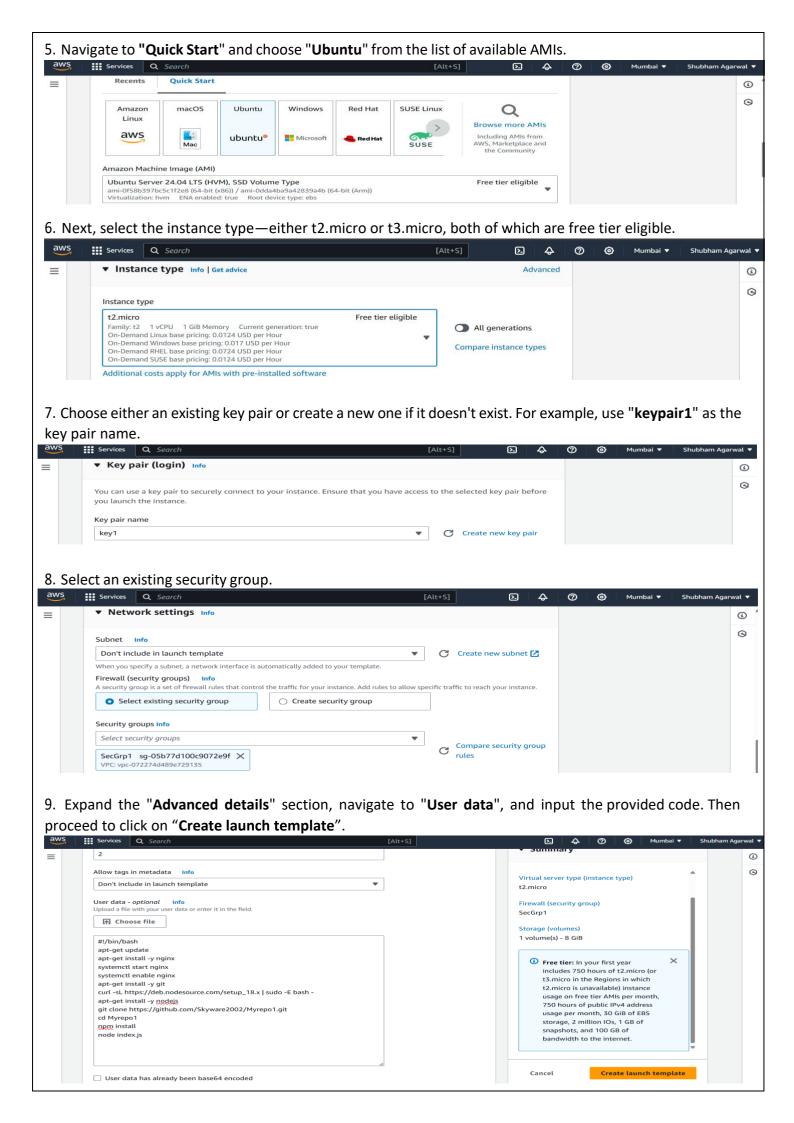
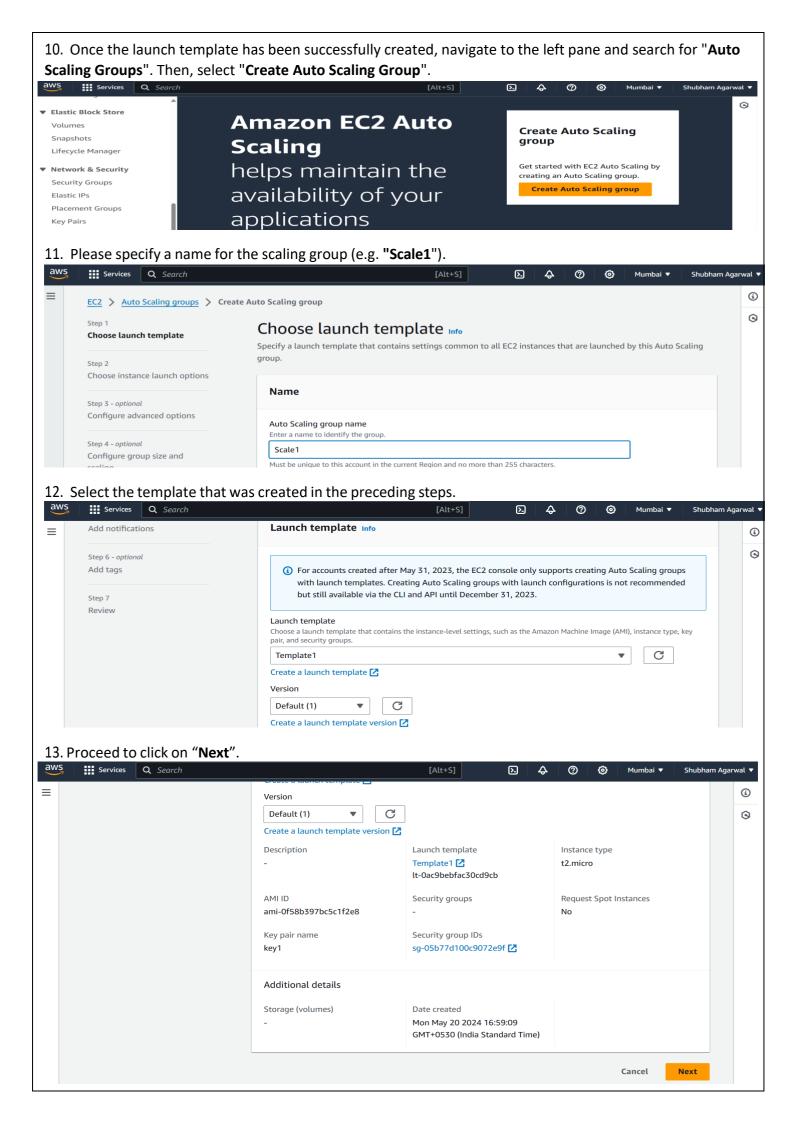
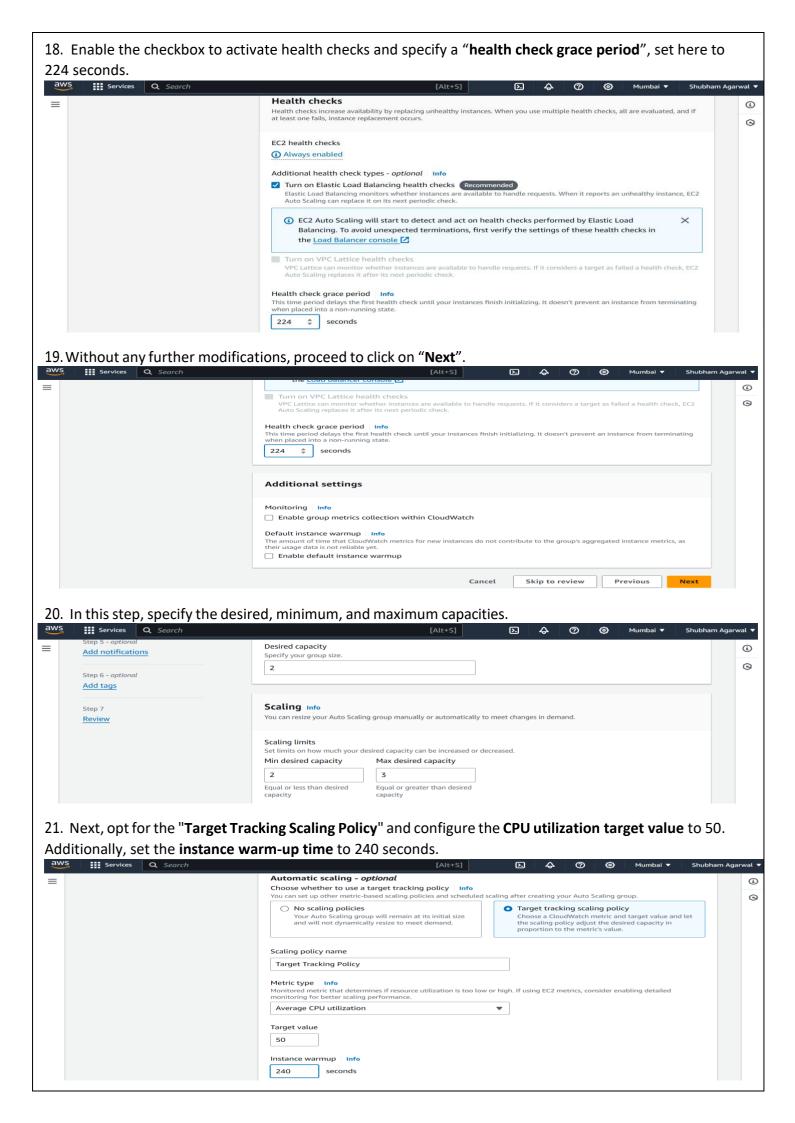


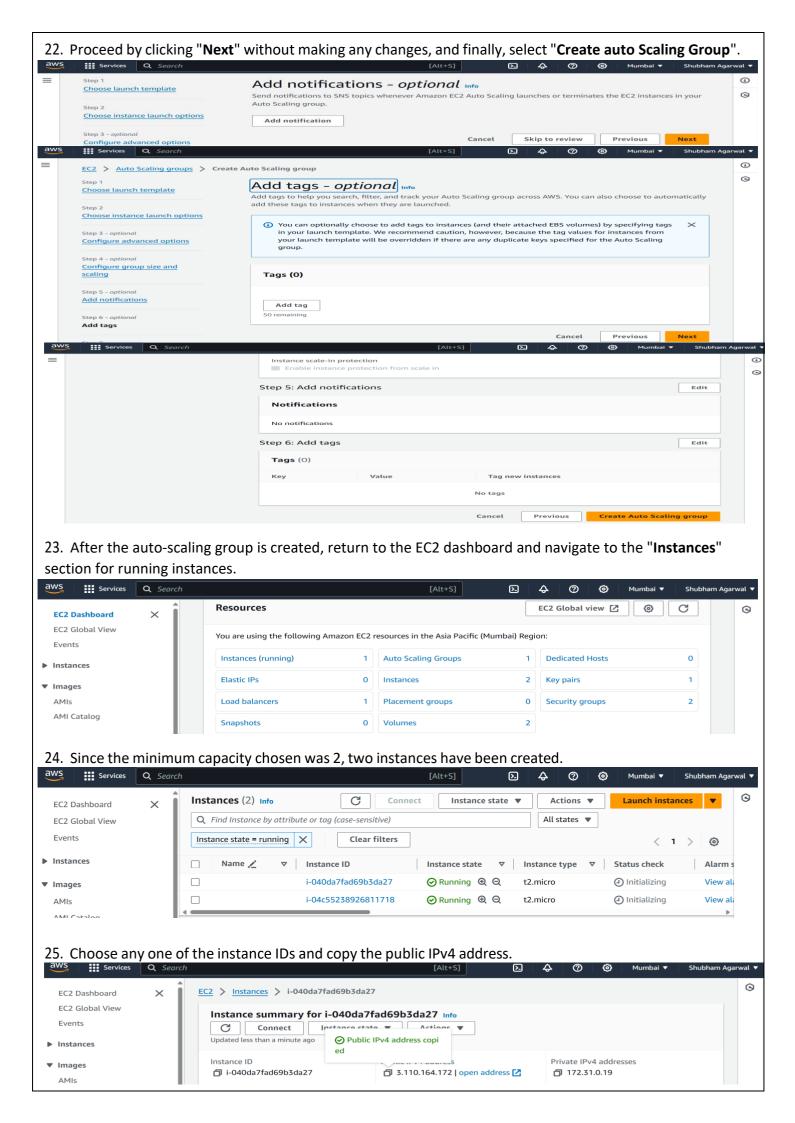
✓ Provide guidance to help me set up a template that I can use with EC2 Auto Scaling



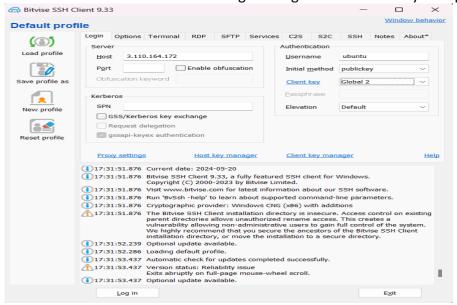


14. In the following step, choose all available availability zones and subnets, then proceed by clicking "Next". (i) vpc-072274d489e729135 C (3) Create a VPC 🛂 Availability Zones and subnets efine which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC. Select Availability Zones and subnets C ap-south-1a | subnet-08b94ca84f4955bed X ap-south-1b | subnet-091003b3f4d031d43 × ap-south-1c | subnet-0bc15b1f07f62ca22 × 172.31.16.0/20 Create a subnet [7] ⚠ Your requested instance type (t2.micro) is not available in 1 Availability Zone. You may need to change the instance type or choose other Availability Zones for better resiliency. Learn more 🔀 Cancel Skip to review Previous 15. In the subsequent step, begin by selecting "Attach to a new load balancer". Services Q Search [Alt+S] @ Mumbai ▼ Shubham Agarwal Load balancing Info **(i) Configure advanced options** (3) Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer Step 4 - optional that you define. Configure group size and Attach to an existing load Attach to a new load scaling Traffic to your Auto Scaling group will not be fronted by a balancer balancer Choose from your existing load Quickly create a basic load load balancer. balancers. balancer to attach to your Auto Scaling group. Add notifications 16. Select "Application Load Balancer" as the load balancer type and "Internet-facing" as the load balancer scheme. aws Services Q Search Σ 4 @ 0 Attach to a new load balancer **(1)** Define a new load balancer to create for attachment to this Auto Scaling group. Step 7 (3) Review Load balancer type Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, visit the Load Balancing console. 🔀 Application Load Balancer Network Load Balancer HTTP, HTTPS TCP, UDP, TLS Load balancer name Name cannot be changed after the load balancer is created. Scale1-1 Load balancer scheme Internal Internet-facing Network mapping Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones. 17. Modify the HTTP port number from 80 to 4000 and designate the scaling group created for default routing. aws Services Q Search [Alt+S]  $\Sigma$ Mumbai ▼ Shubham Agarwal ▼ Protocol Port Default routing (forward to) (i) HTTP AutoScaling1-1 | HTTP ₩ 4000 (3) Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them. Add tag

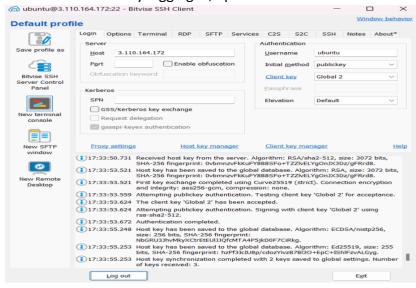




26. Launch the Bitwise SSH Client and log in using the IPv4 address you copied earlier.



27. After successfully logging in, open a new terminal console from the left pane.



28. Now write the commands in the terminal as follows: -

→ sudo nano infi.sh (creates a .sh file)

```
ubuntu@ip-172-31-0-19:~$ sudo nano infi.sh
```

→ Write this code in the file "infi.sh" to run an infinite loop.

```
GNU nano 7.2 infi.sh *
#!/bin/bash
while(true)
do
coho "Inside Loop"
done
```

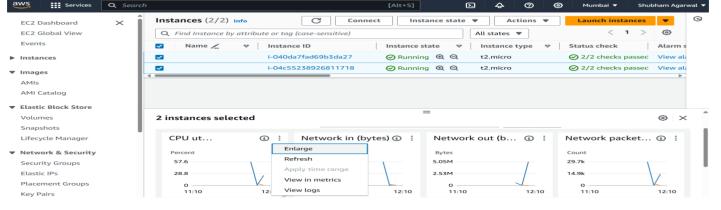
→ Press Ctrl+X and write 'y' to save the file.

```
→ sudo chmod 777 infi.sh (to provide all permission to the file)
ubuntu@ip-172-31-0-19:~$ sudo nano infi.sh
ubuntu@ip-172-31-0-19:~$ sudo chmod 777 infi.sh
```

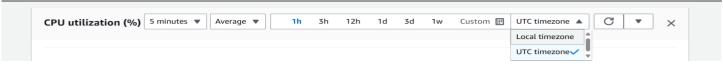
→ sh infi.sh (Run the .sh file)

```
inside Loop
```

29. Return to AWS and select both running instances. Below, locate the monitoring options, and choose "CPU utilization". Then, enlarge the view.



30. From the panel above, select "Local timezone."



31. The graph displays CPU utilization for both instances.



When the CPU utilization exceeds the limit for both instances, another instance is created, as we have set the maximum capacity to 3.

