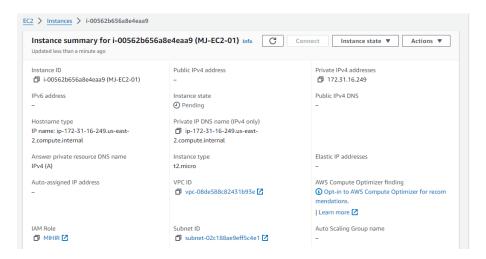
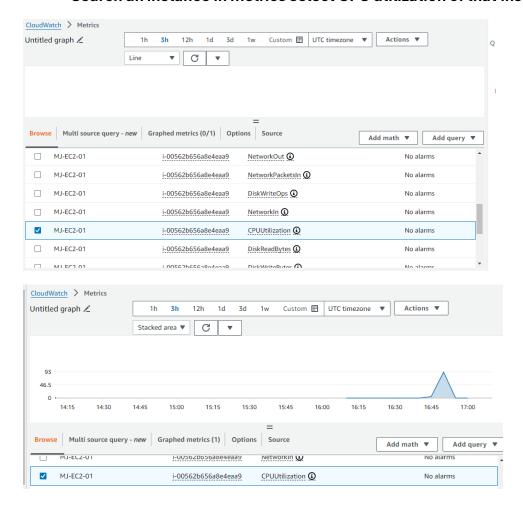
## ## Create a CPU utilization matrix for an EC2 instance on CloudWatch: -

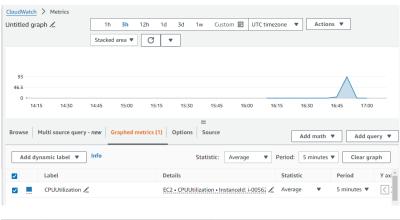
• Created a EC2 instance: -

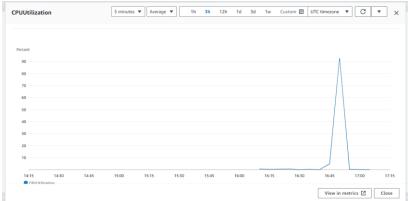


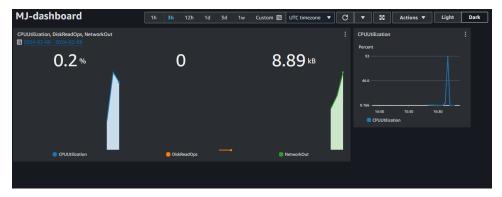
Search an instance in metrics select CPU utilization of that instance: -

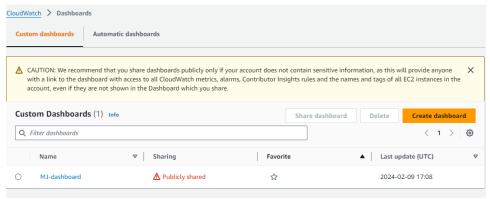


## • Created a dashboard for this: -



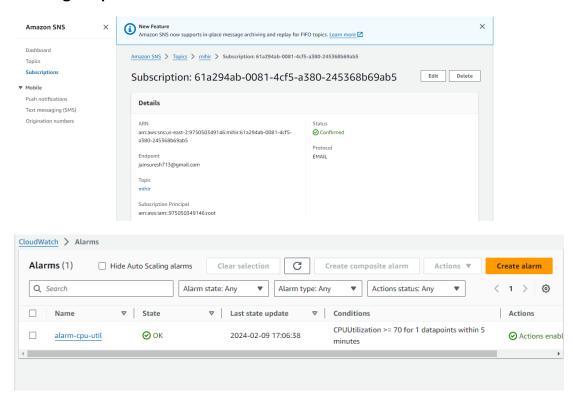






Created an Alarm with notification (email -id): -

-> using simple notification service :-

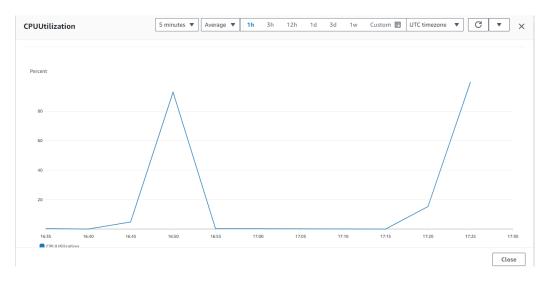


Tested the alarm: -

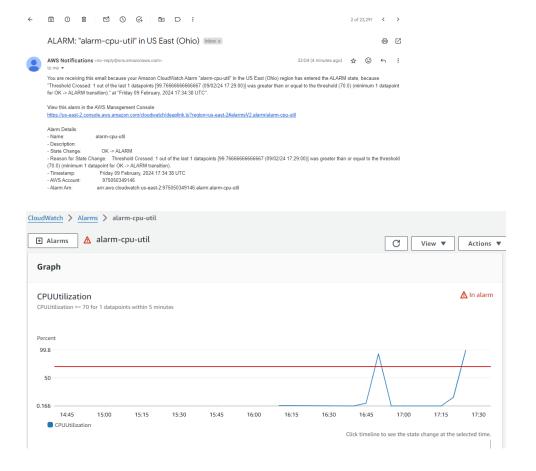
Command: - yes > /dev/null & -> (for stressing the CPU for testing)

```
ubuntu@ip-172-31-16-249:~$ yes > /dev/null &
[1] 853
 ubuntu@ip-172-31-16-249:~$ top
top - 17:28:33 up 29 min, 1 user, load average: 0.28, 0.07, 0.02
Tasks: 97 total, 2 running, 95 sleeping, 0 stopped, 0 zombie
%Cpu(s): 63.8 us, 36.2 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem: 949.7 total, 430.8 free, 186.9 used, 332.0 buff/cache
                                               0.0 free,
MiB Swap:
                      0.0 total,
                                                                                        607.6 avail Mem
                                                                     0.0 used.
      PID USER
                           PR NI
                                         VIRT
                                                   RES
                                                               SHR S %CPU %MEM
                                                                                                TIME+ COMMAND
      853 ubuntu
                                                               1920 R 99.9 0.2
                                          6188
                                                    1920
                                                                                              0:18.70 yes
                           20 0
```

• So, the limit is meet with threshold and I set the threshold value of the CPU utilization is 70 percent then alarm stop the instance: -



• Then alarm get notified me on email: -



## • So, the instance will Stop: -

