PROJECT-2

Monitor and log application performance. Main objective will be how to collect and analyse data about an application's performance.

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project review:

1. launch 2 separate instances -

   1st instance install Prometheus , Node_Exporter , grafana and open separate terminals to acces

   2nd instance install jenkins and access jenkins

2. Prometheus :9090

   Node_Exporter :9100

   Grafana : 3000

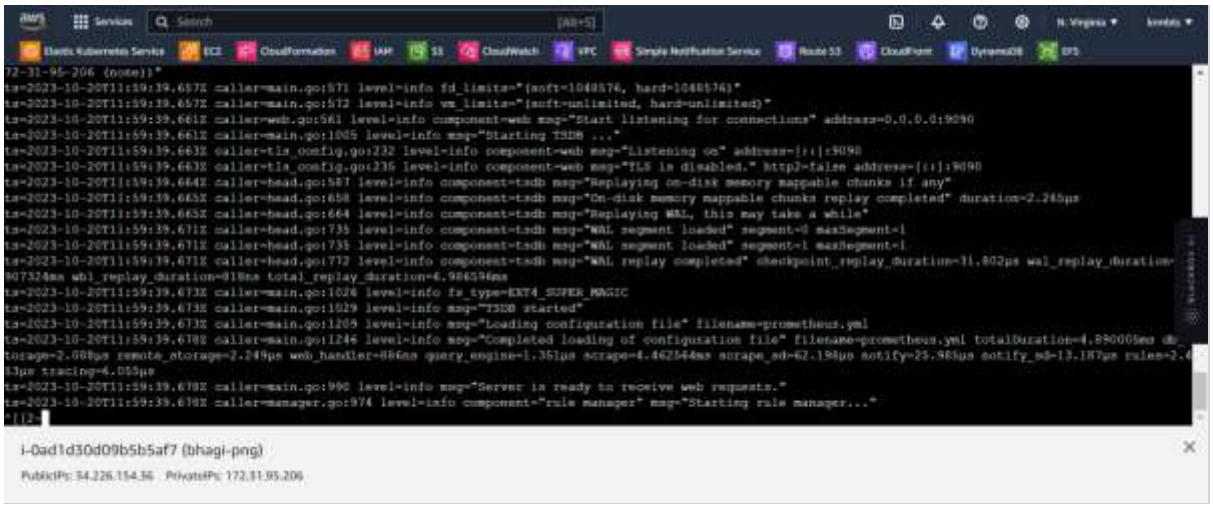
3. In Prometheus terminal open **prometheus.yml** by **vi prometheus.yml**

   And paste below code :

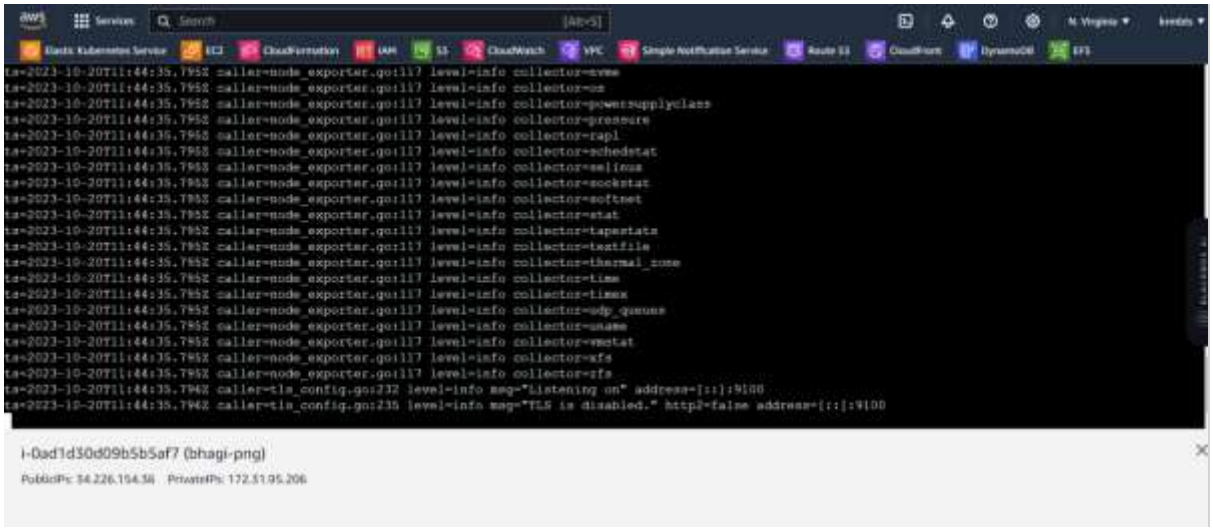
```
- job_name: "jenkins"
  metrics_path: /prometheus
  static_configs:
    - targets: ['18.233.64.35:8080'] -----(give ur respective jenkins address)
```

4. Start prometheus by **./prometheus**

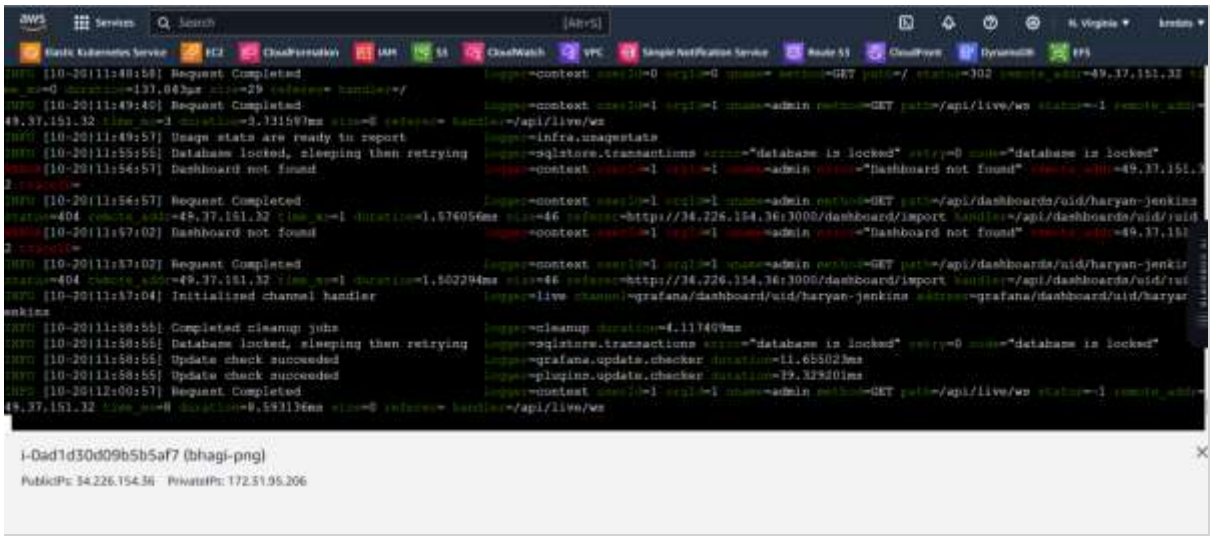
This is a Prometheus running terminal:



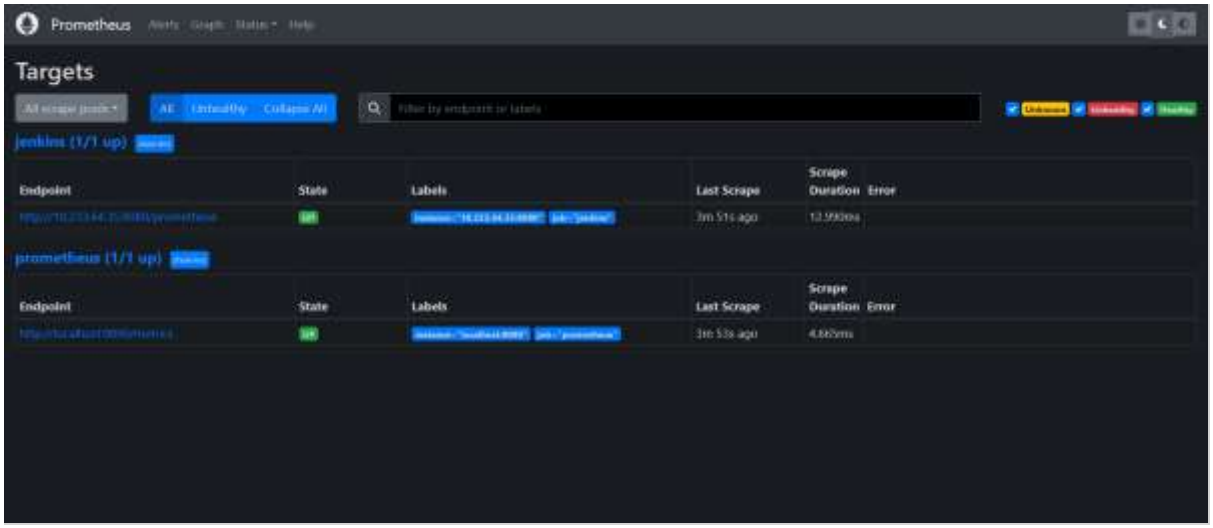
This is a Node_Exporter running terminal:



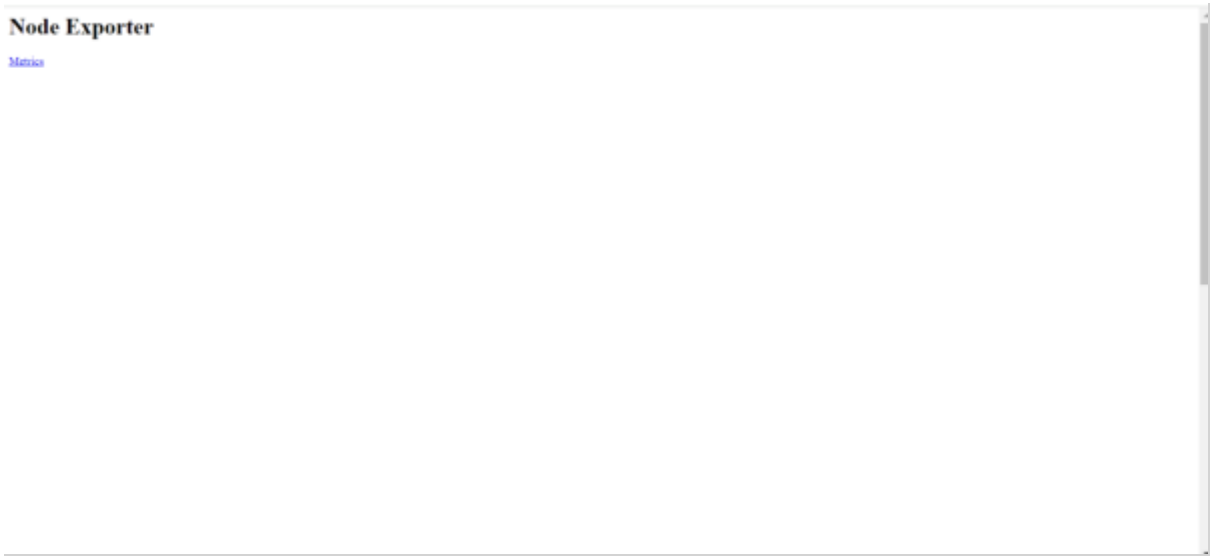
This is a GRAFANA running terminal:



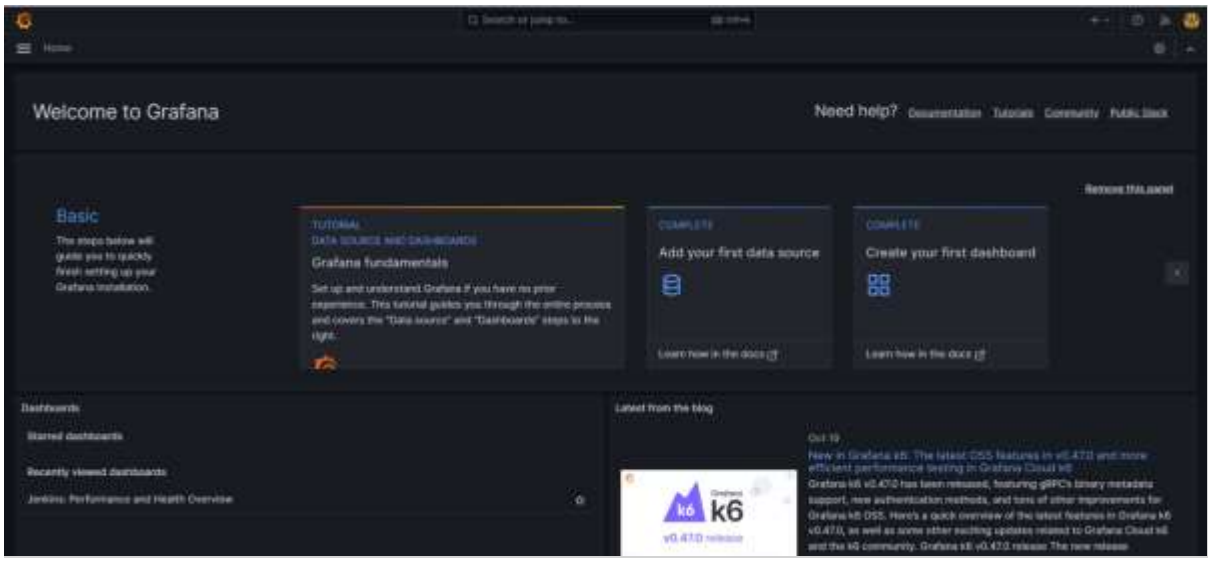
This is the Targets In Prometheus Dashboard When We Accessed :



This is the node_e xporter when we accessed:



This is grafana dashboard when we accessed

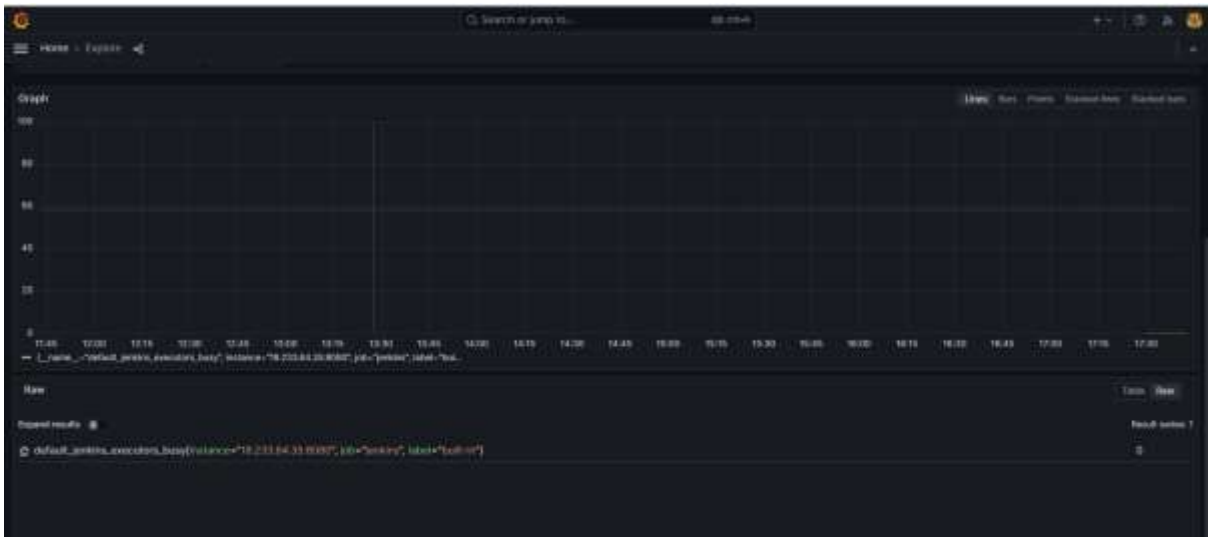


5.We have to import a dashboard of grafana by given a code (9964)

6.I used this command to increase a load in new terminal with the connection of this server [while true; do echo;done] in final GRAFANA output.

7. A computeral analysis shows cpu use, memory usage, and free memory remaining in jenkins

This is the final output in grafana:


Graph
Raw
Expand results
Result series: 1