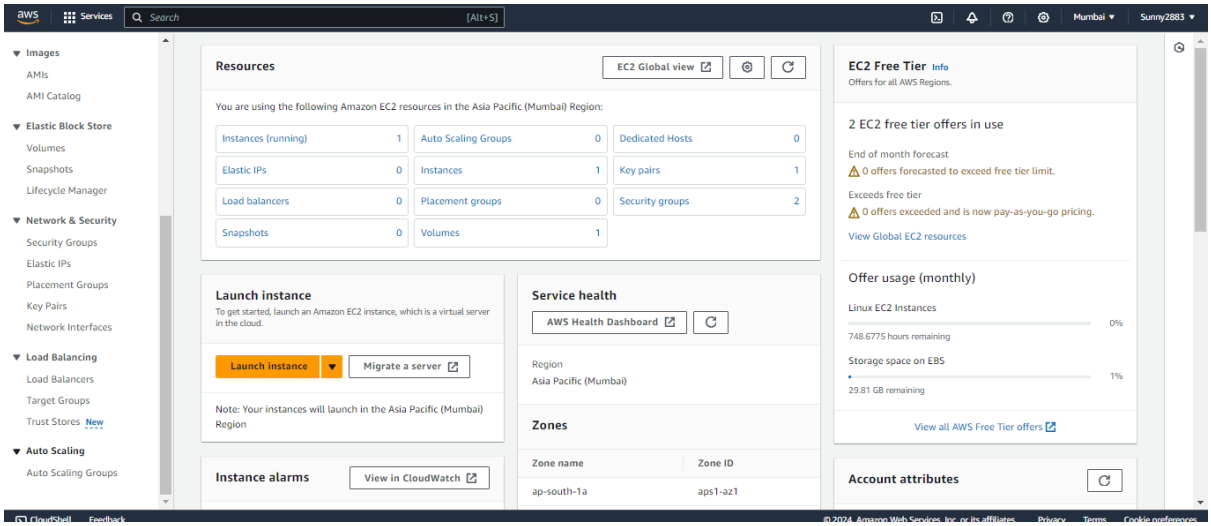
Assignment:2

Task:5

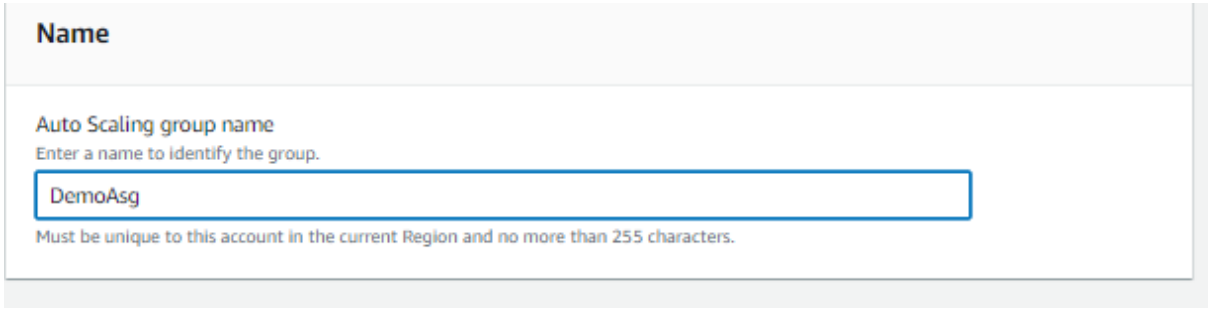
Create an ASG with minimum 1 and maximum 2 instance requirement.

Use "Stress" command for increasing CPU utilization and it should create 2nd instance automatically.

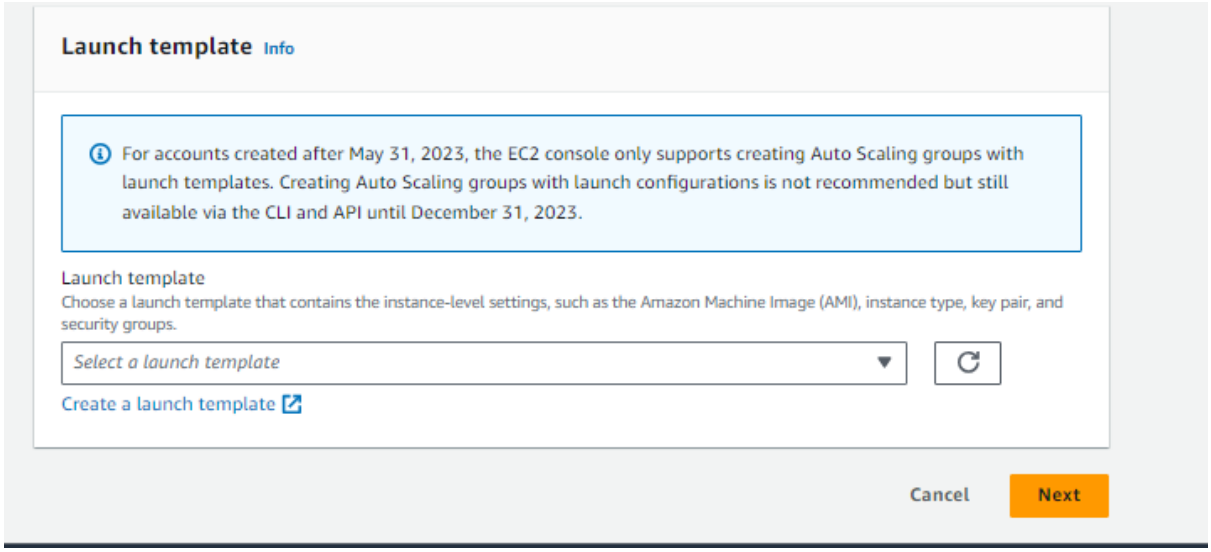
Step1: Select Auto Scaling group.



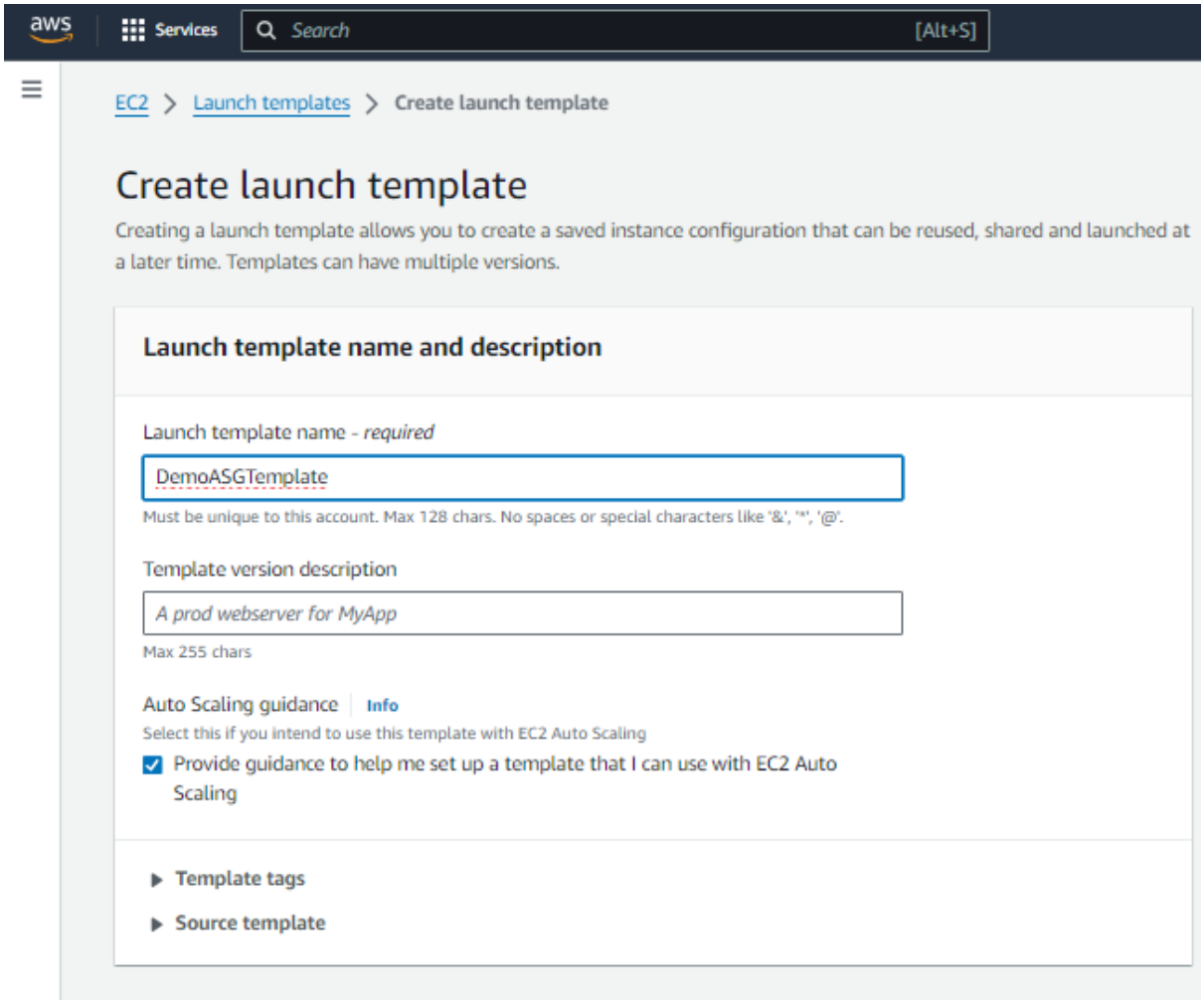
Step2: choose launch template.



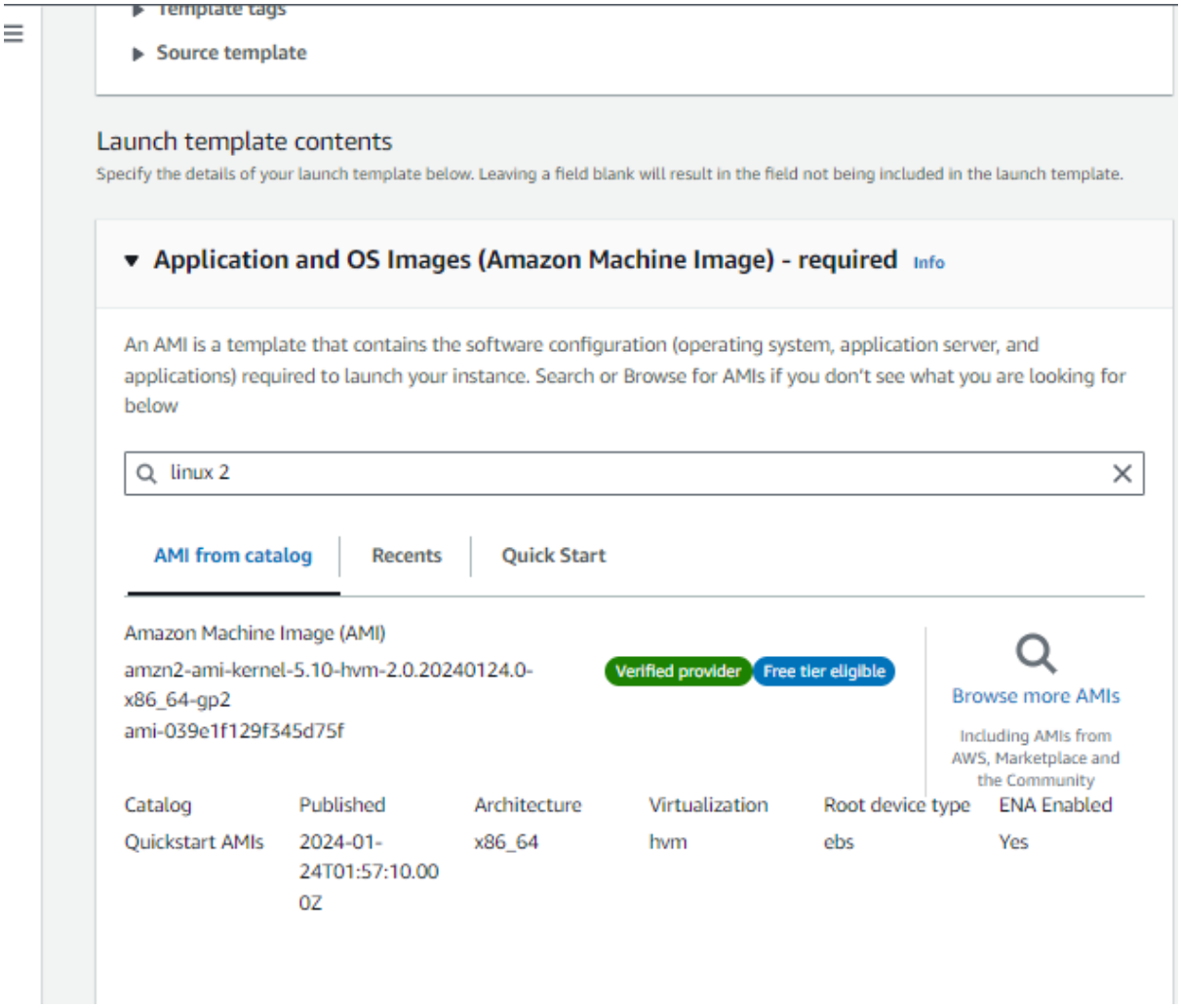
Step3: Choose Instance launch option and click create a launch template.

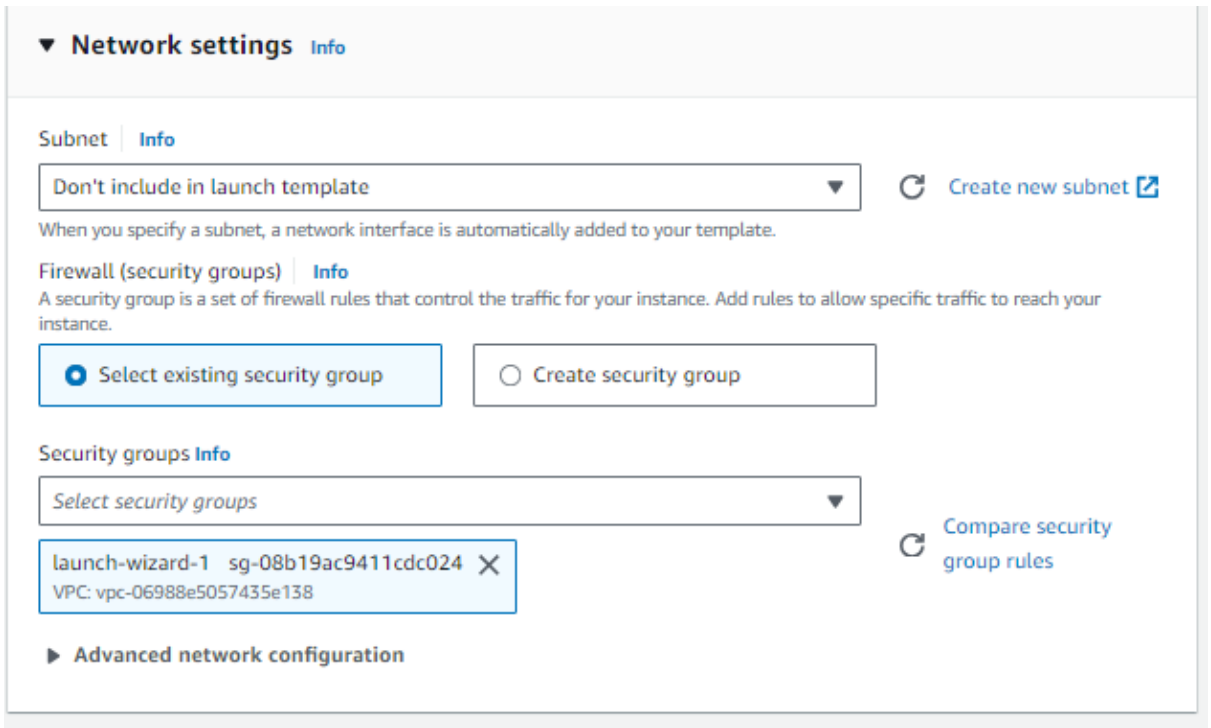


Step4: launch template name and description.

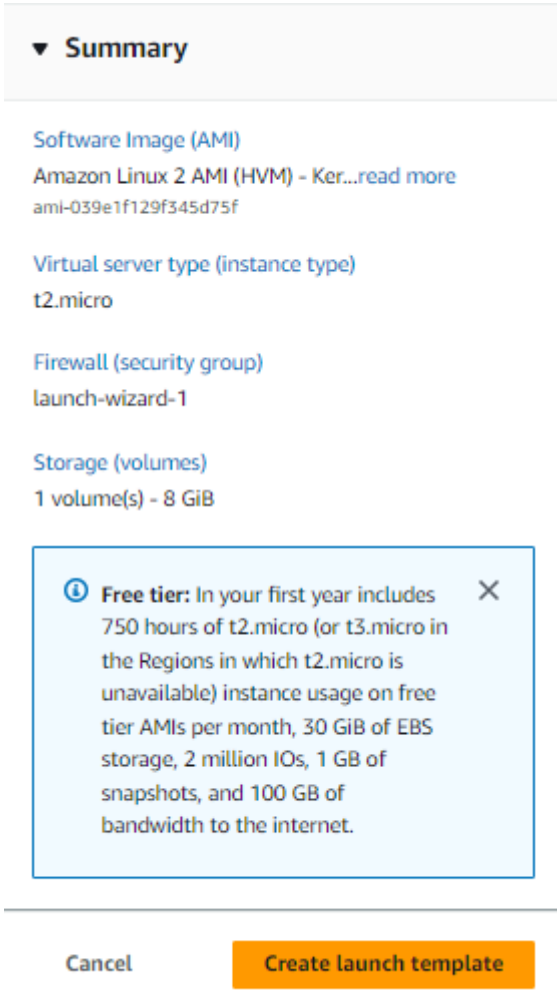


Step5: launch template contents.

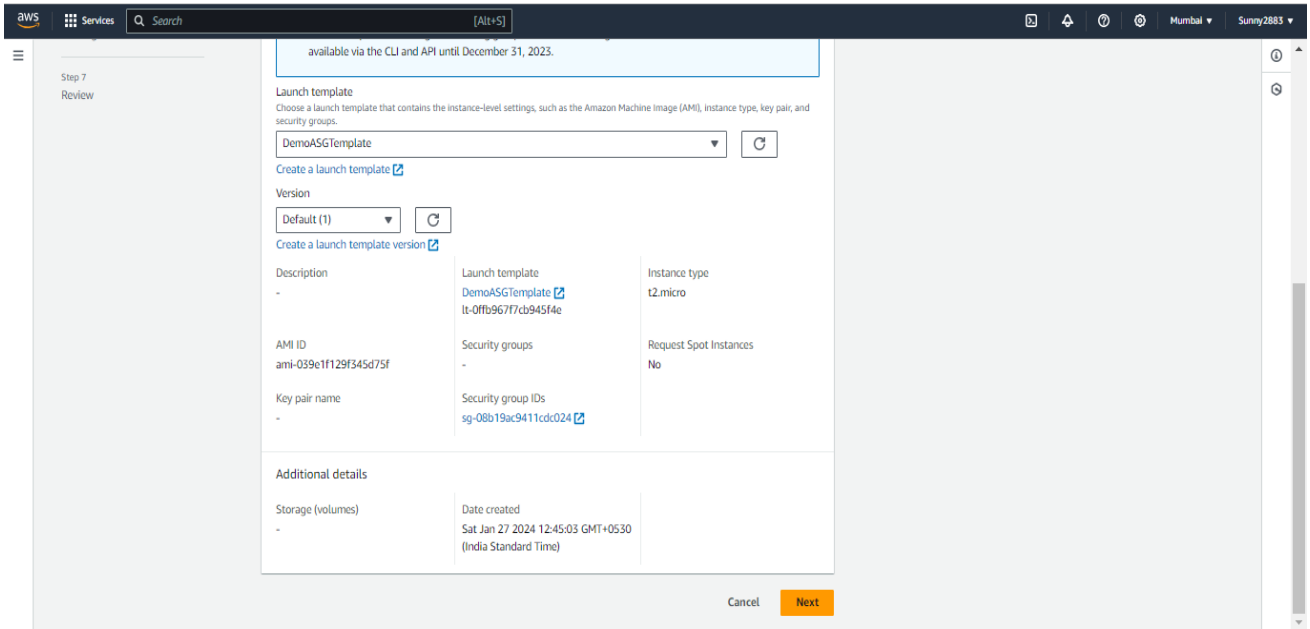

Template tags
Source template
Launch template contents
Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.
Application and OS Images (Amazon Machine Image) - required Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
linux 2
AMI from catalog
Recents
Quick Start
Amazon Machine Image (AMI)
amzn2-ami-kernel-5.10-hvm-2.0.20240124.0-x86_64-gp2
ami-039e1f129f345d75f
Verified provider
Free tier eligible
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Catalog
Published
Architecture
Virtualization
Root device type
ENA Enabled
Quickstart AMIs
2024-01-24T01:57:10.000Z
x86_64
hvm
ebs
Yes


Network settings Info
Subnet Info
Don't include in launch template
Create new subnet
When you specify a subnet, a network interface is automatically added to your template.
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Select existing security group
Create security group
Security groups Info
Select security groups
launch-wizard-1 sg-08b19ac9411cdc024
VPC: vpc-06988e5057435e138
Compare security group rules
Advanced network configuration

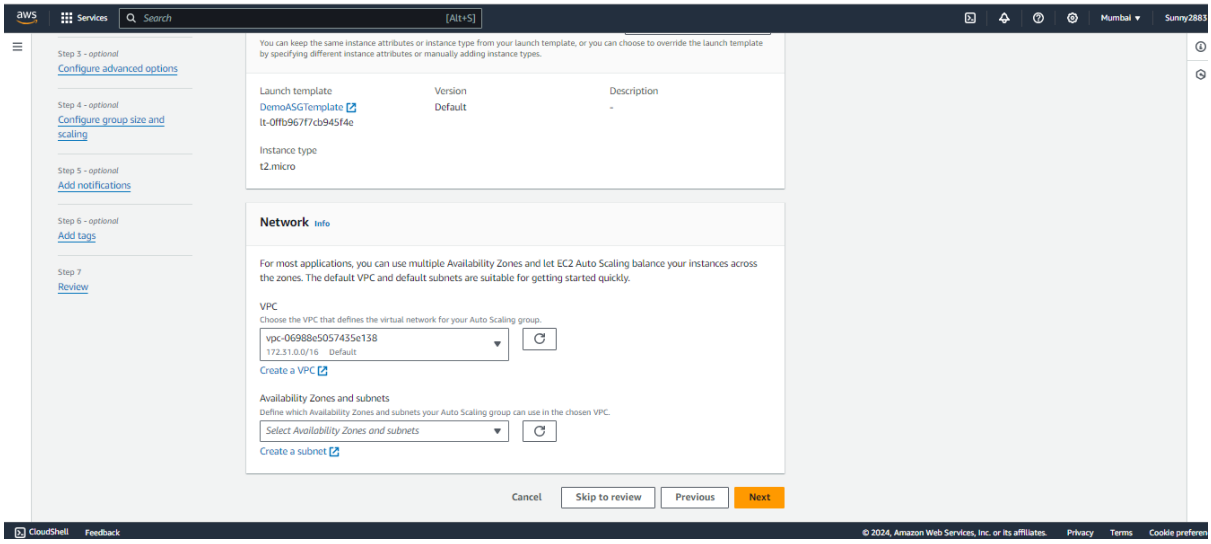
Step6:select create launch template.



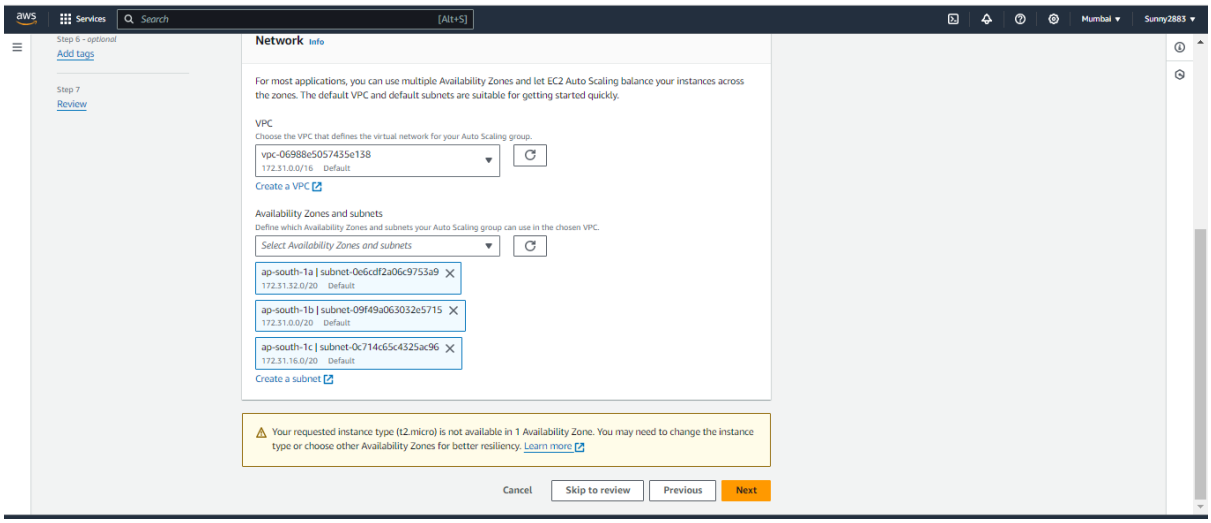
Step7: Select the launch template.



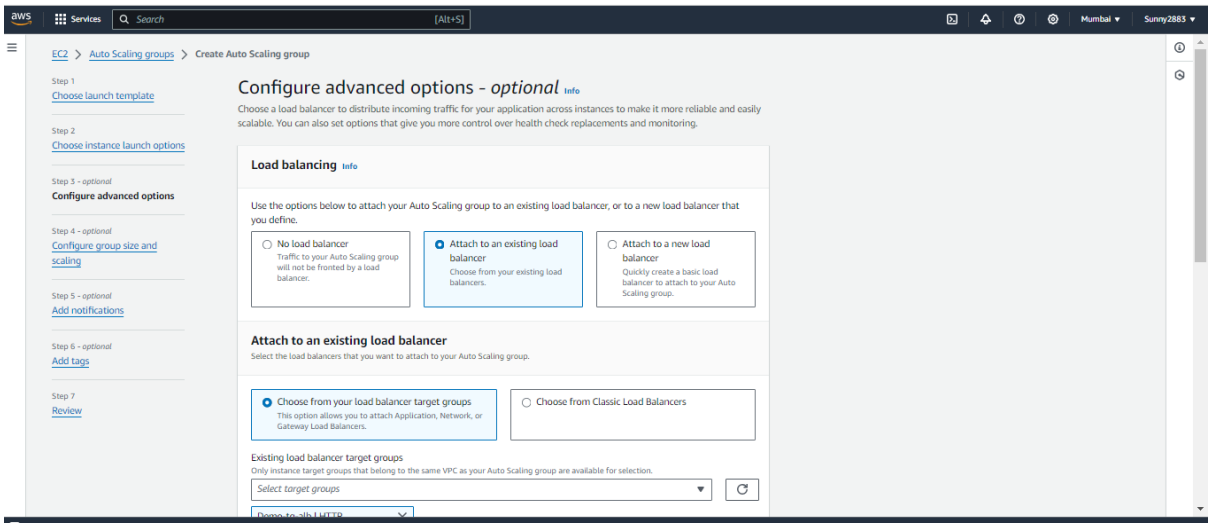
Step7: Choose instance launch option.



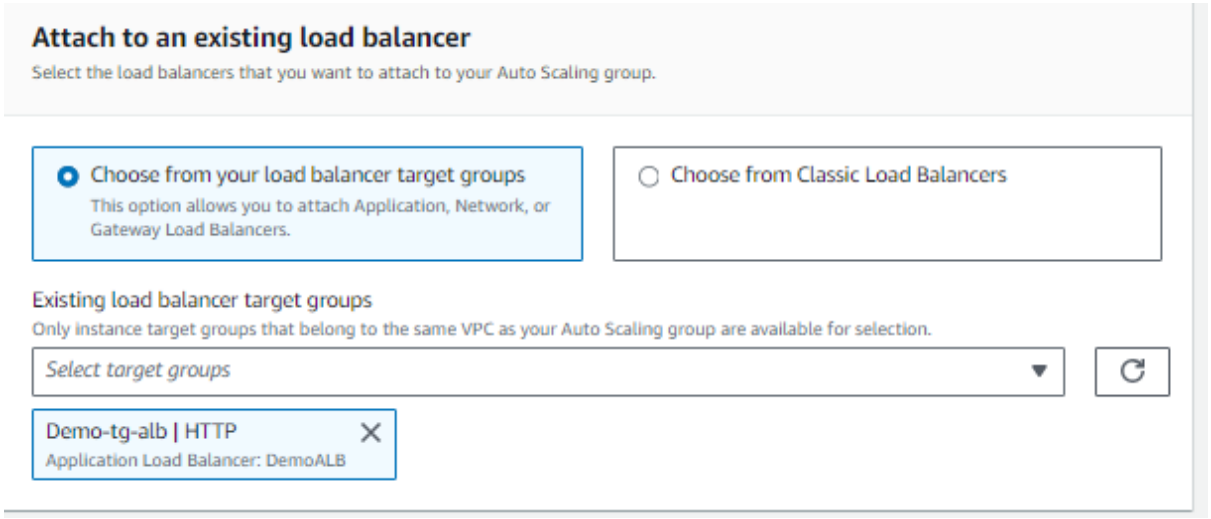
Step8: Choose availability zones



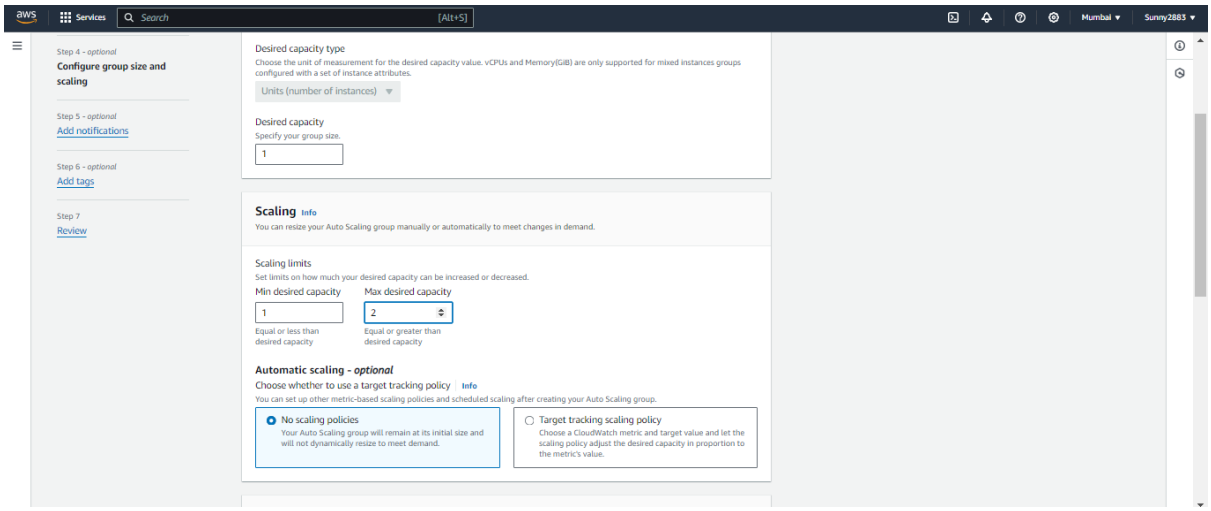
Step9: choose attach to an existing load balancer and select choose from your load balancer target group.



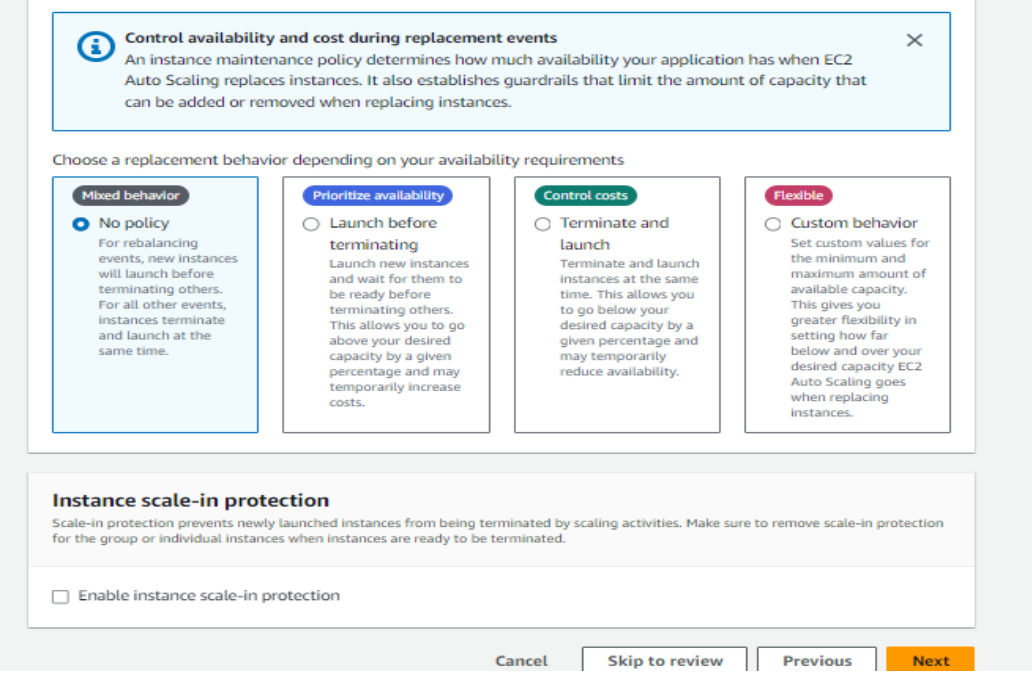
Step10: Select Demo-tg-alb (DemoALB).



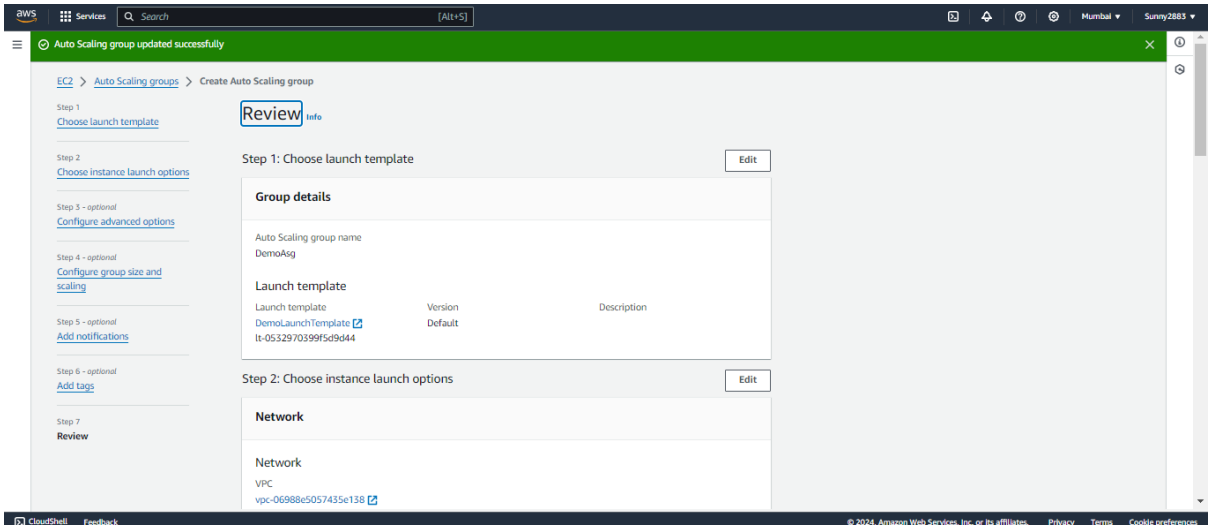
Step11: Select the desired capacity and set the minimum and maximum capacity.



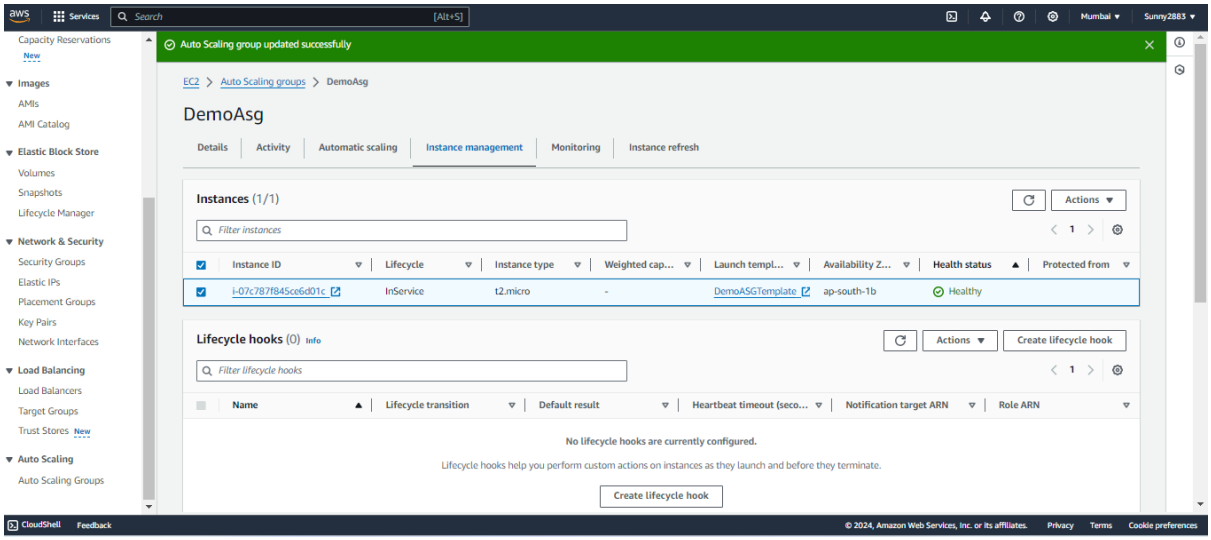
Step11: choose next.

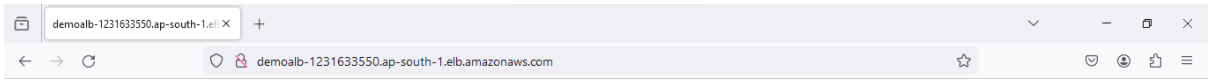


Step12: Review the configuration and click on create ASG.



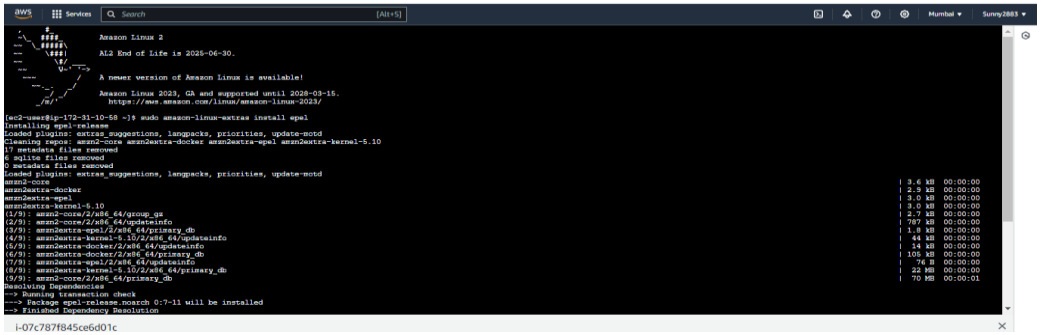
Step13: Instance launched successfully.



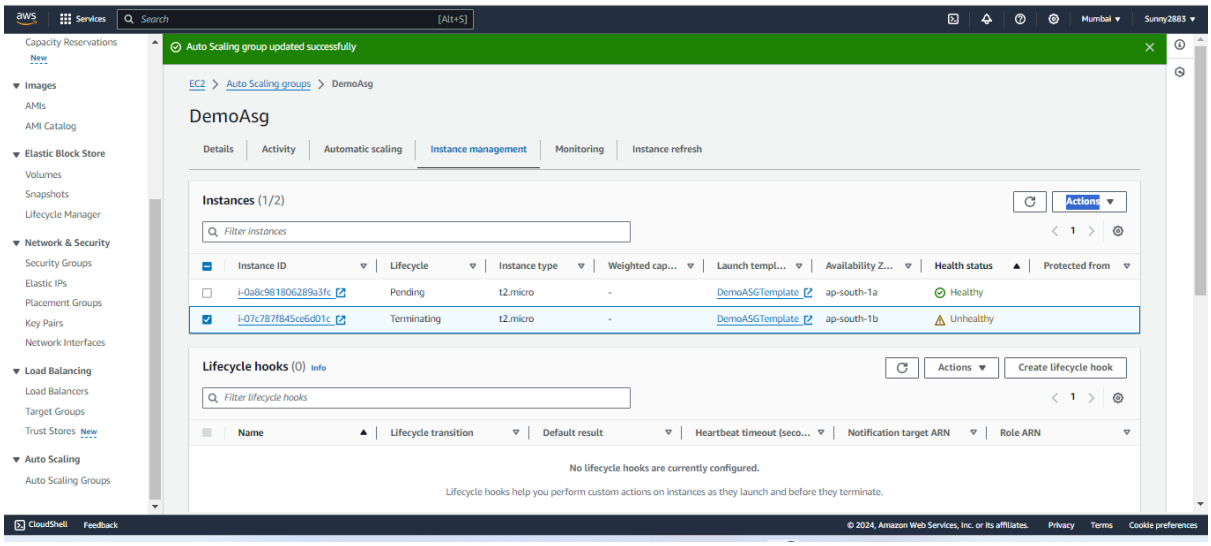


hello world from ip-172-31-34-212.ap-south-1.compute.internal

Step14: Installing and running stress command

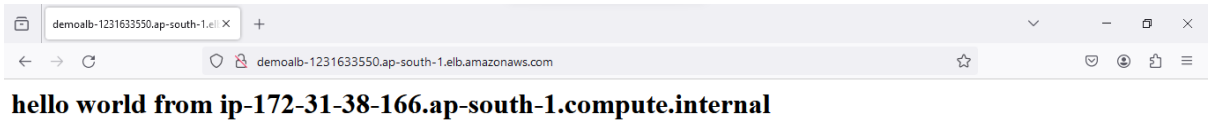


Step15: after executing stress command.



Step16: DNS name

DemoALB-1231633550.ap-south-1.elb.amazonaws.com



hello world from ip-172-31-38-166.ap-south-1.compute.internal