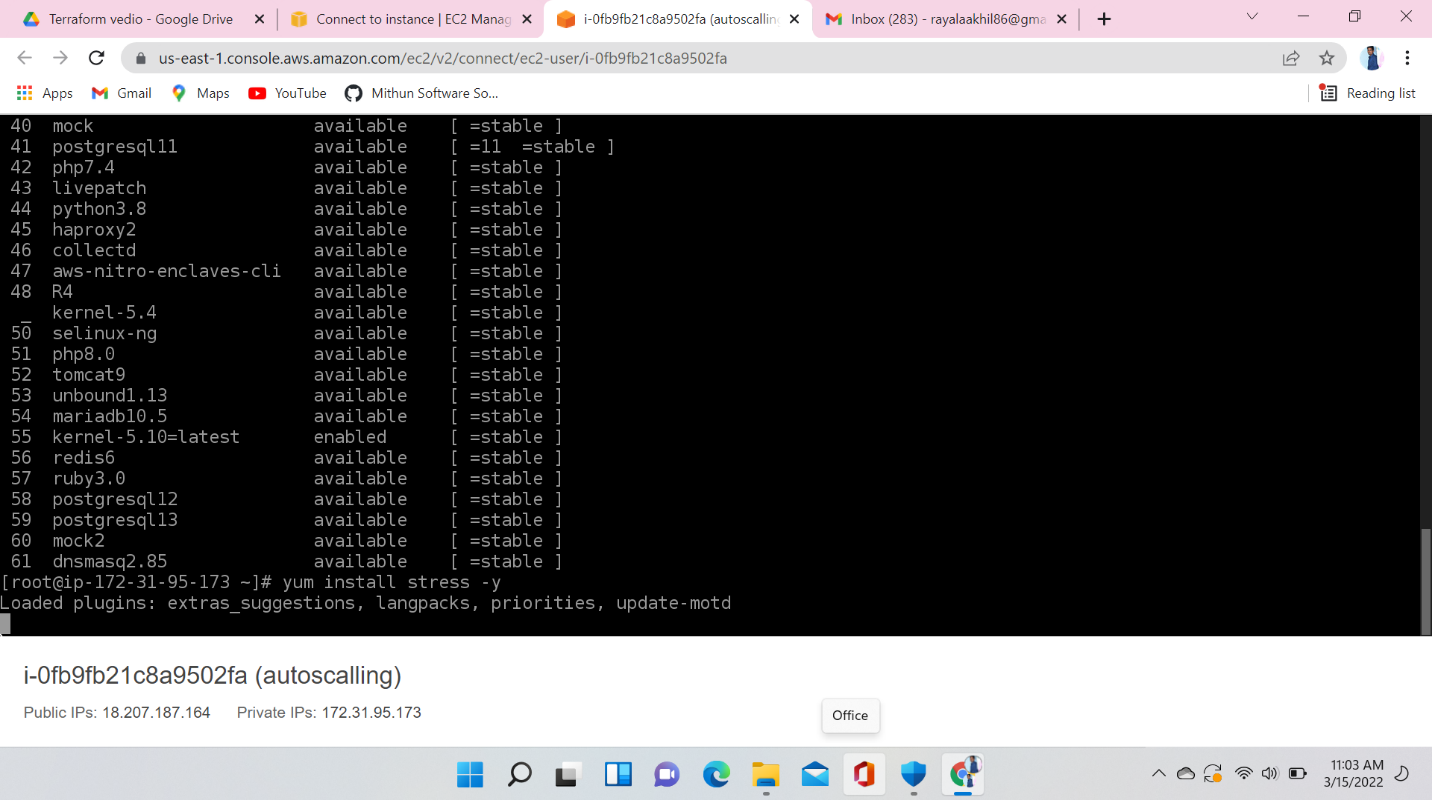
Autoscaling group created successfully



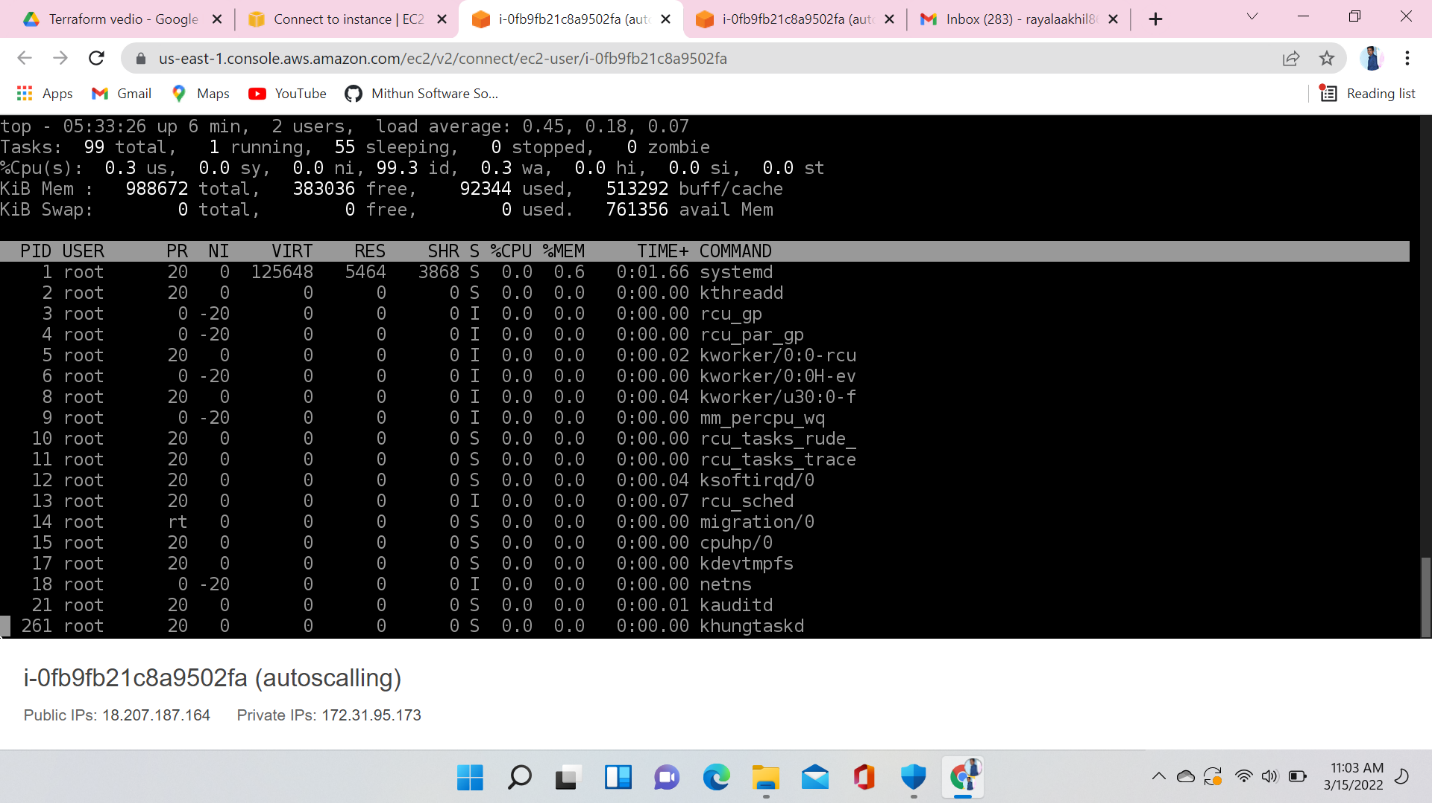
One instance have been created automatically connect this instance to the terminal and install stress



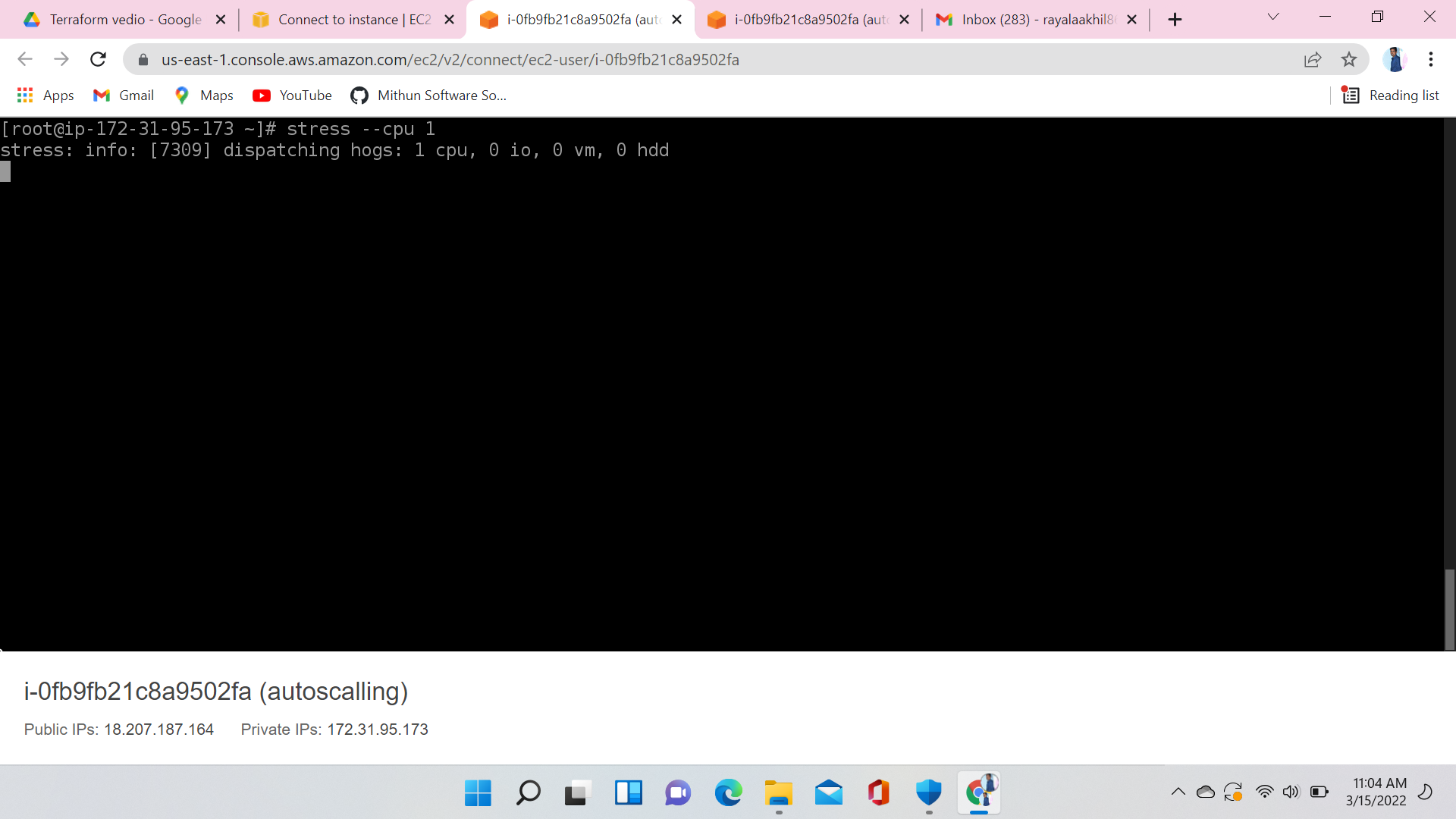
Using this command install stress



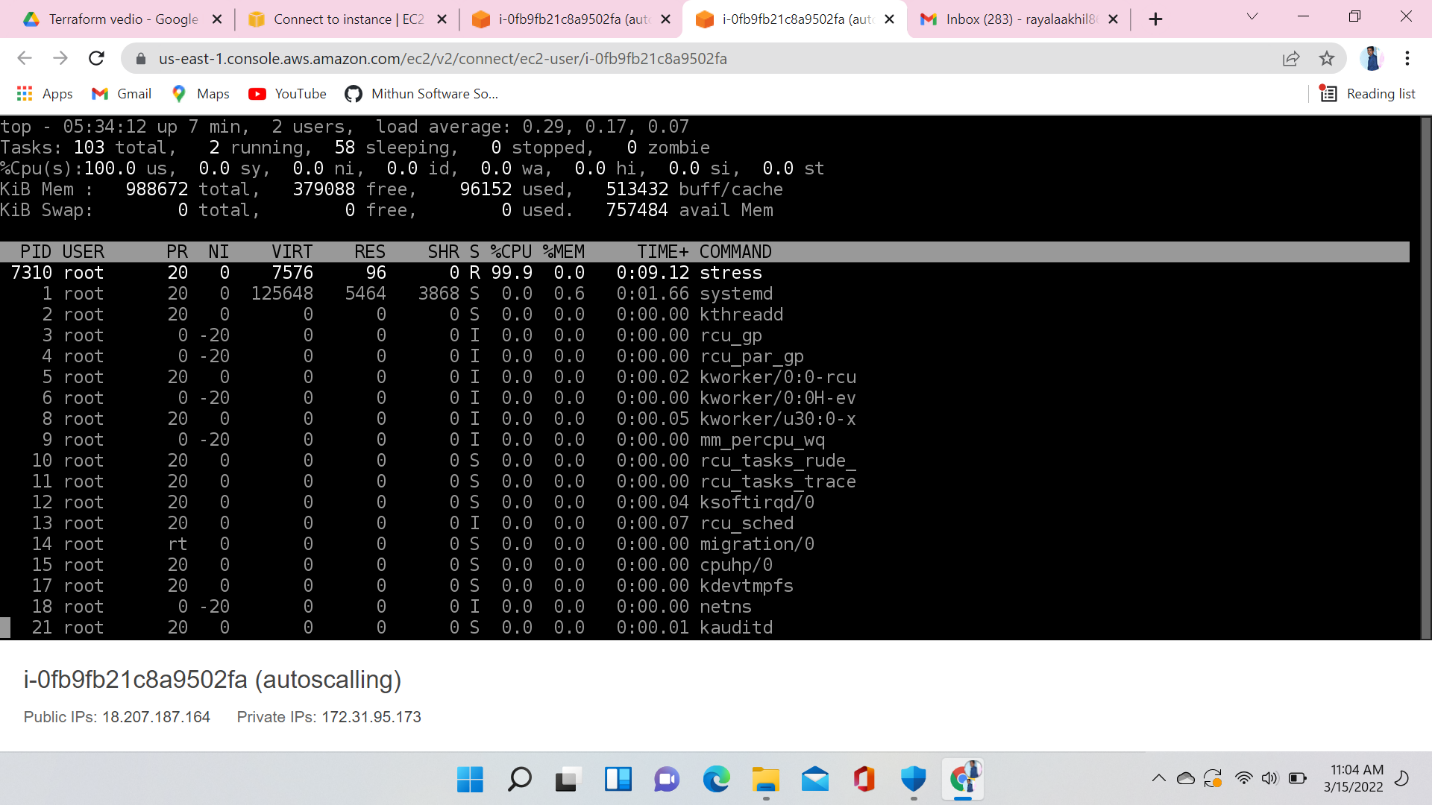
Use the top command and check the CPU utilization , here the CPU utilization is 0.0 so I will increase the CPU utilization using stress



Here I am increasing the CPU utilization



After applying stress on CPU (check the below picture how much it was increased)



In auto scaling I said that if CPU utilization more than 50 % manage the instance. Now CPU utilization reached 99.9 … so new instance was created. If CPU utilization decreased it will automatically delete the instance

