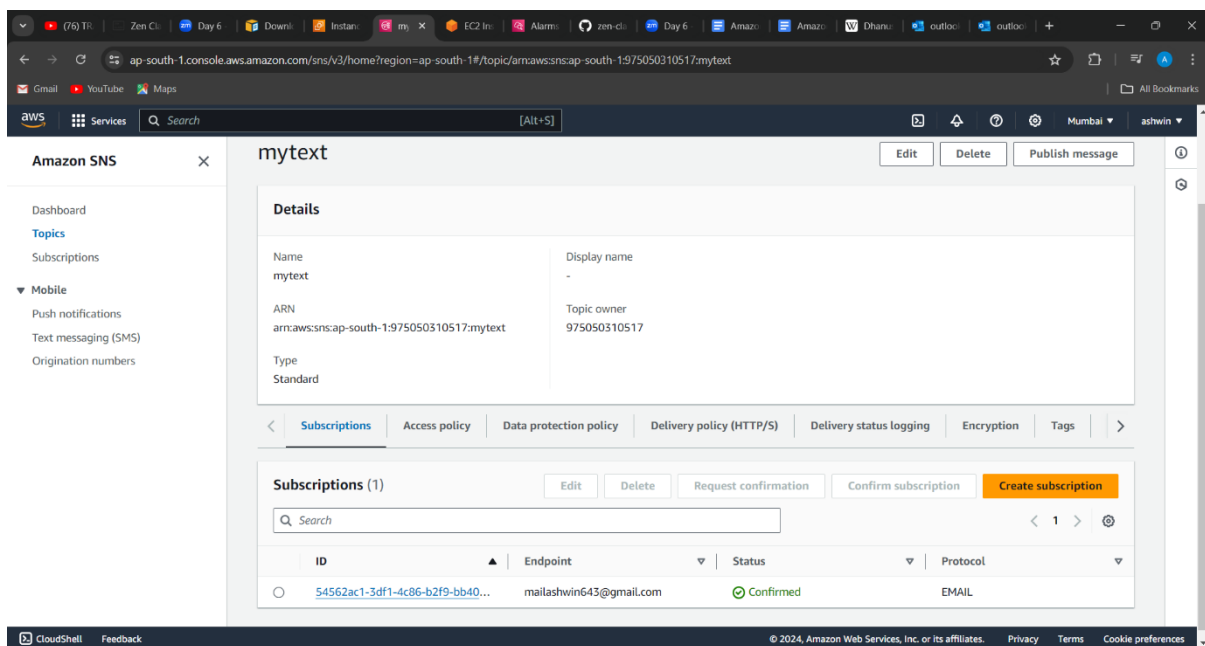


1.created a ec2 instance to monitor cpu utilization



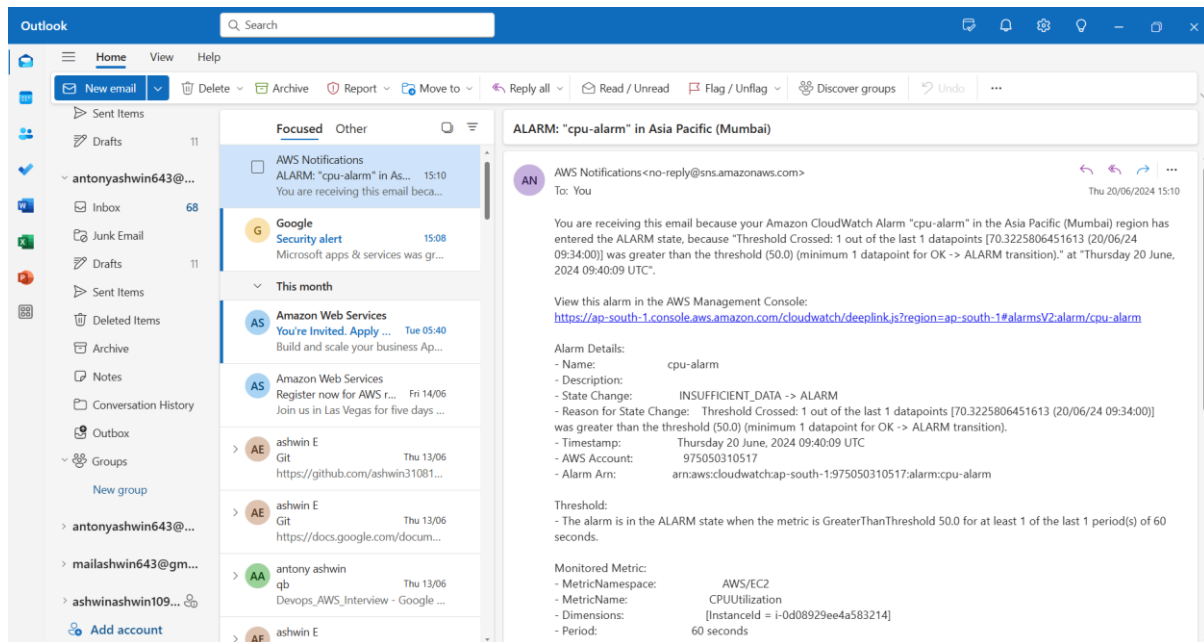
2.created a sns topic and subscribed to mail id to receive alarm message

```
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0d08929ee4a583214&osUser=ubuntu&region=ap-south-1&sshPort=22#/  
aws  
Services  
Search [Alt+S]  
Gmail YouTube Maps  
Patched 18.4 kB in 0s (1226 kB/s)  
Selecting previously unselected package stress.  
(Reading database ... 65283 files and directories currently installed.)  
Preparing to unpack .../stress_1.0.5-1_amd64.deb ...  
Unpacking stress (1.0.5-1) ...  
Setting up stress (1.0.5-1) ...  
Processing triggers for man-db (2.10.2-1) ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
No containers need to be restarted.  
  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-15-147:~$ stress -c 4 -t 60 && sleep 60 && stress -c 4 -t 60 && sleep 60 && stress -c 4 -t 360 && sleep 60 && stress -c 4 -t 460 && sleep 30 && str  
ess -c 4 -t 360 && sleep 60  
stress: info: [2112] dispatching hogs: 4 cpu, 0 io, 0 vm, 0 hdd  
stress: info: [2112] successful run completed in 60s  
stress: info: [2118] dispatching hogs: 4 cpu, 0 io, 0 vm, 0 hdd  
stress: info: [2118] successful run completed in 60s  
stress: info: [2126] dispatching hogs: 4 cpu, 0 io, 0 vm, 0 hdd  
  
i-0d08929ee4a583214 (server)  
PublicIPs: 13.201.228.244 PrivateIPs: 172.31.15.147  
CloudShell Feedback  
© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
```

3.created the metrics and given the stress to the instance to get alarm

ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:
aws
Services
Search [Alt+S]
Gmail YouTube Maps
CloudWatch
CloudWatch > Alarms
Favorites and recents
Dashboards
Alarms 1
In alarm
All alarms
Logs
Log groups
Log Anomalies
Live Tail
Logs Insights
Contributor Insights
Metrics
All metrics
Explorer
Streams
X-Ray traces
Alarms (1)
Hide Auto Scaling alarms
Clear selection
Create composite alarm
Actions
Create alarm
Search
Alarm state: Any
Alarm type: Any
Actions status: Any
< 1 >
Name State Last state update (UTC) Conditions Actions
cpu-alarm In alarm 2024-06-20 09:40:09 CPUUtilization > 50 for 1 datapoints within 1 minute Actions enabled

4.created the alarm for cpu utilization and it went from ok state to in alarm state after the stress is given



5.when the cpu utilization reached above 50% it gives the mail to configured mail address in sns