Project2(b): Auto-Scaling as accordance with cpu-utillization:

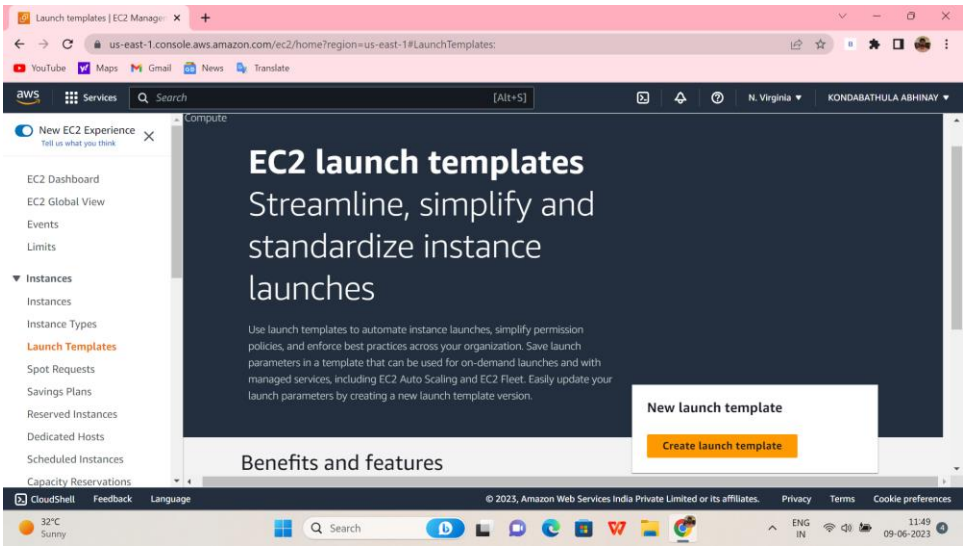
Min: 2

Desired: 2

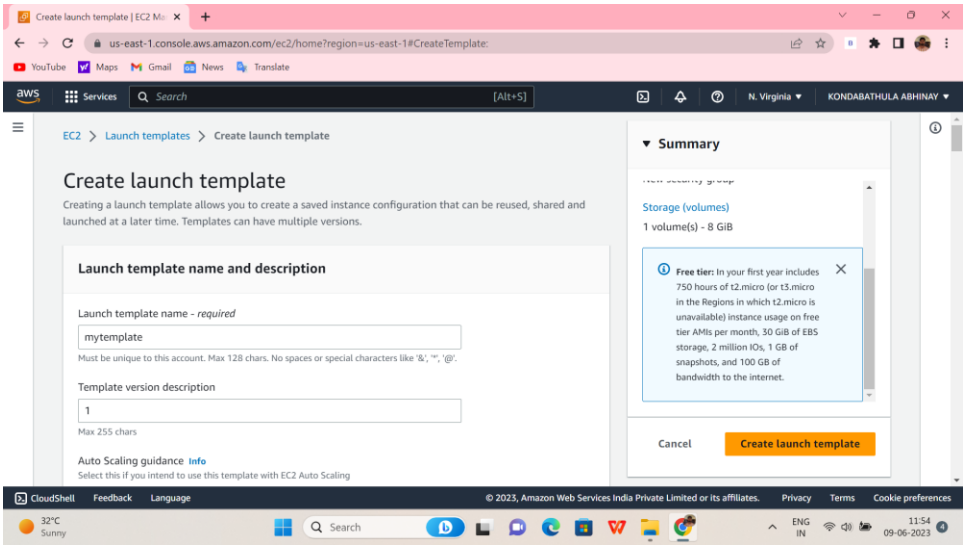
Max: 5

Step1: Open you AWS Management Console

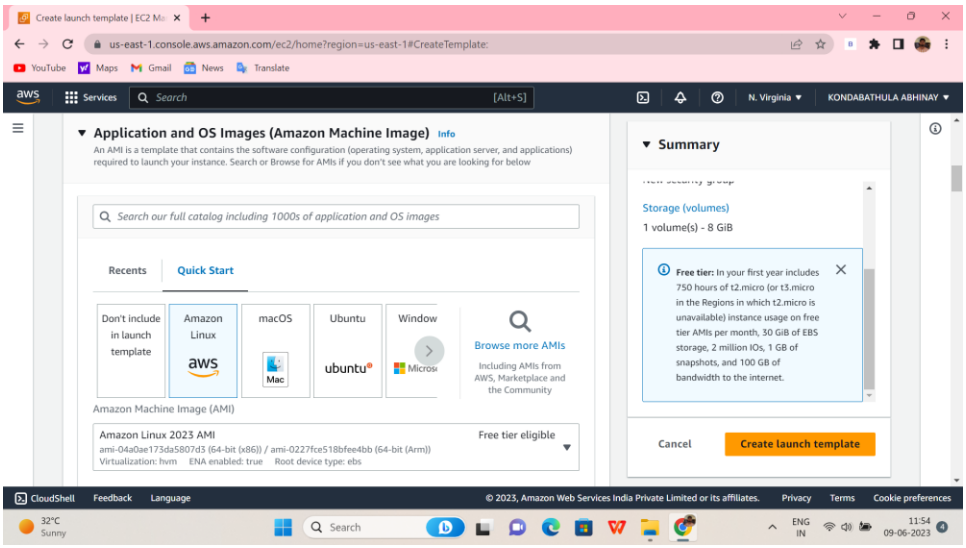
Step2: Go to Launch Template and Launch one.



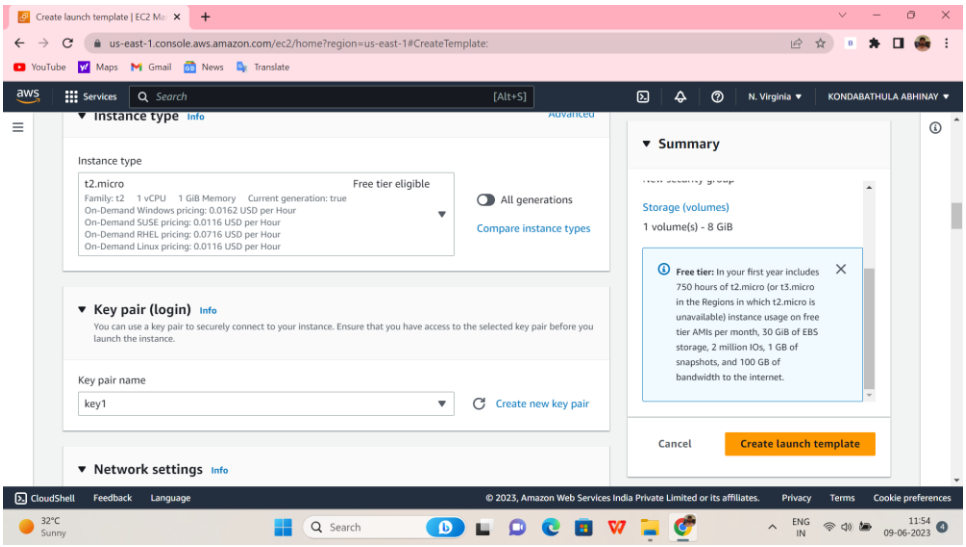
Step 3: Give a name as “my template”, and type “1” in version.



Step4: select “AWS Linux” for OS.

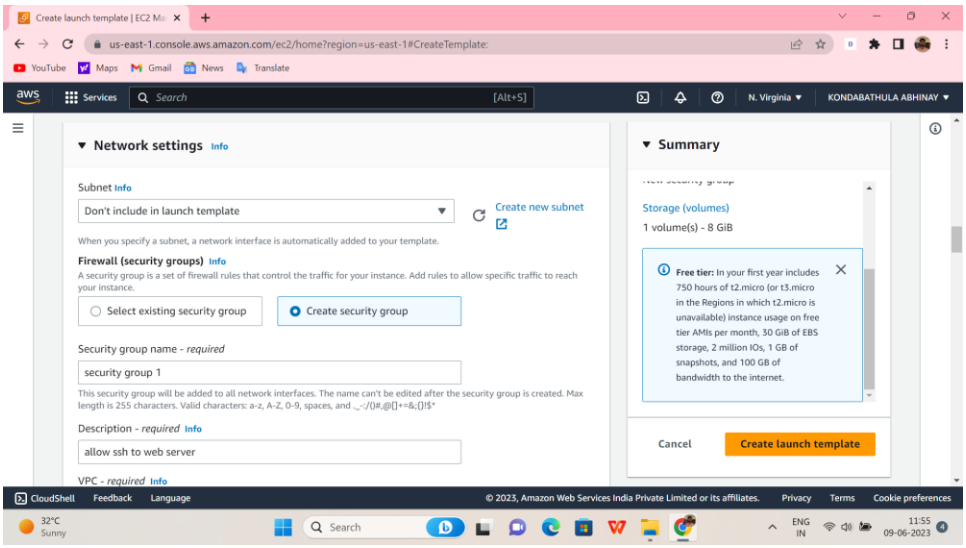


Step5: select “t2 micro” at instance and select a keypair “key1”.

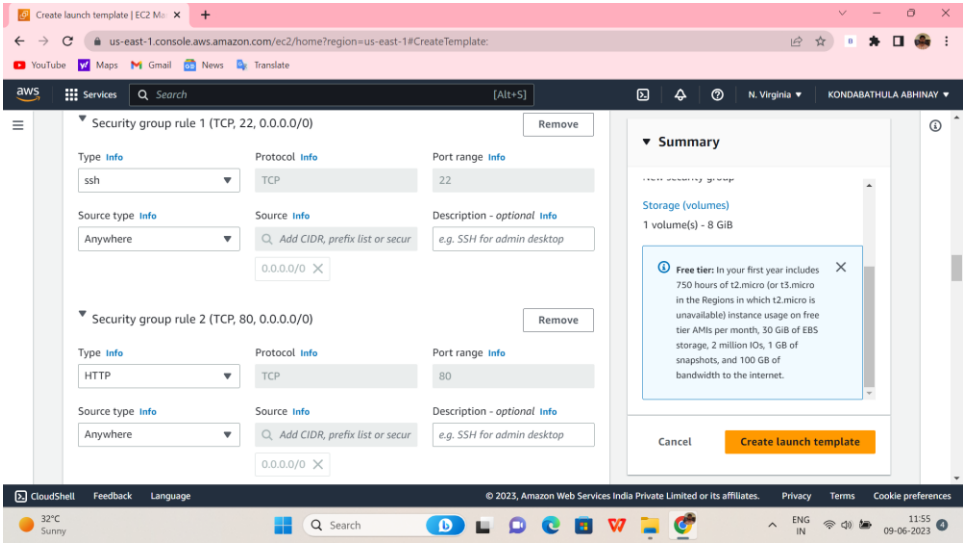


Step6: Create a security group and give it a name as “security group 1”

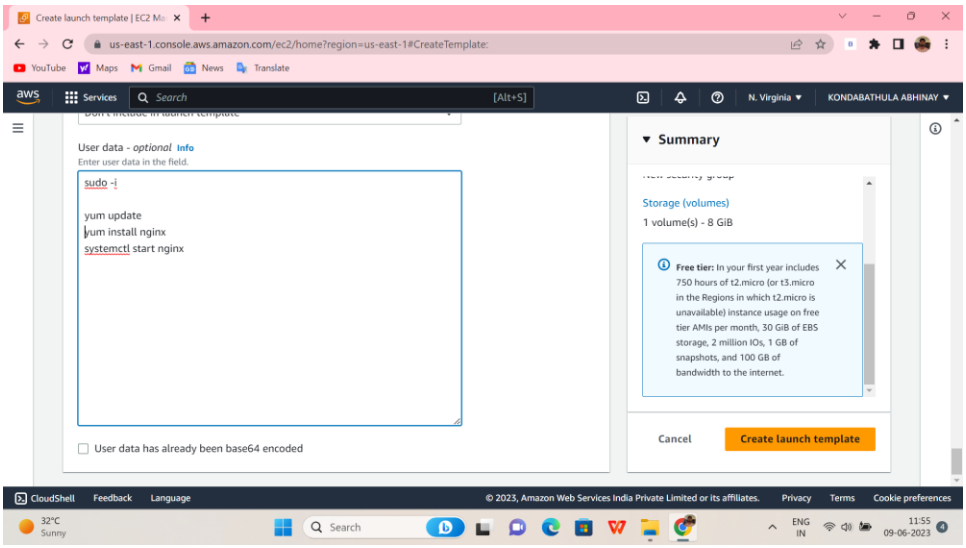
And add discription.



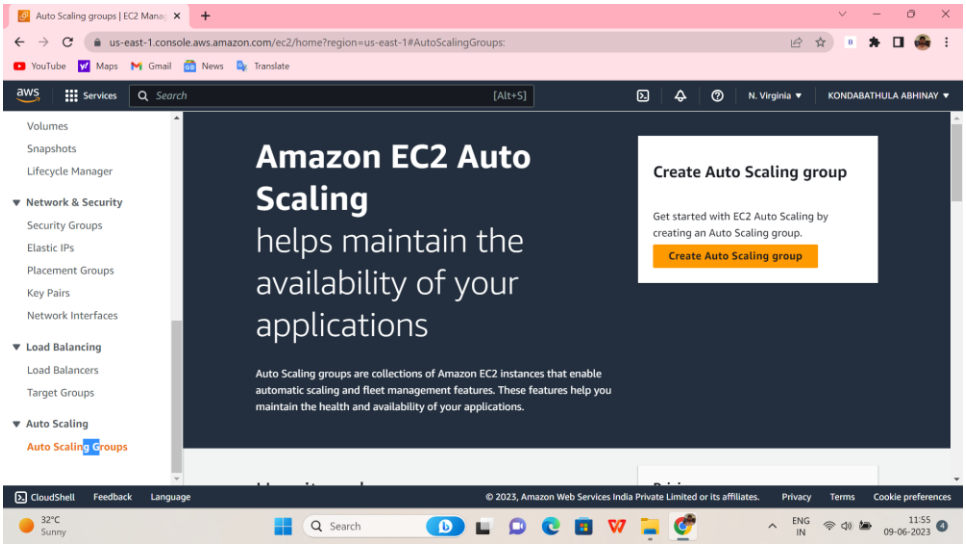
Step 7: Add two inbound rules 1. HTTP and 2. SSH.



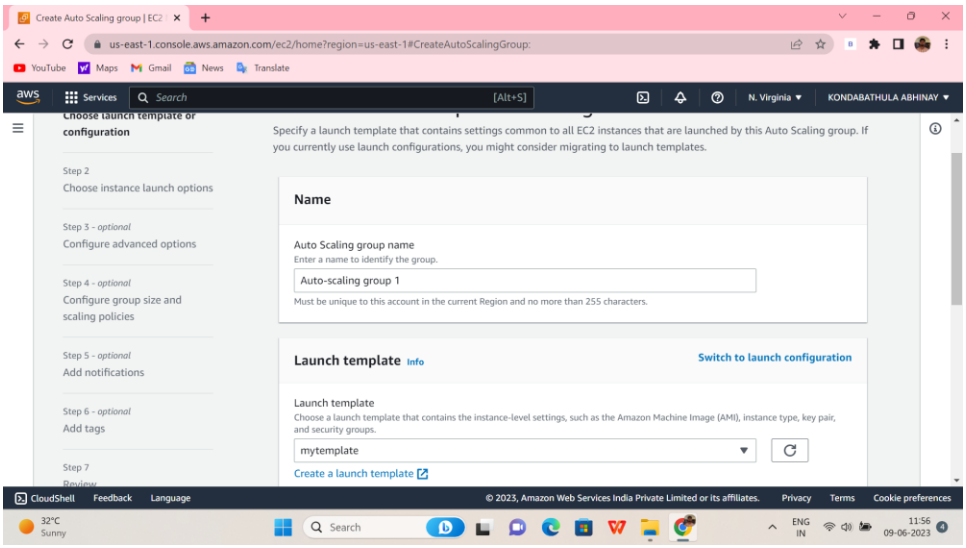
Step 8: In additional settings add this script and click on “Create launch template”.



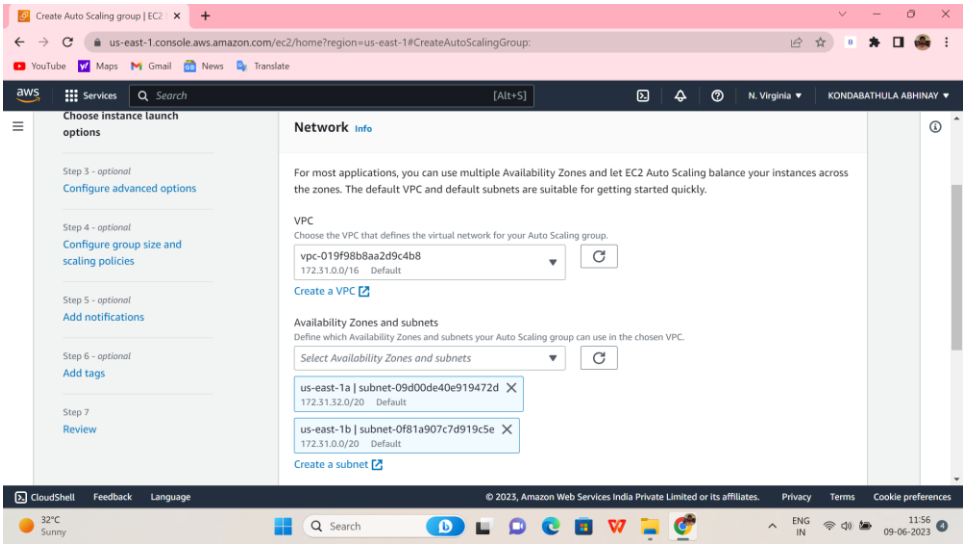
Step 9: Now go to Auto-Scaling and click on “create Auto Scaling group”.



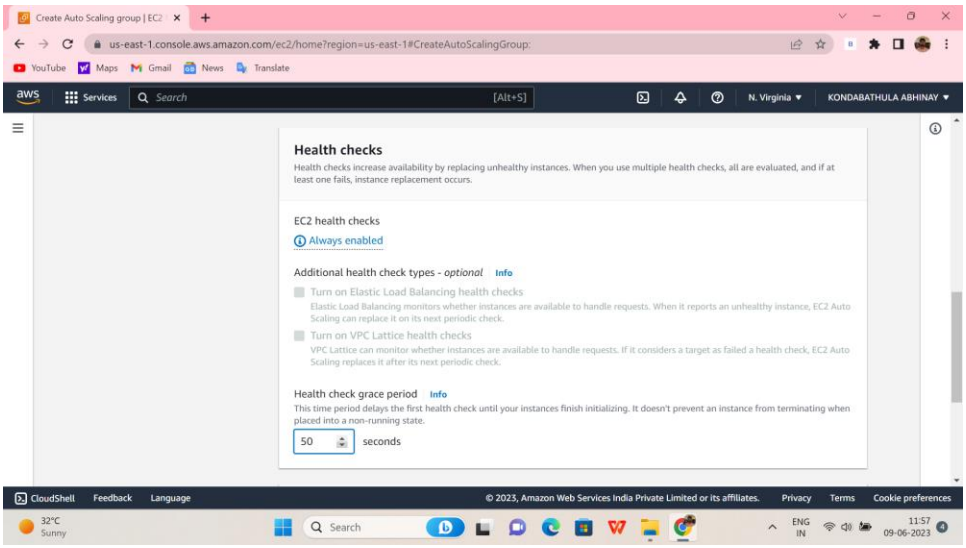
Step10: Give a name as “Auto scaling group 1” and select the template you just created.



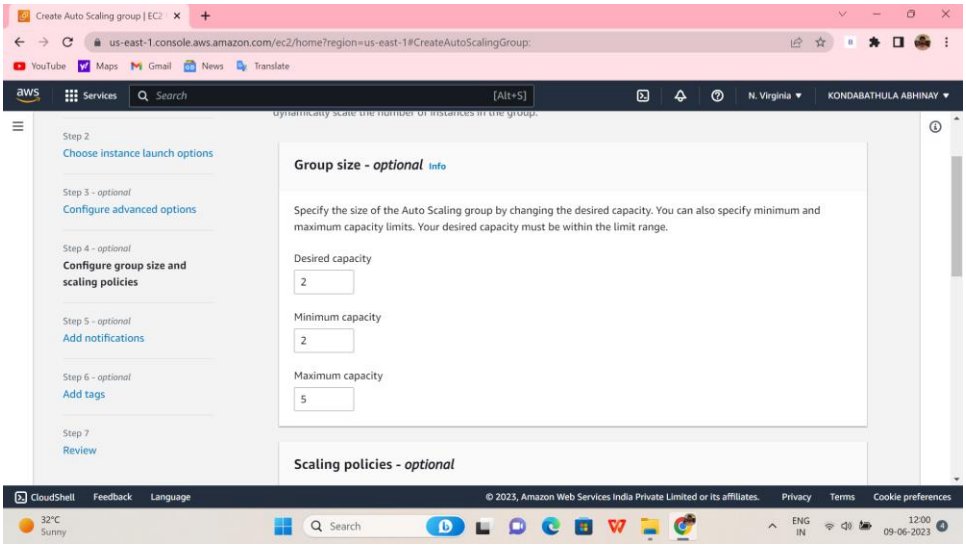
Step11: select “us-east 1a” and “us-east 1b” zones and click next.



Step12: Reduce health period to “50” seconds .

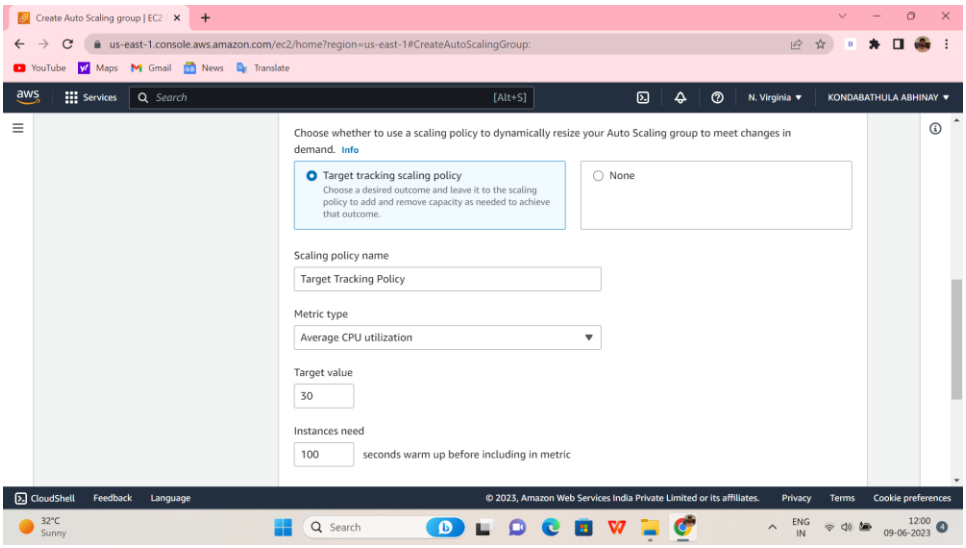


Step 13: Select Group size as –>minimum: 2 -->desired:2 --> maximum:5

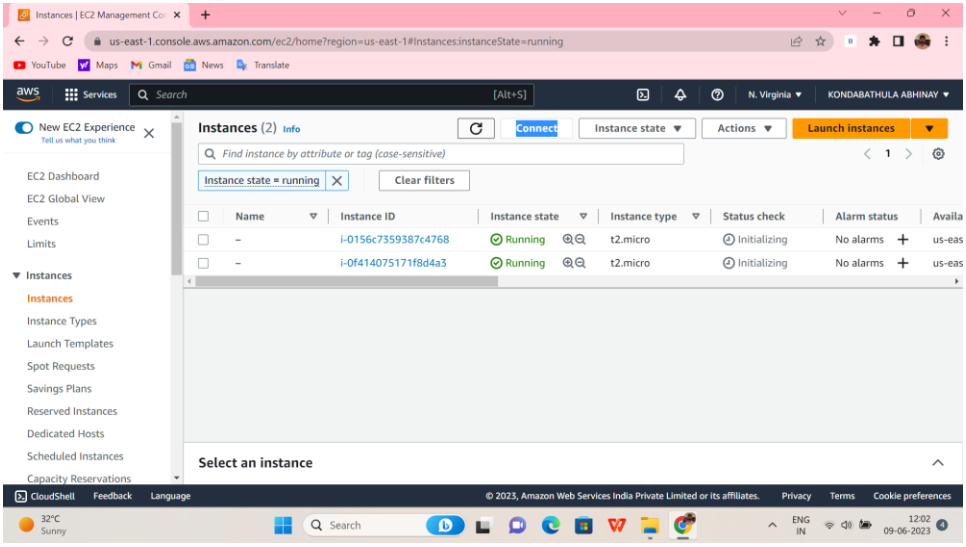


Step 14: Select “Target Tracking scaling policy”

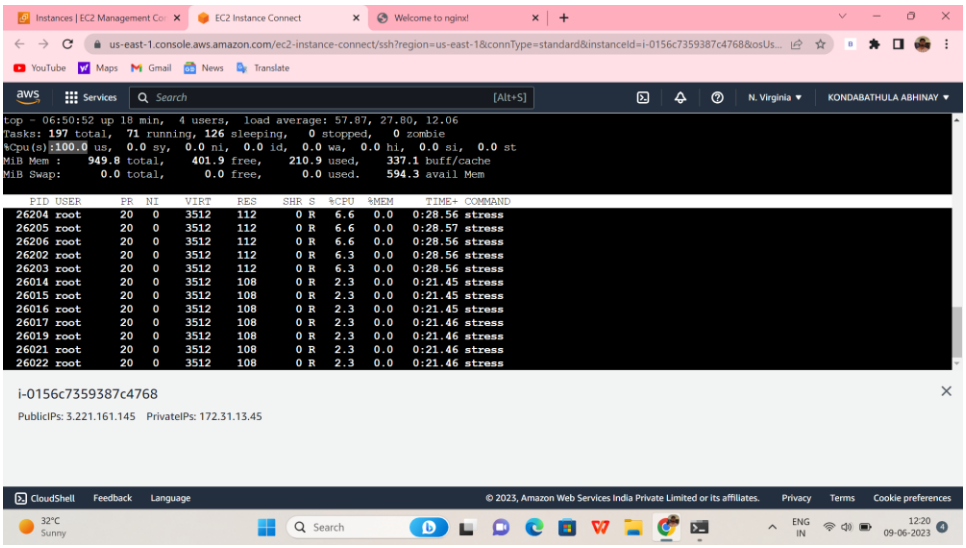
And set Target Value at 30.



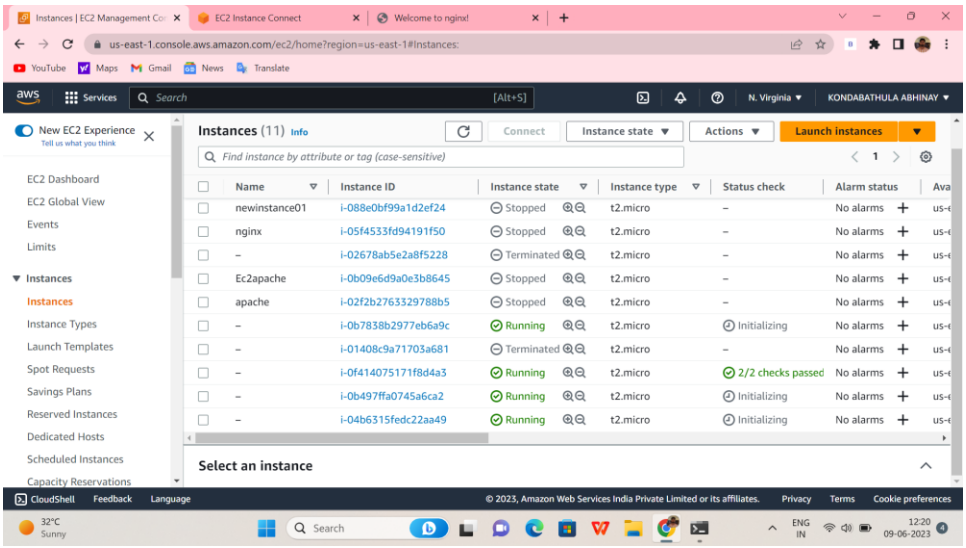
Step 15: Go back to instances you will find two unnamed instances running.



Step 16: Launch one of the instances and check the cpu capacity running by typing “top” command.



Step 17: Install stress command by using the command: “yum install stress” and type “stress -c 15” this will increase the load on cpu and makes to launch few more web servers to handle.



-You can see in my instances that few more instances are added at us-east 1a or us-east 1b locations right after I increased the stress on cpu.

- Now you can decrease the stress by using the same command: “stress -c 1” and observe that the instances will terminate themselves.

This is the Demonstration of Auto-Scaling.