AUTO-SCALING PRAC

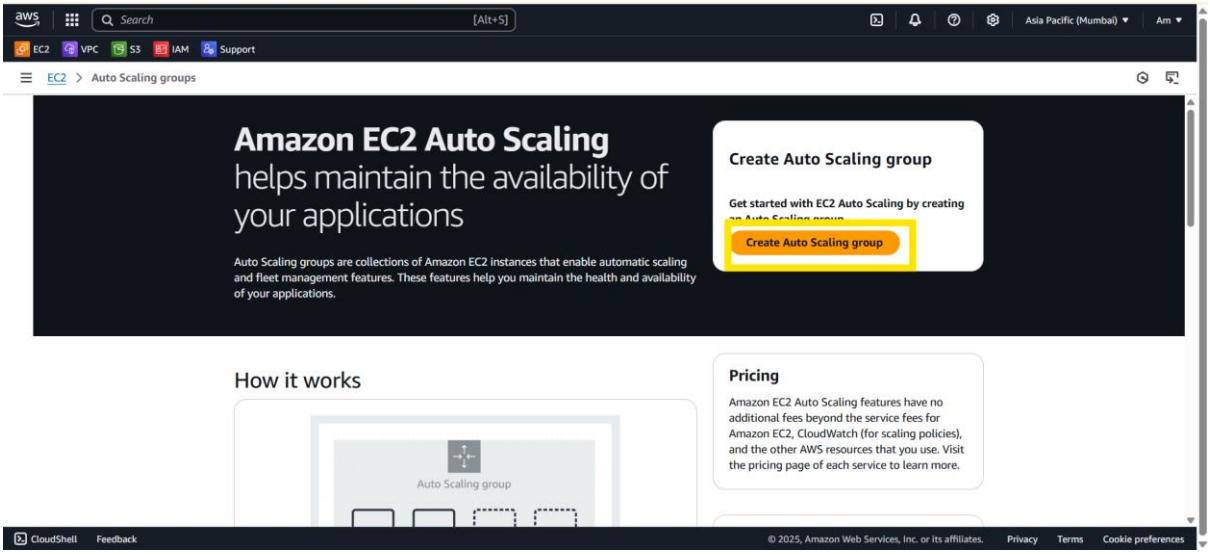
Define Auto-scaling:

system that automatically adjusts your cloud resources (like servers or databases) to match your application's needs.

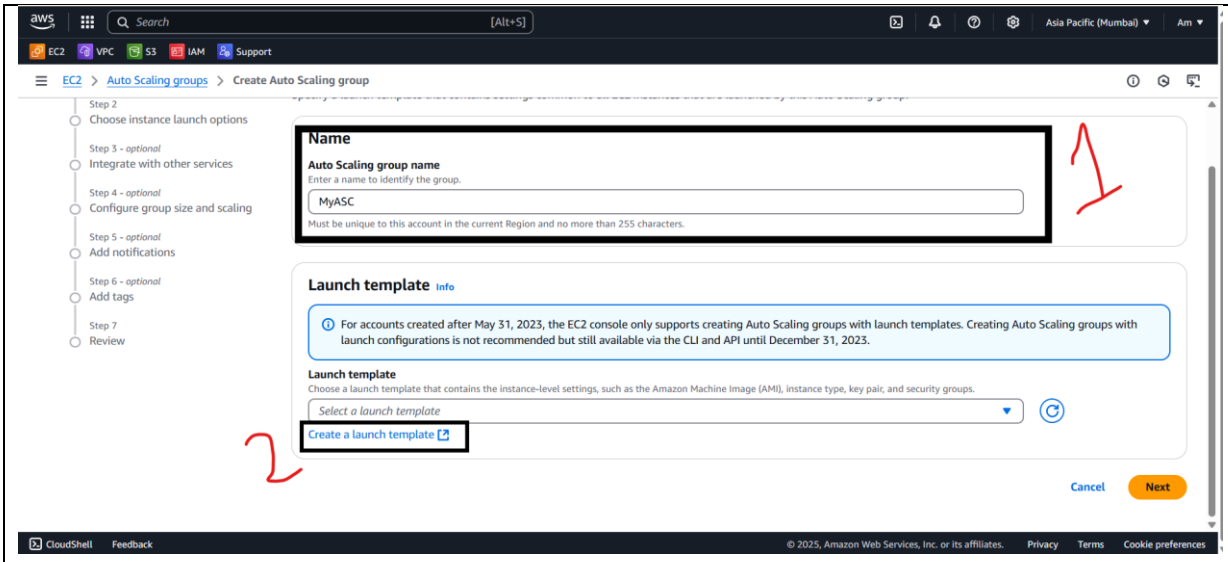
Why use Auto-scaling:

automatically adjusts your resources to match the demands of your application, ensuring optimal performance and cost efficiency.

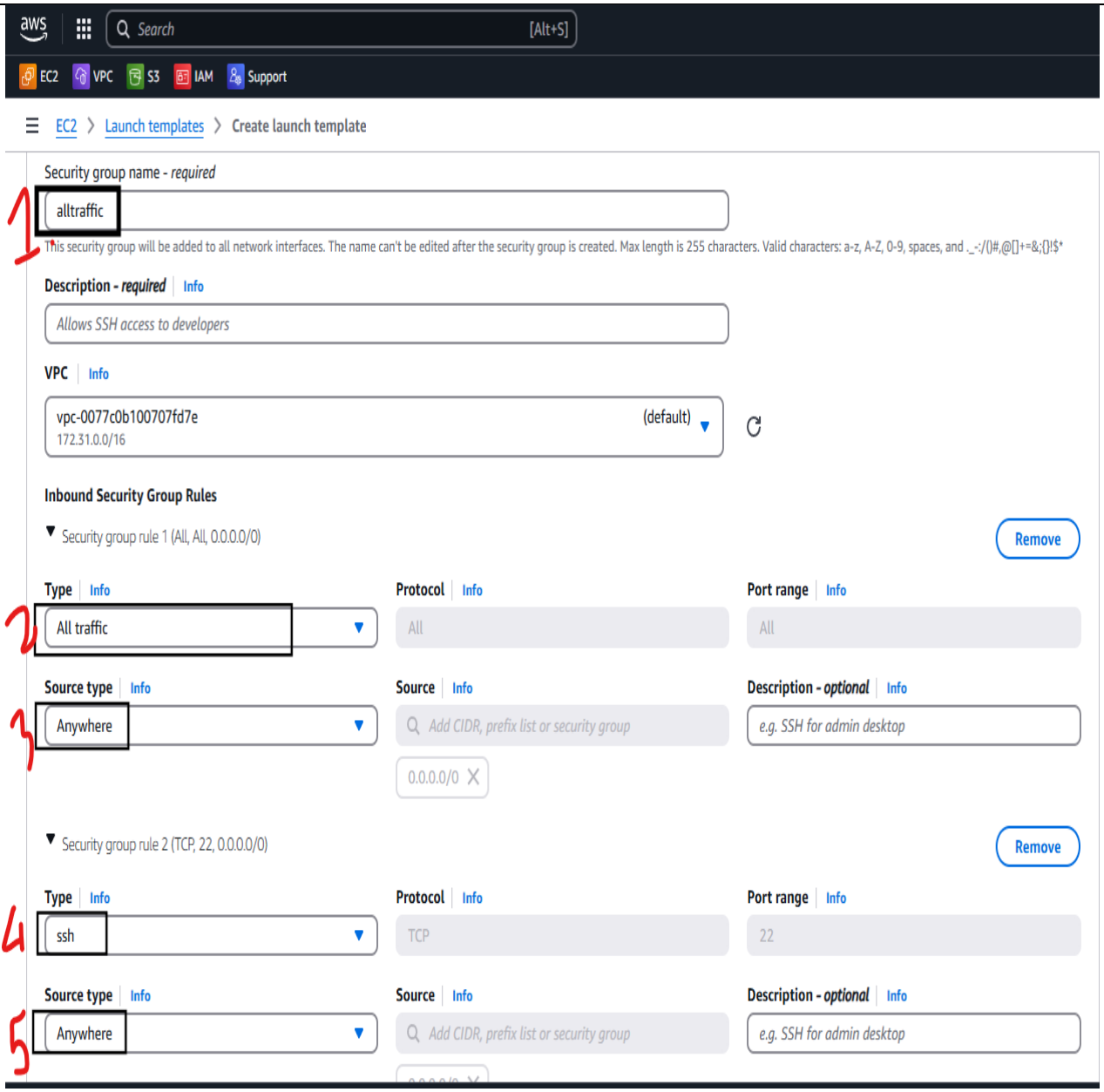
Click on create autoscaling group:-



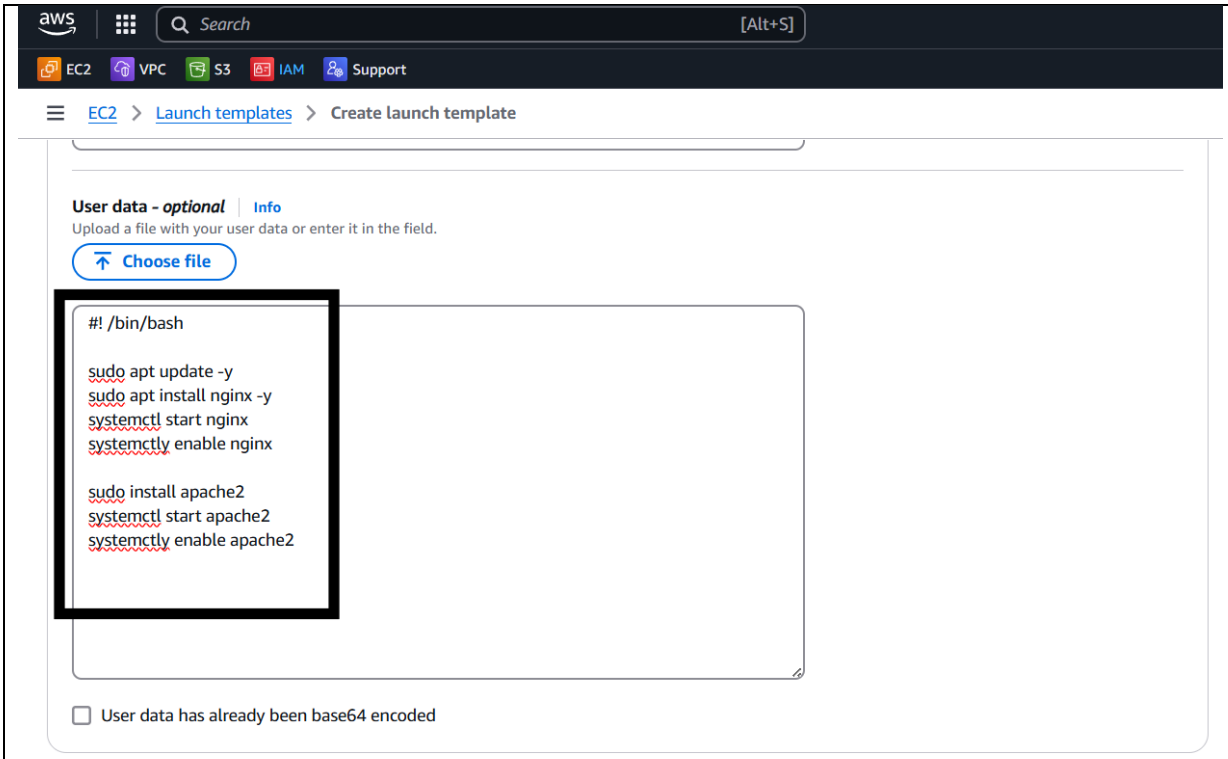
STEP 1: name it and create launch template to launch instance through launch template.



STEP 2: all other things will be same as we create a launch template I have only added a new SG name all traffic, other details can be seen in SC.

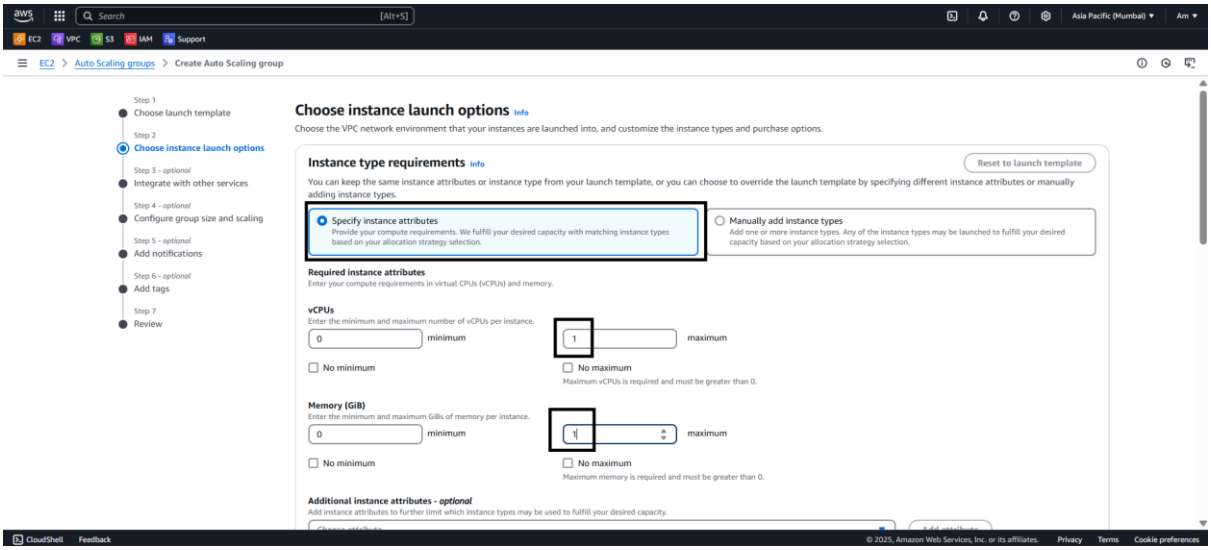


STEP 3:Adding script to install nginx and apache.

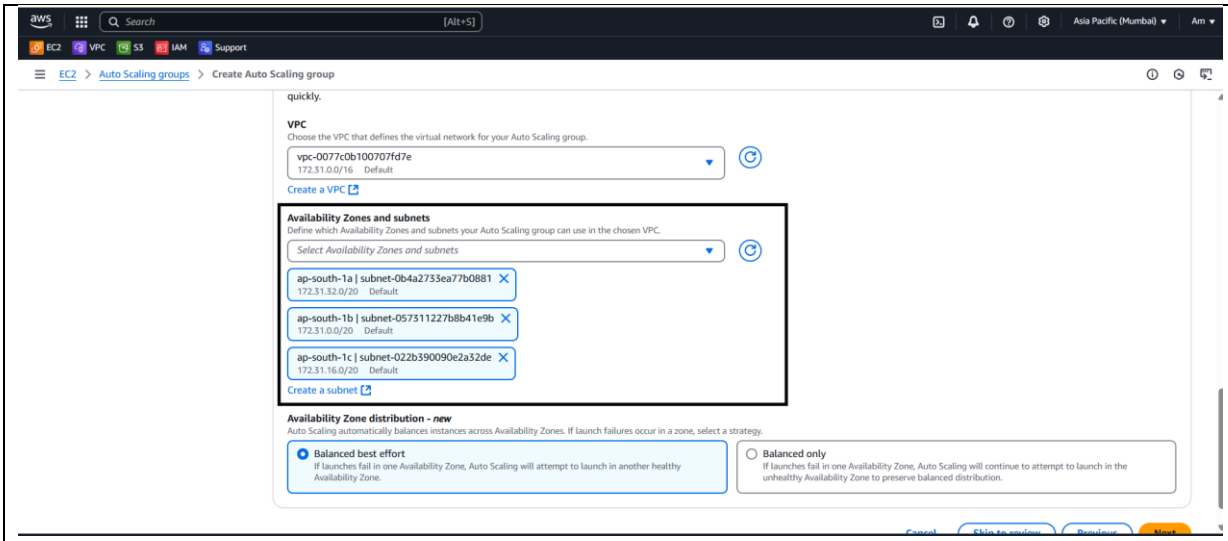


USING THIS SCRIPT SO THAT, WHEN THE INSTANCE IS LAUNCHED WE CAN DIRECTLY ACCESS BOTH THESE PROXY SERVERS BY USING PUBLIC IP OF THE INSTANCE.

STEP 4: Choosing the instance requirements of how many instances to be launched at the initial start of the instance.



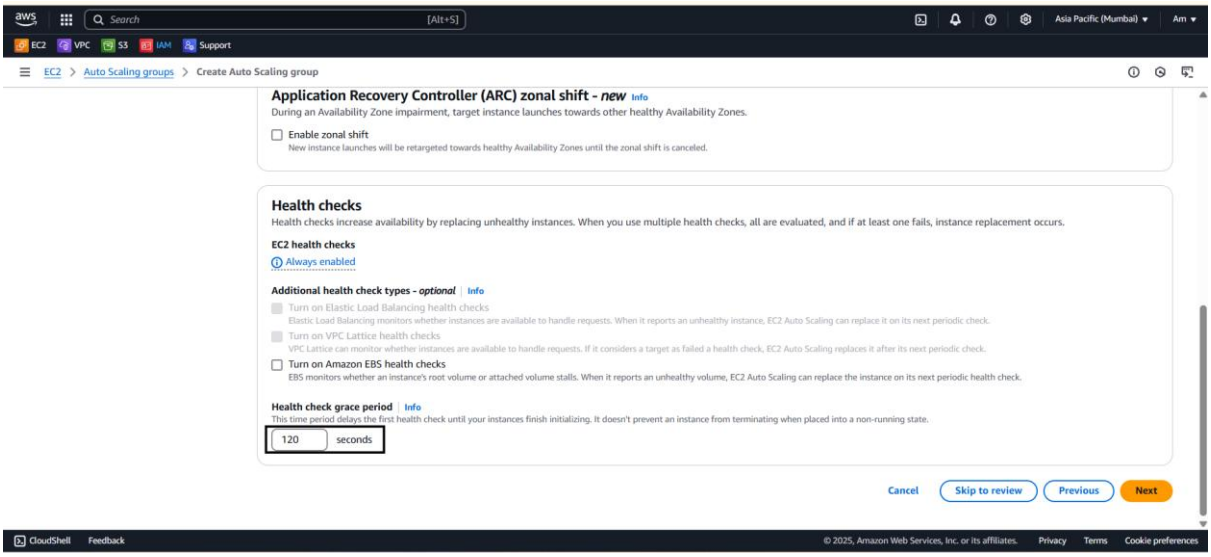
STEP 5: NETWORK CONFIG—Selecting all the AZ's



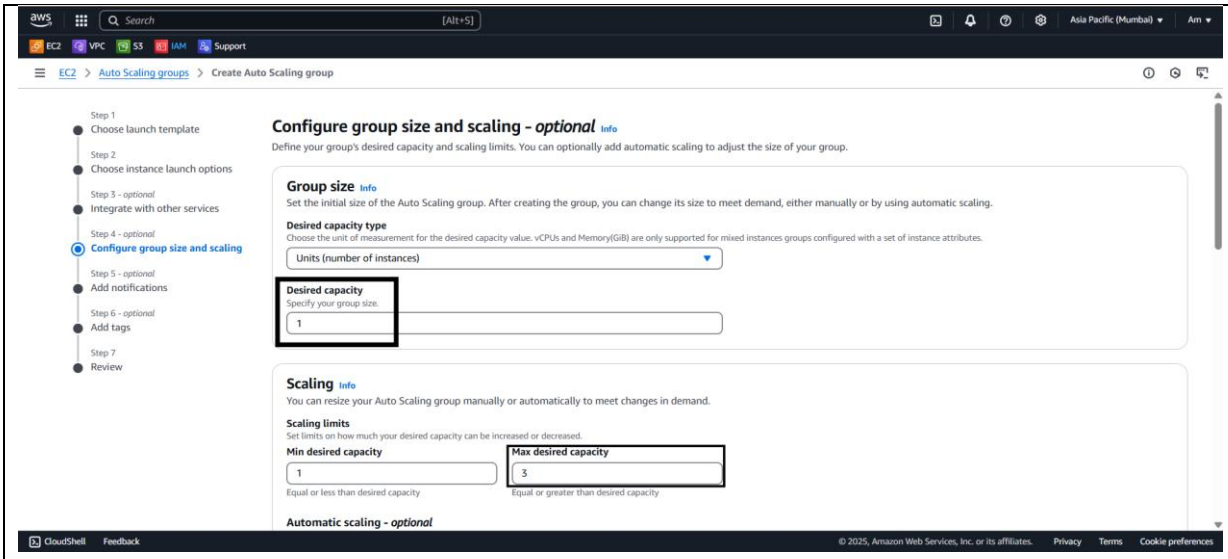
STEP 6: In health checks we give 120 seconds.

Explain why 120 seconds?

- 120 seconds mean the servers we have taken nginx and apache will refresh after 120 seconds.
- If the load increases on one primary instance, autoscaling will re-direct the traffic to other instance.



STEP 7: Set desired capacity and max. desired capacity.


Search
[Alt+S]
Asia Pacific (Mumbai)
EC2
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IAM
Support
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Integrate with other services
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Configure group size and scaling - optional Info
Define your group's desired capacity and scaling limits. You can optionally add automatic scaling to adjust the size of your group.
Group size Info
Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet demand, either manually or by using automatic scaling.
Desired capacity type
Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed instances groups configured with a set of instance attributes.
Units (number of instances)
Desired capacity
Specify your group size.
1
Scaling Info
You can resize your Auto Scaling group manually or automatically to meet changes in demand.
Scaling limits
Set limits on how much your desired capacity can be increased or decreased.
Min desired capacity
1
Equal or less than desired capacity
Max desired capacity
3
Equal or greater than desired capacity
Automatic scaling - optional
CloudShell
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