

- PROJA
- CREATE 2 SERVERS (ubuntu) WITH T2 LARGE

- apt-get update -y
- apt install docker.io -y
- docker info
- docker version
- useradd -rs /bin/false prometheus
- cat /etc/passwd
- mkdir /etc/prometheus
- touch /etc/prometheus/prometheus.yml
- mkdir -p /data/prometheus
- chown prometheus:prometheus /data/prometheus/ /etc/prometheus/*
- vim /etc/prometheus/prometheus.yml

```
global:
  scrape_interval: 5s
  evaluation_interval: 1s
scrape_configs:
- job_name: 'prometheus'
  scrape_interval: 10s
  static_configs:
    - targets: ['localhost:9090']
```

- docker run --name myprom1 -d -p 9090:9090 --user 997:997 --net=host -v /etc/prometheus:/etc/prometheus -v /data/prometheus:/data/prometheus prom/prometheus --config.file="/etc/prometheus/prometheus.yml" --storage.tsdb.path="/data/prometheus"
- docker ps
- docker logs -f myprom1
- publicip:9090 : You can see the dashboard
- search up and execute
- Status --> Targets

GRAFANA:

docker run --name grafana -d -p 3000:3000 --net=host grafana/Grafana

docker ps

- docker logs -f grafana
- publicip:3000 : You can see the dashboard
- login with admin as username and password then change the password
- ADD DATA SOURCE --> PROMETHEUS --> URL : (<http://localhost:9090>) --> SAVE & TEST
- CLICK ON + SYMBOL --> ADD PANEL --> TYPE: UP --> APPLY

- Now you can see a dashboard

NODE EXPORTER:

CREATE ANOTHER UBUNTU MACHINE

- apt-get update -y
- apt install docker.io -y
- docker run --name exporter -d -p 9100:9100 --user 998:998 -v "/:/hostfs" --net="host" prom/node-exporter --path.rootfs=/hostfs
- docker ps
- publicip:9100 click on metrics
- vim /etc/prometheus/prometheus.yml

```
global:
  scrape_interval: 5s
  evaluation_interval: 1s
scrape_configs:
- job_name: 'prometheus'
  scrape_interval: 10s
  static_configs:
    - targets: ['localhost:9090']
- job_name: 'node-exporter'
  static_configs:
    - targets: ['172.31.0.145:9100']
```

- ps aux | grep prometheus
- kill -HUP 5091
- docker logs -f myprom1
- Go to Prometheus -- > SERVICE EXPORTER

SERVER DETAILS WITH GRAFANA

- Save previous by import
- 14513 -- > LOAD -- > PROMETHUS : PROMETHEUS -- > IMPORT
- Apt install stress -y
-