Installing & Configuring Alertmanager:

https://www.openlogic.com/blog/configuring-grafana-and-prometheus-alertmanager

https://www.robustperception.io/sending-email-with-the-alertmanager-via-gmail/

https://linuxhint.com/install-configure-prometheus-alert-manager-ubuntu/ - VERY GOOD

ARTICLE

Good Alerts: <https://awesome-prometheus-alerts.grep.to/rules.html>

wget https://github.com/prometheus/alertmanager/releases/download/v0.24.0/alertmanager-0.24.0.linux-amd64.tar.gz -P /tmp

cd /tmp

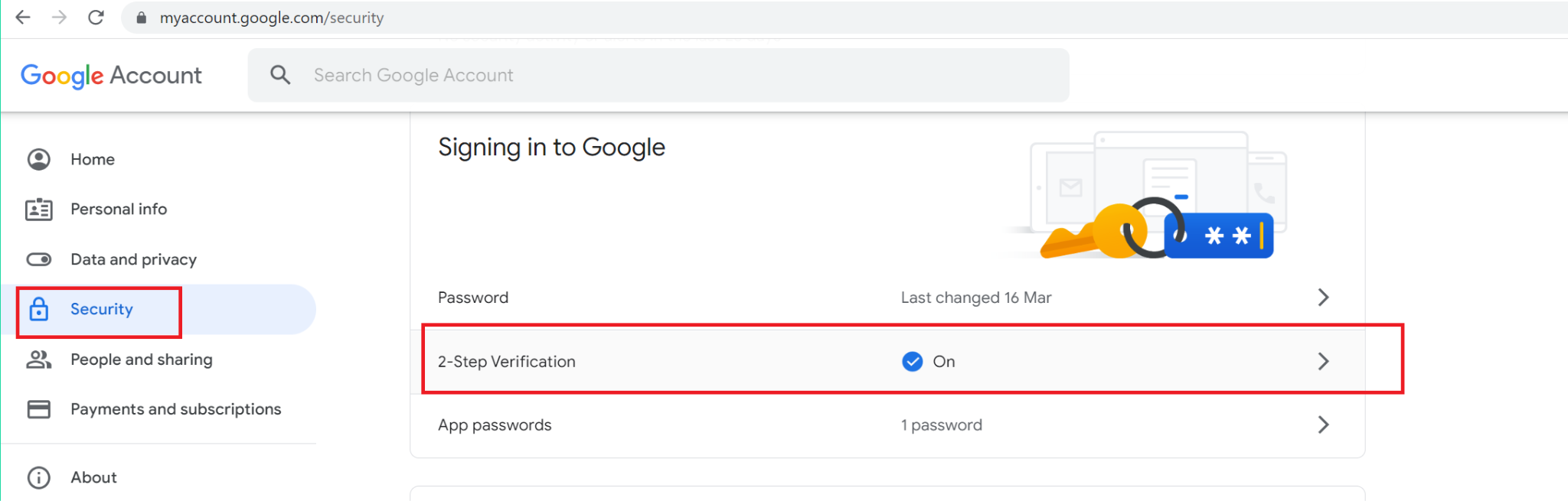
tar -xvzf alertmanager-0.24.0.linux-amd64.tar.gz

mv alertmanager-0.24.0.linux-amd64/alertmanager /usr/local/bin/

mkdir /etc/alertmanager/

sudo chown prometheus:prometheus /etc/alertmanager/

Create a new gmail app password which is needed in the next steps.



We need to create alertmanager config file with name alertmanager.yml:

sudo nano /etc/alertmanager/alertmanager.yml

route:

# Receiver name for notification

receiver: 'gmail'

# grouping definition

group\_by: ['alertname', 'Service', 'Stage', 'Role']

group\_wait: 30s

group\_interval: 1m

repeat\_interval: 1m

receivers:

# any name of Receiver

- name: 'gmail'

email\_configs:

- to: ' sreeharshagcp001@gmail.com'

from: 'sreeharshagcp001@gmail.com'

smarthost: smtp.gmail.com:587

auth\_username: 'sreeharshagcp001@gmail.com'

auth\_identity: 'sreeharshagcp001@gmail.com'

auth\_password: 'ownjmmdrjvhnfcfi'

Create a file alert\_rules.yml in the same folder /etc/prometheus/ and copy the contexts of alert\_rules.yml which is in the google drive.

UPdate prometheus.yml file with the alertmanager configuration as below.

alerting:

alertmanagers:

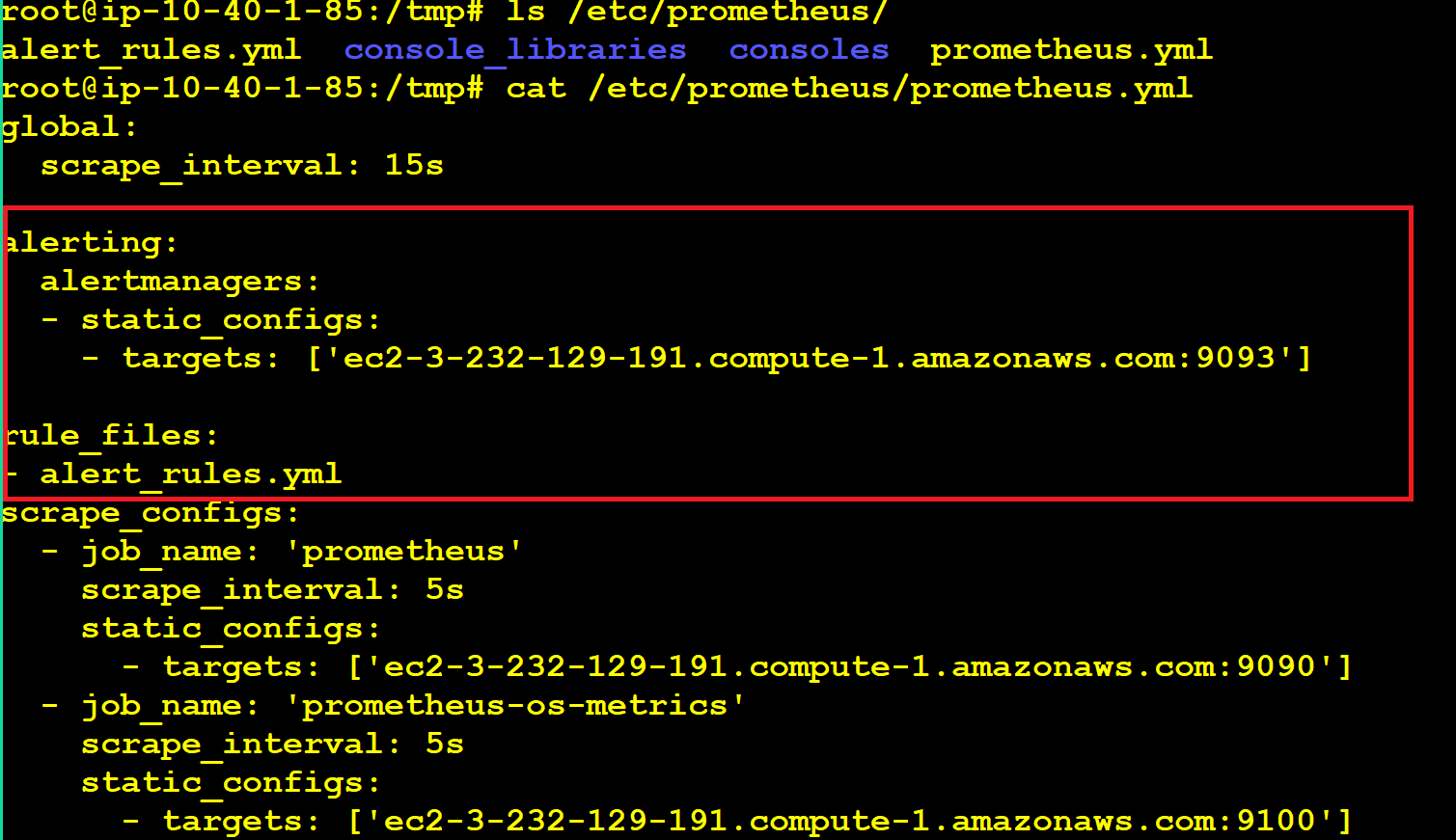
- static\_configs:

- targets: ['<alertmanager-public-ip>:9093']

rule\_files:

- alert\_rules.yml

Screenshot below for example:



Create alertmanager service:

sudo nano /etc/systemd/system/alertmanager.service

[Unit]

Description=Alertmanager for prometheus

[Service]

Restart=always

User=prometheus

ExecStart=/usr/local/bin/alertmanager --config.file=/etc/alertmanager/alertmanager.yml --storage.path=/etc/alertmanager/

ExecReload=/bin/kill -HUP $MAINPID

TimeoutStopSec=20s

SendSIGKILL=no

[Install]

WantedBy=multi-user.target

sudo systemctl daemon-reload

sudo systemctl start alertmanager.service

sudo systemctl enable alertmanager.service

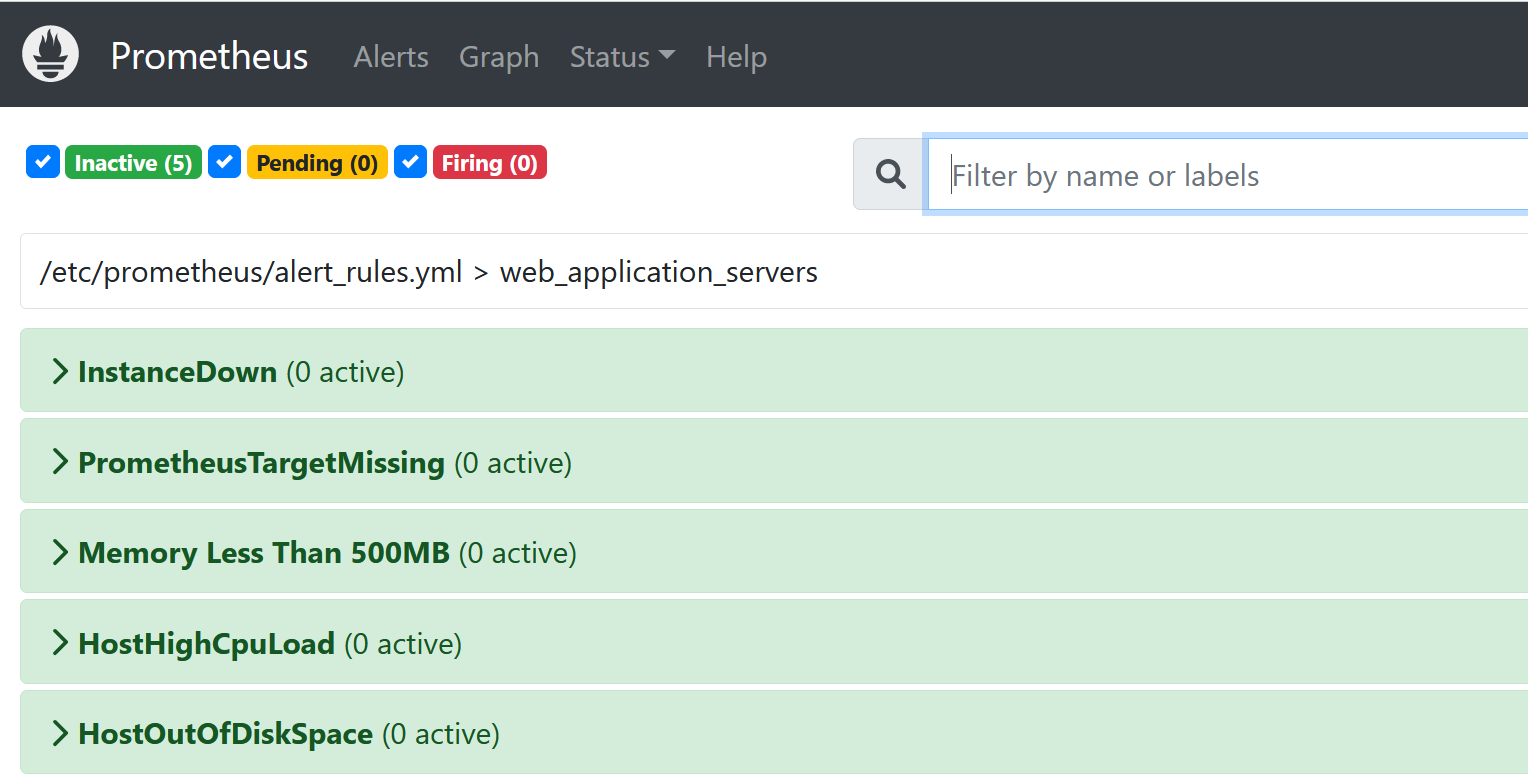
sudo systemctl status alertmanager.service

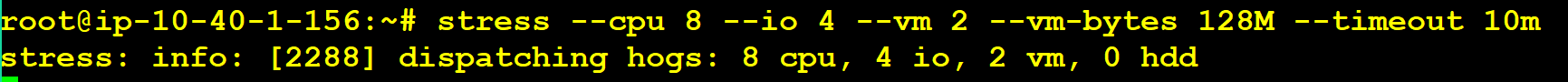
To Start Service:

sudo systemctl restart alertmanager.service

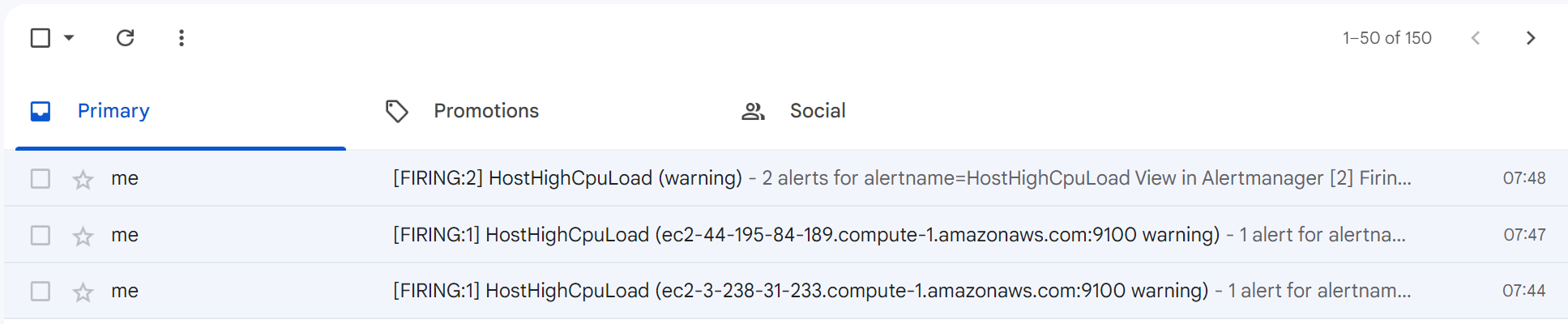
sudo systemctl status alertmanager.service

**When No Alerts Are Fired:**



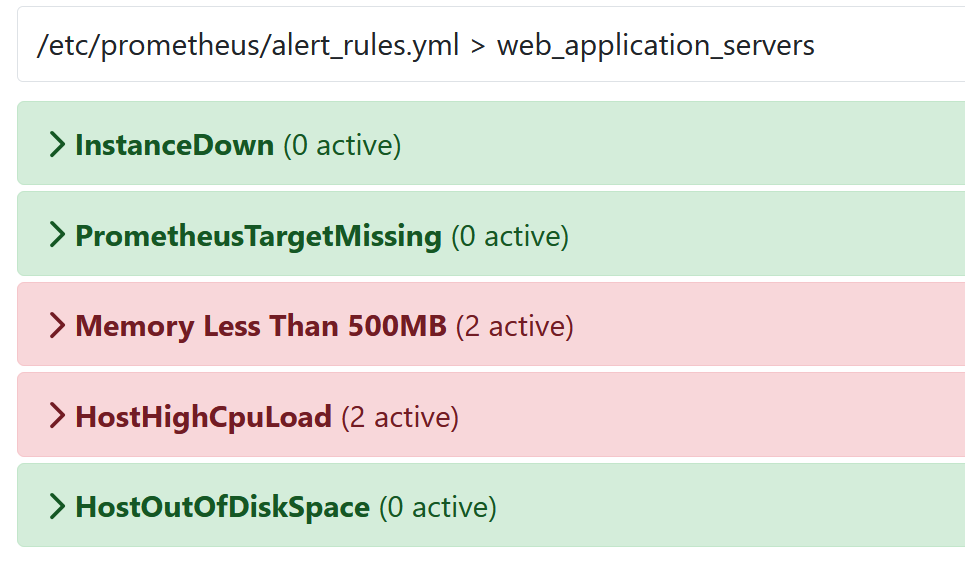


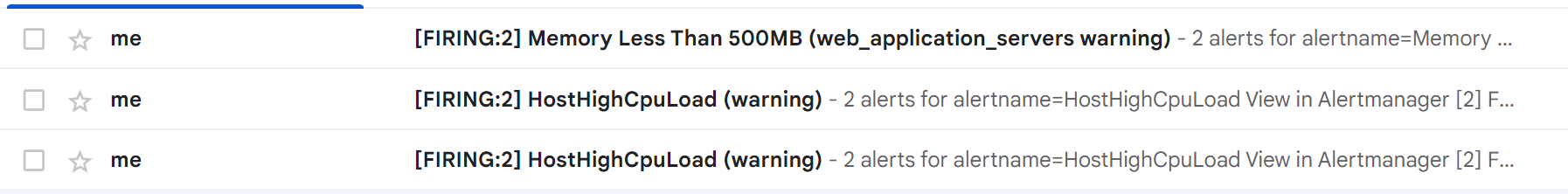


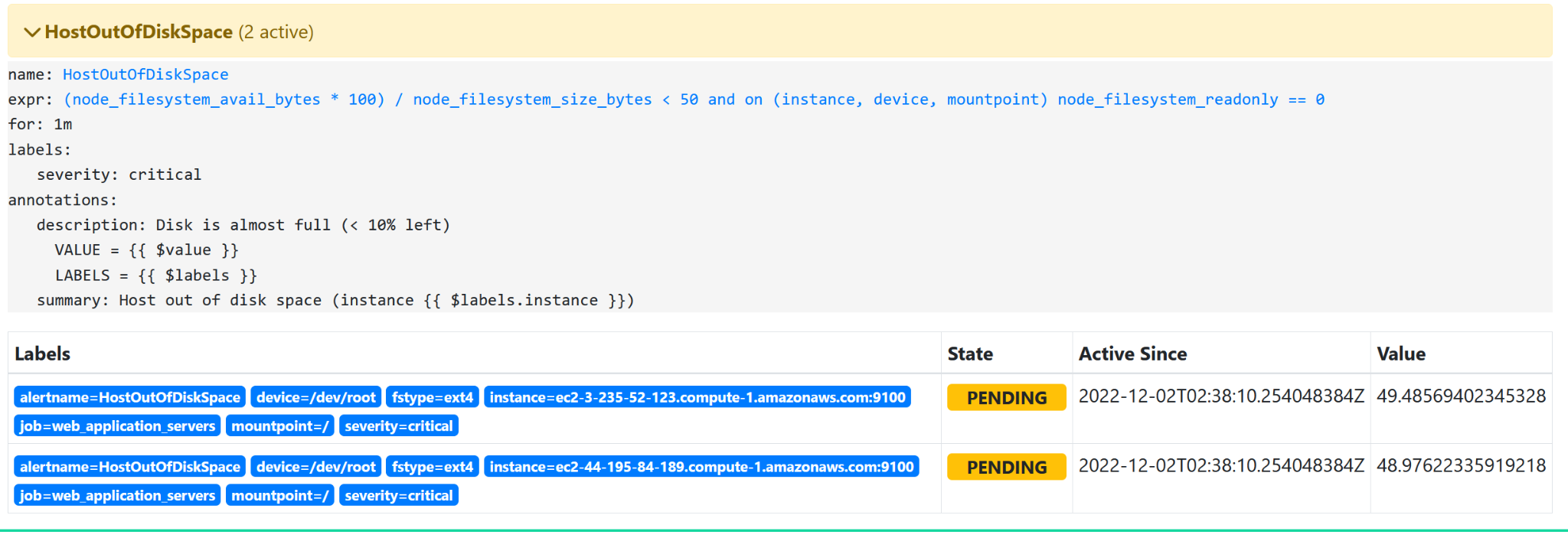


*# Triggers CPU and Memory for t2.micro*

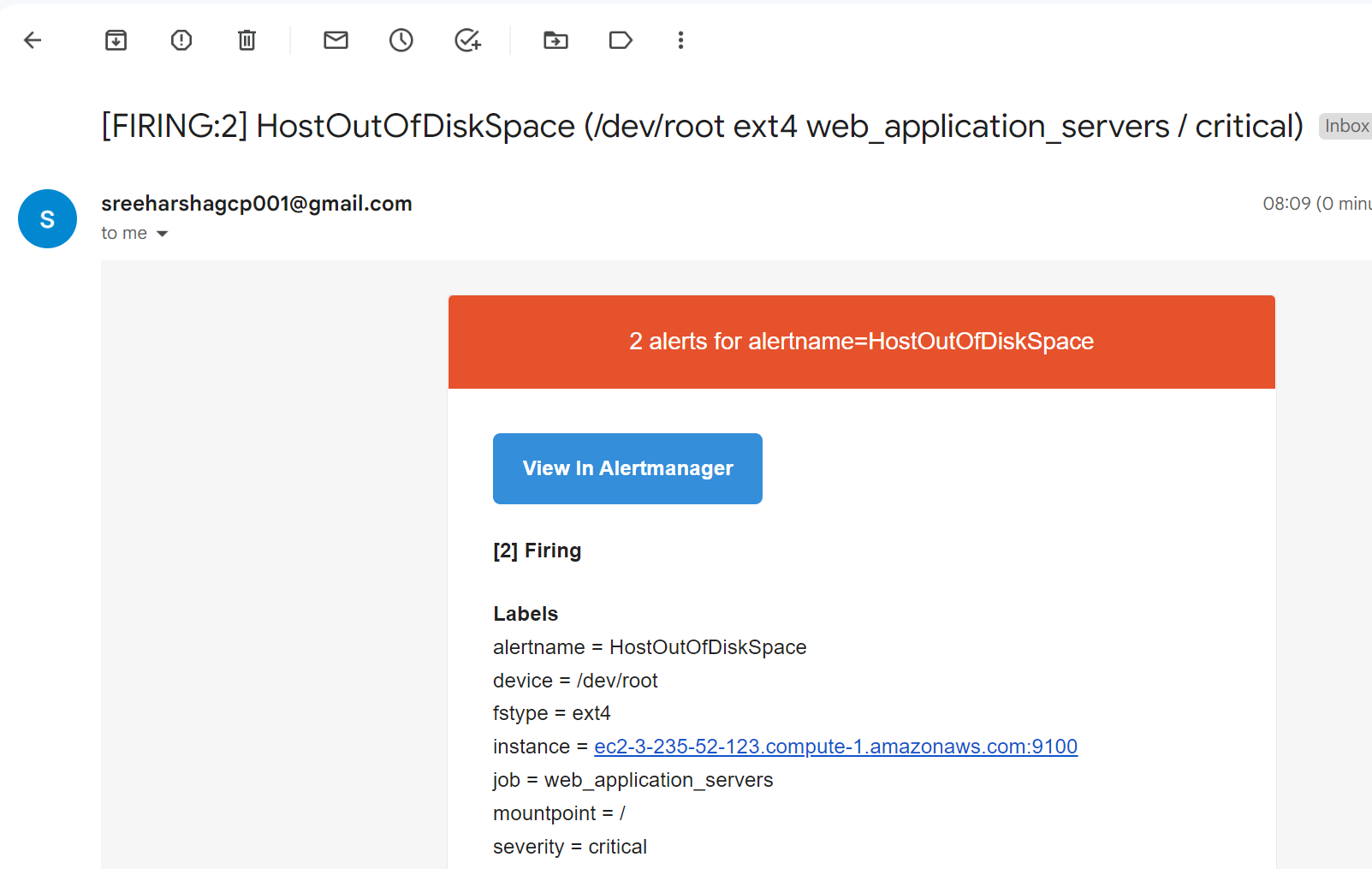
*stress --vm 2 --vm-bytes 256M --timeout 10m*











DELETING VIRTUAL MACHINES:

