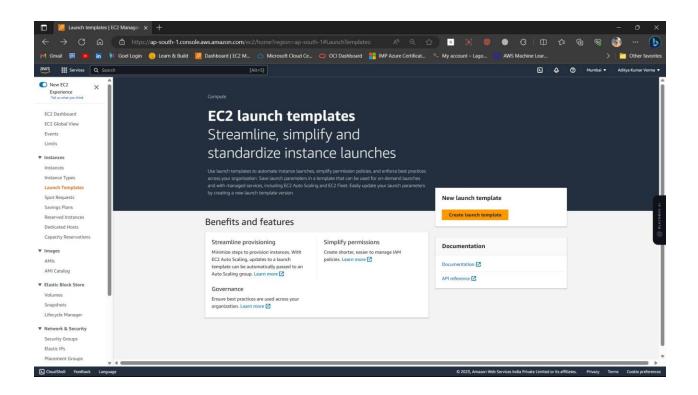
TASK 3(b)

Auto-Scaling as accordance with CPU-utilization:

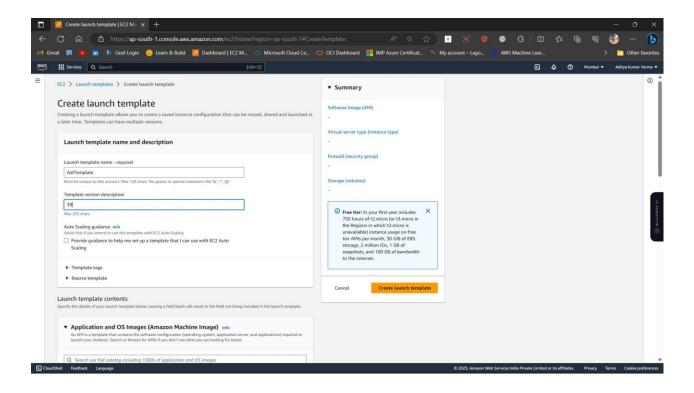
Min: 2 Desired: 2 Maximum: 5

Step 1: Open you AWS Management Console.

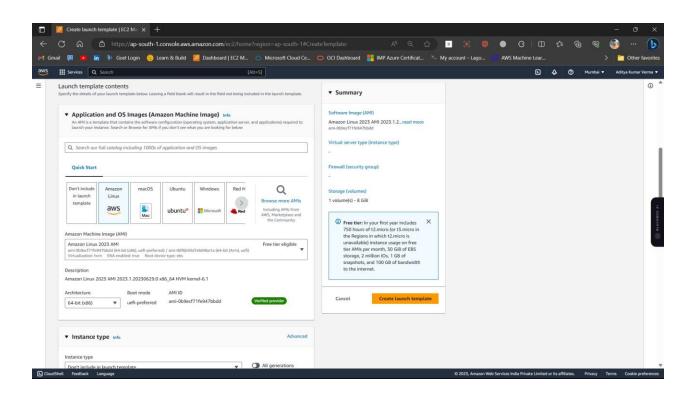
Step 2: Go to Launch Template and Launch one.



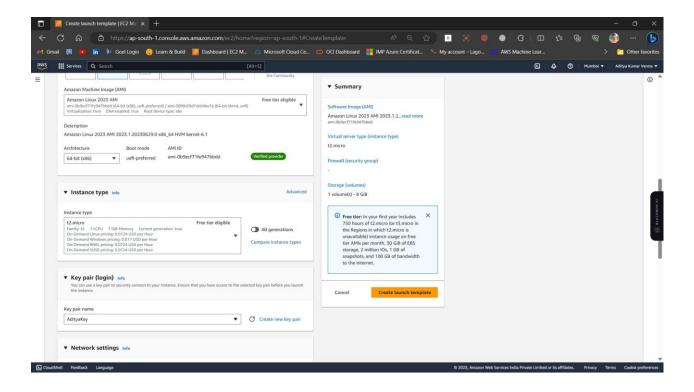
Step 3: Give a name as "AdiTemplate", and type "39" in version.



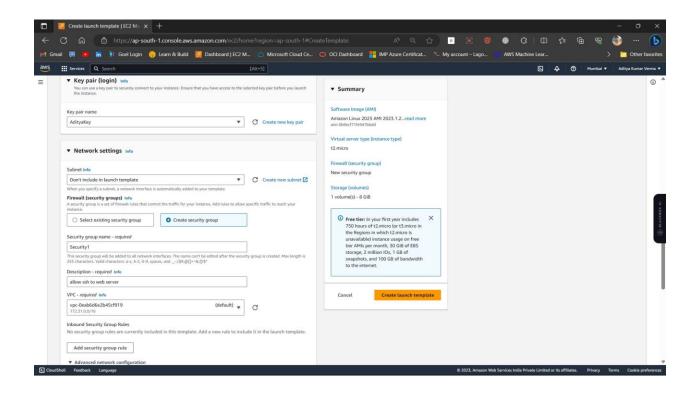
Step 4: Select "AWS Linux" for OS.



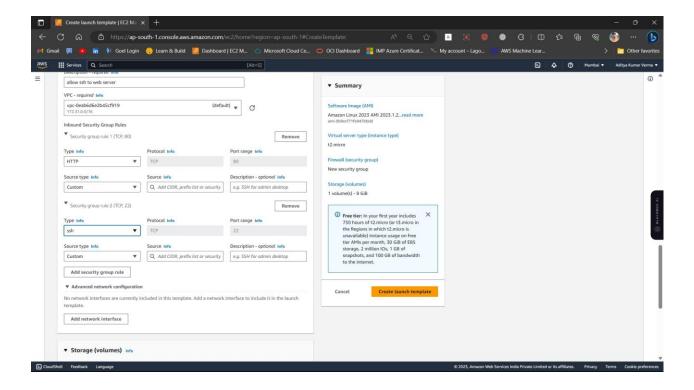
Step 5: Select "t2 micro" at instance and select a keypair "AdityaKey".



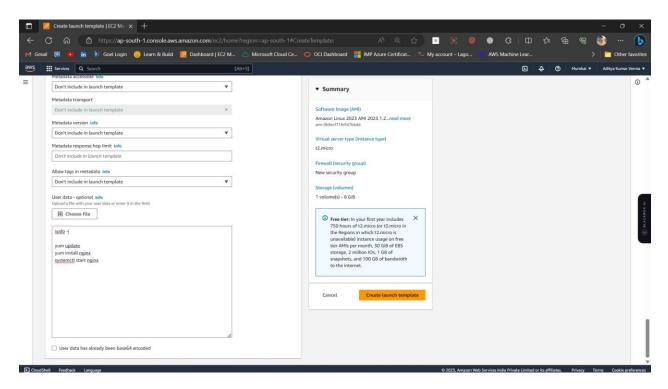
Step 6: Create a security group and give it a name as "Security1"& add description.



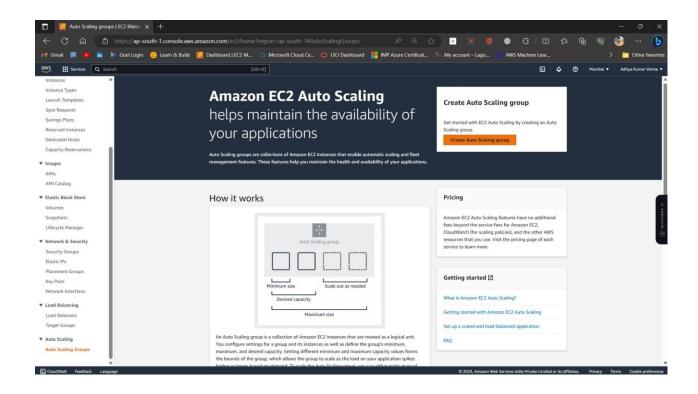
Step 7: Add two inbound rules 1. HTTP and 2. SSH.



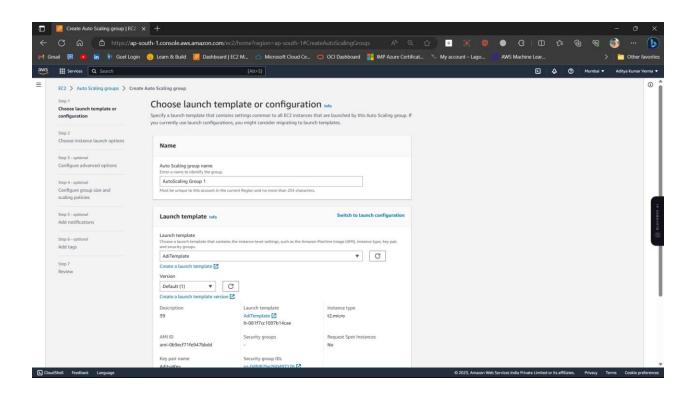
<u>Step</u> 8: In additional settings add this script and click on "Create launchtemplate".



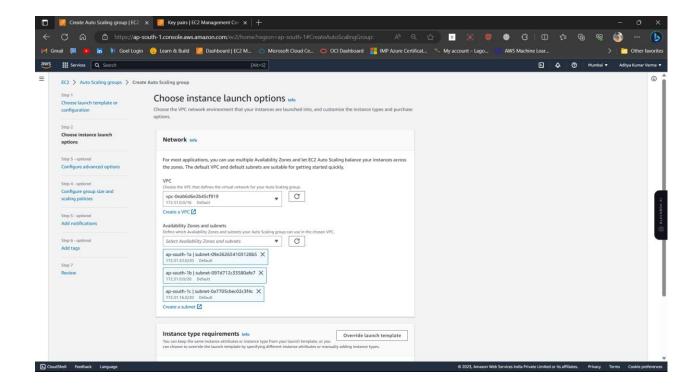
Step 9: Now go to Auto-Scaling and click on "create Auto Scaling group".



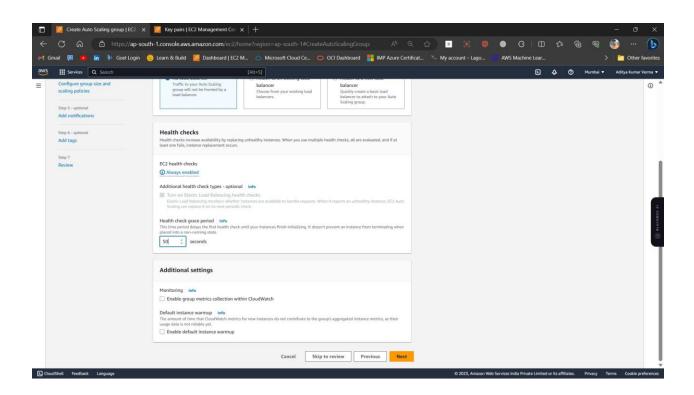
Step 10: Give a name as "AutoScaling Group 1" and select the template you just created.

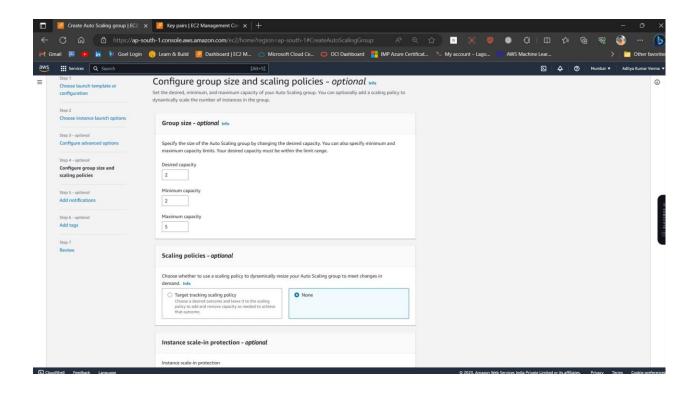


Step 11: Select "ap-south 1a" and "ap-south 1b" zones and click next.



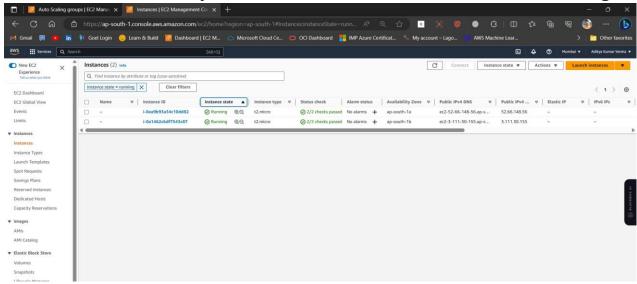
Step 12: Reduce health period to "50" seconds.



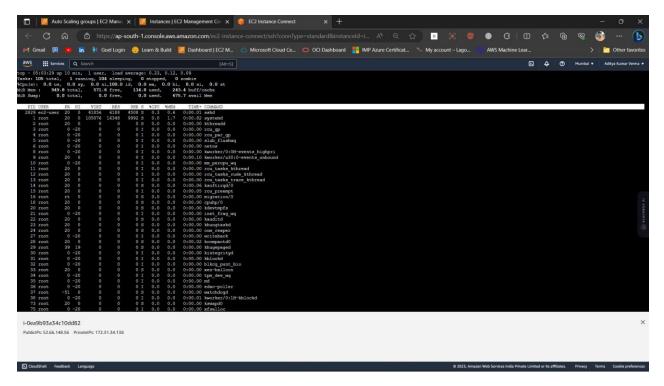


Step 14: Select "Target Tracking scaling policy"& set Target Value at 30.

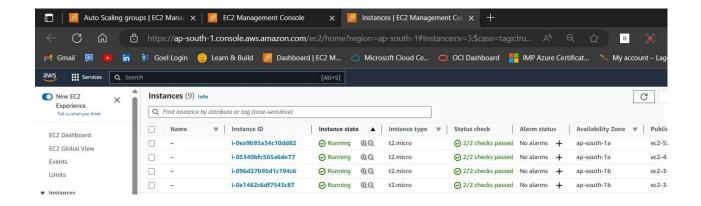
Go back to instances you will find two unnamed instances running.



Step 15: Launch one of the instances and check the cpu capacity running by typing "top" command.



Step 16: Install stress command by using the command: "yum installstress" 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.