

# Promethes , Grafana & Node-exporter

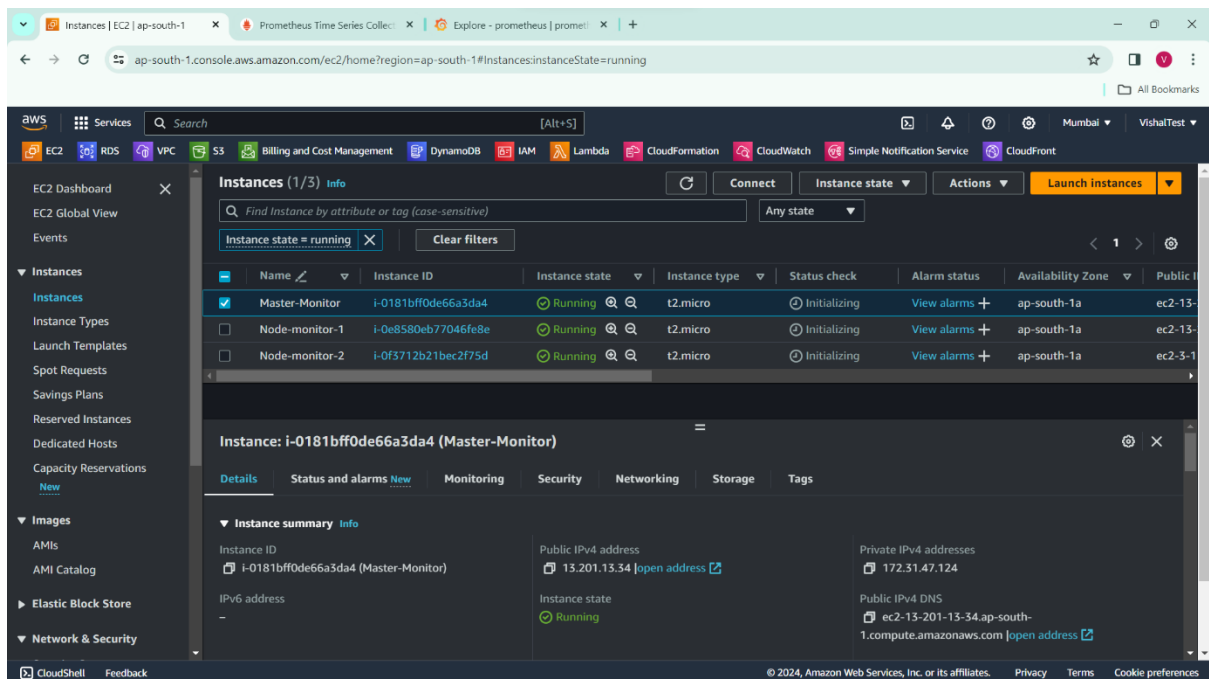
Ports number are

1)Promethes=9090

2)Grafana:-3000

3)Node\_exporter:- 9100

Create 3 instance 1 for Master-Node where install Promethes, Grafana & Node-exporter and other 2 node where install only node-exporter



Grafana human readable form for more easier data understanding

Pomql query language. to query on grafan

Node-exporter collected data of our server and send to master node

Install Prometheus, Grafana & Node-exporter on Master server below

Mention link for install and how to configure etc file of Prometheus

Link = [https://www.fosstechnix.com/install-prometheus-and-grafana-on-ubuntu/#google\\_vignette](https://www.fosstechnix.com/install-prometheus-and-grafana-on-ubuntu/#google_vignette)

Only add this job to configuration of master server, Prometheus.yml file

```
- job_name: "remote_collector"
  scrape_interval: 10s
  static_configs:
    - targets: ["ip_node_server:9100", "ip_node_server:9100"] ### these are public or private ips of node-1 and node-2
```

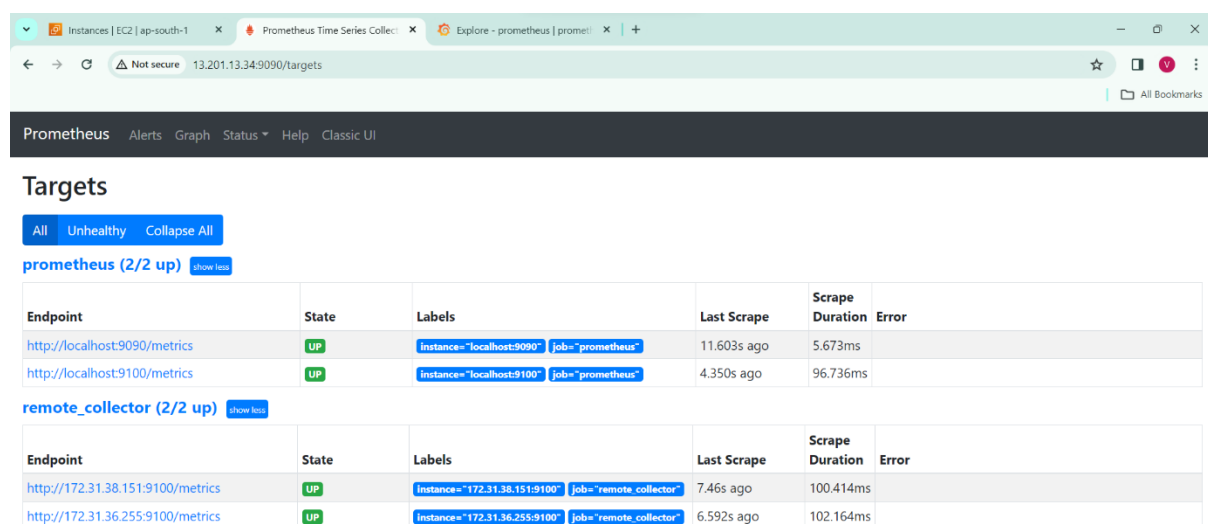
After any changes into configuration file then start, reload or restart Prometheus service

After configure then copy ip\_master\_server and paste into URL like this

[http://ip\\_master\\_server:9090](http://ip_master_server:9090)

9090--- Prometheus port number

Status → Targets --- you can see this page



Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<b>prometheus (2/2 up)</b> <a href="#">show less</a>					
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	11.603s ago	5.673ms	
http://localhost:9100/metrics	UP	instance="localhost:9100" job="prometheus"	4.350s ago	96.736ms	
<b>remote_collector (2/2 up)</b> <a href="#">show less</a>					
http://172.31.38.151:9100/metrics	UP	instance="172.31.38.151:9100" job="remote_collector"	7.46s ago	100.414ms	
http://172.31.36.255:9100/metrics	UP	instance="172.31.36.255:9100" job="remote_collector"	6.592s ago	102.164ms	

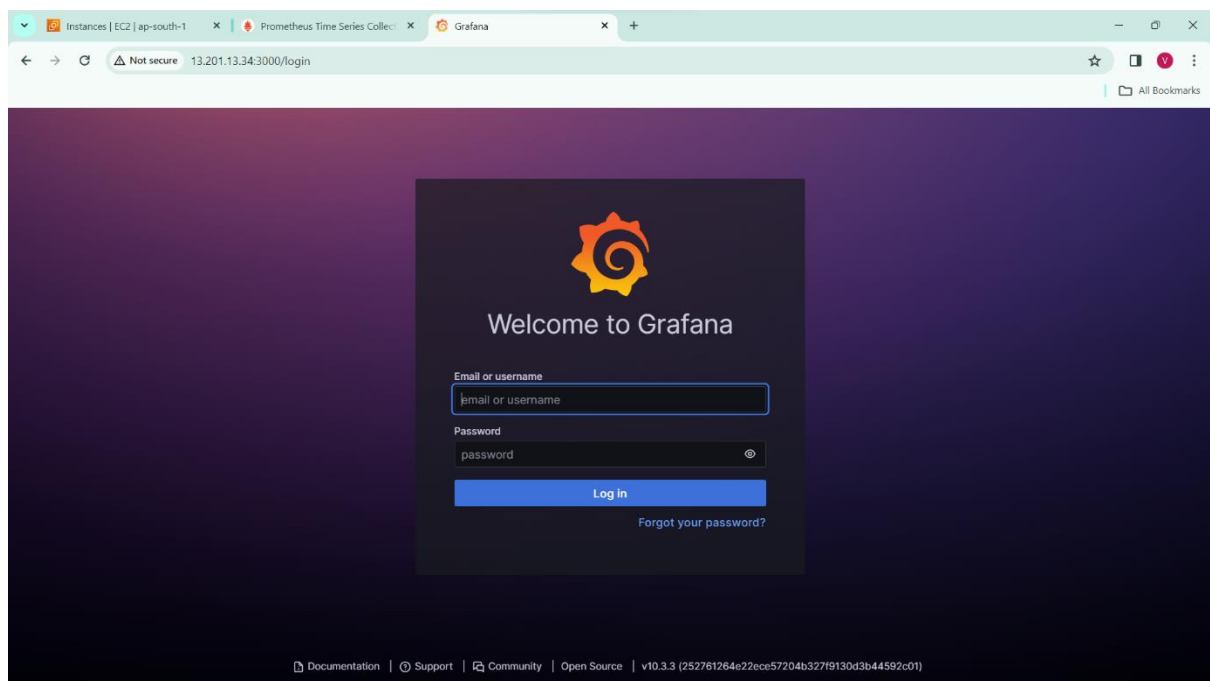
Node-exporter configuration same for Master server and Node server below link

Link = = [https://www.fosstechnix.com/install-prometheus-and-grafana-on-ubuntu/#google\\_vignette](https://www.fosstechnix.com/install-prometheus-and-grafana-on-ubuntu/#google_vignette)

Installing Grafana start & enabled Grafana service copy of ip\_address of Master server and paste into url

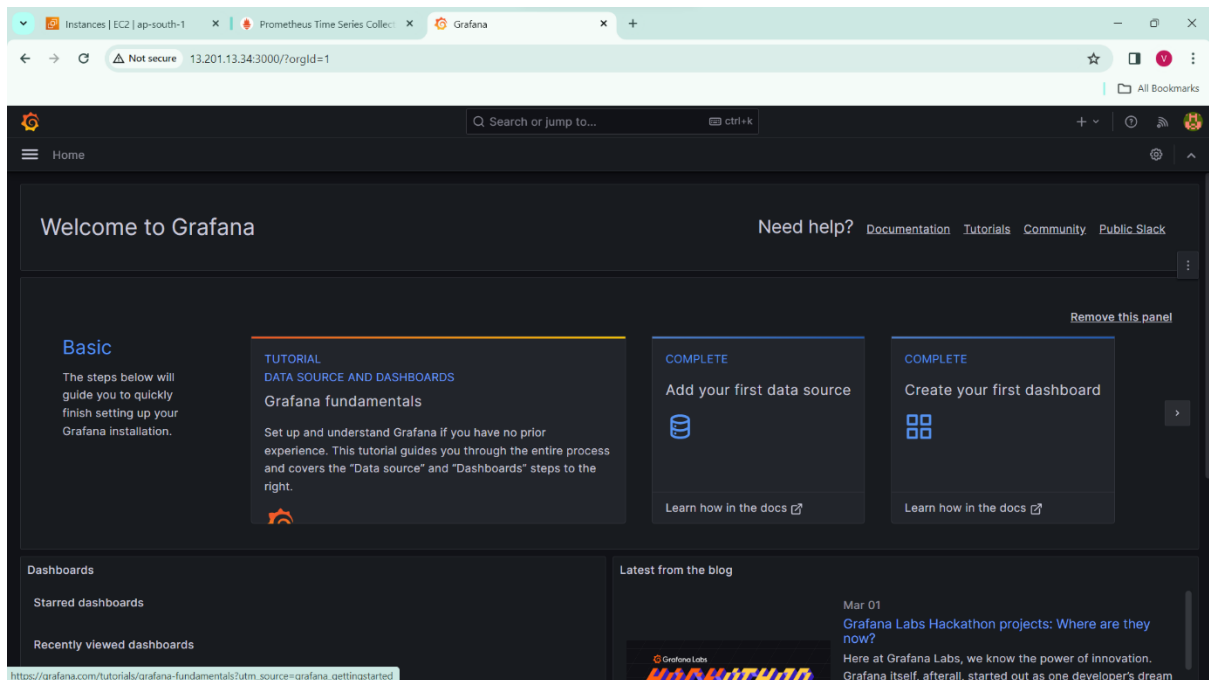
[http://ip\\_master\\_server:3000](http://ip_master_server:3000)

3000--- Grafana port number

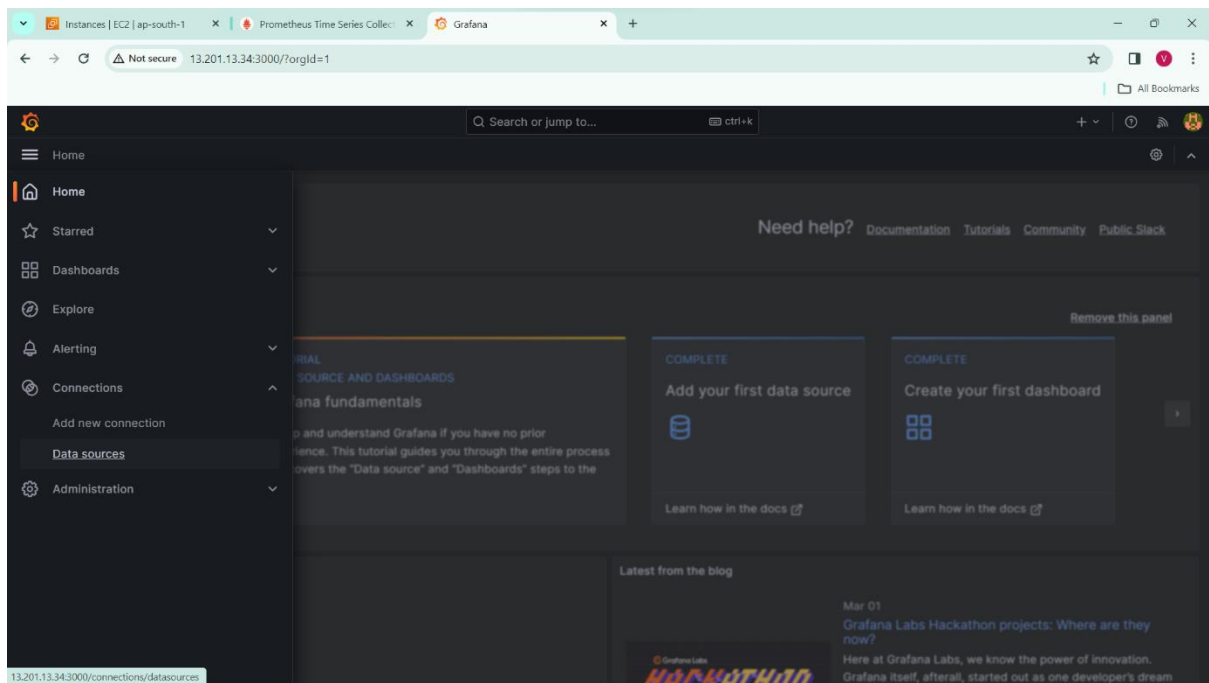


First time insert "**admin**" as username and password ...

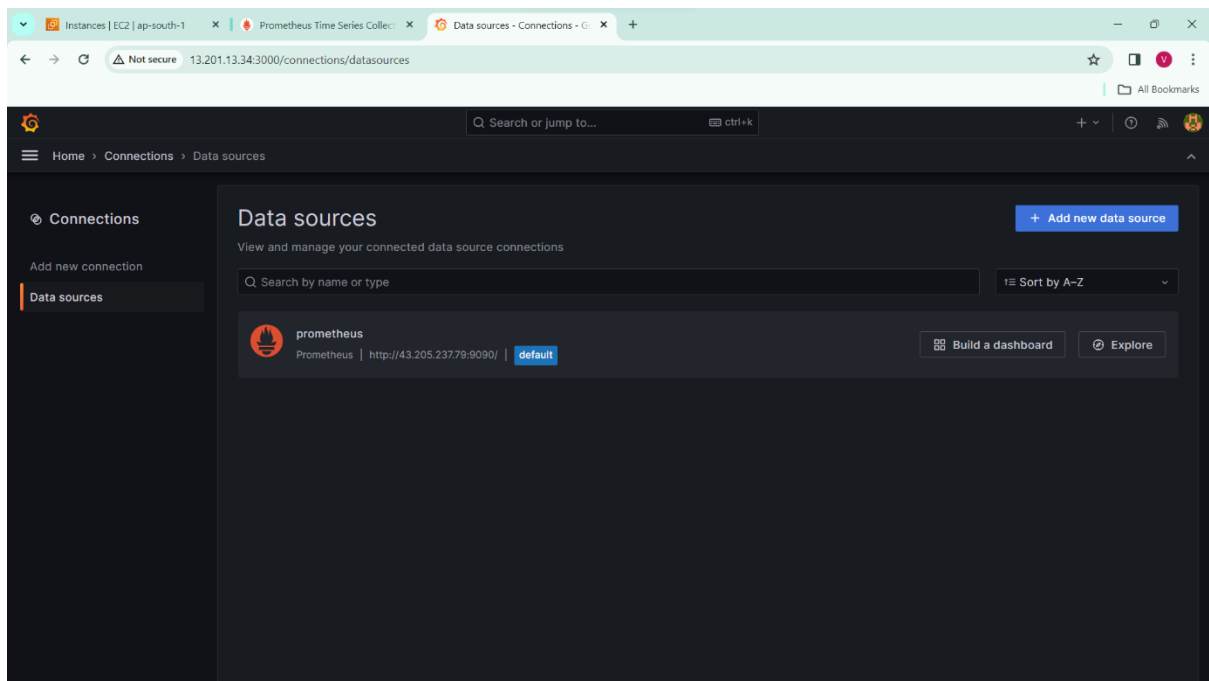
Home page of Grafana is



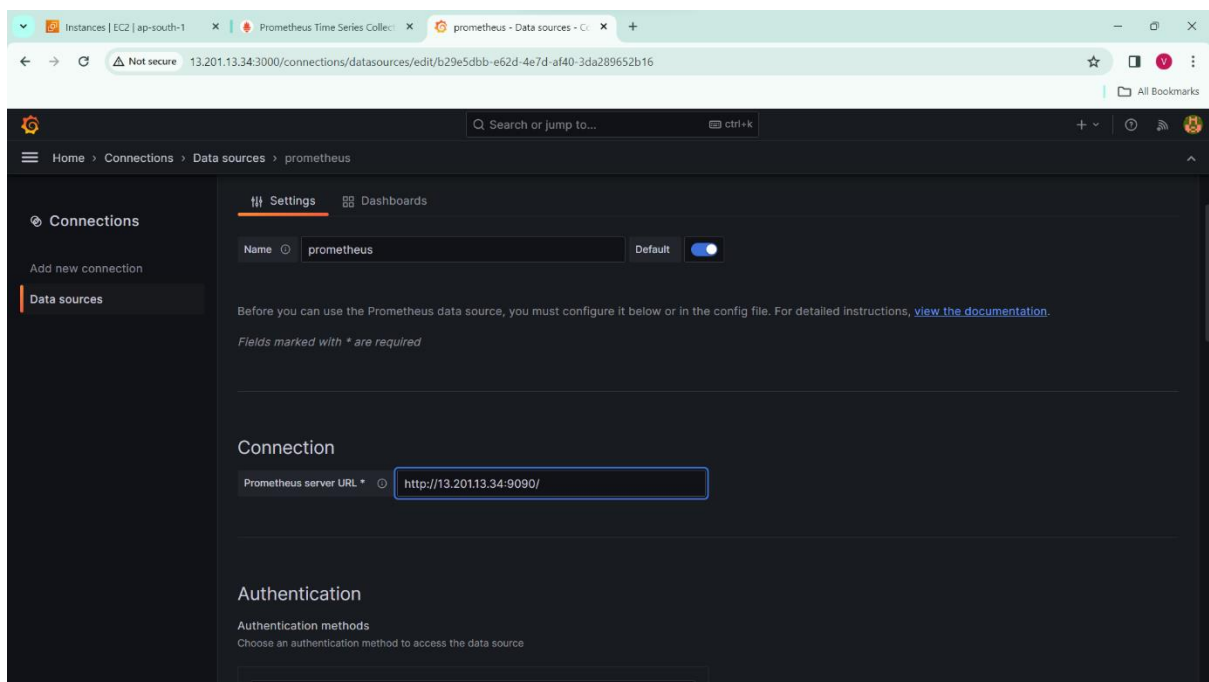
Choose datasource



## Next choose Prometheus

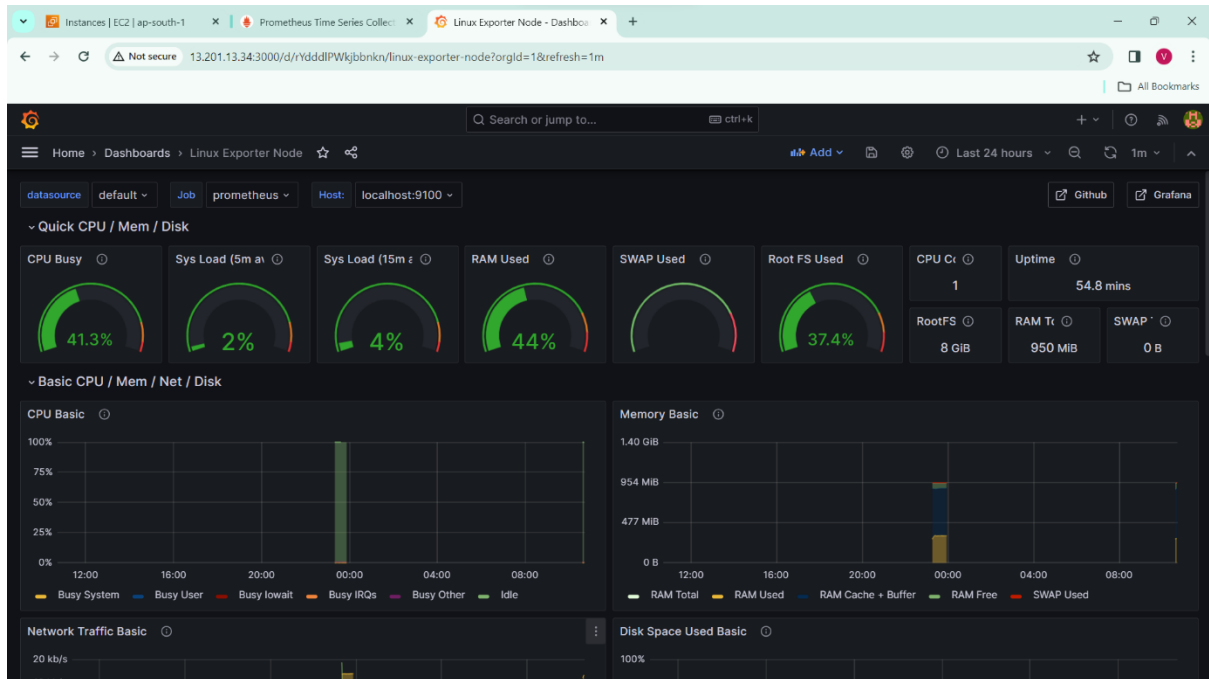


## Enter Url for Promethes server



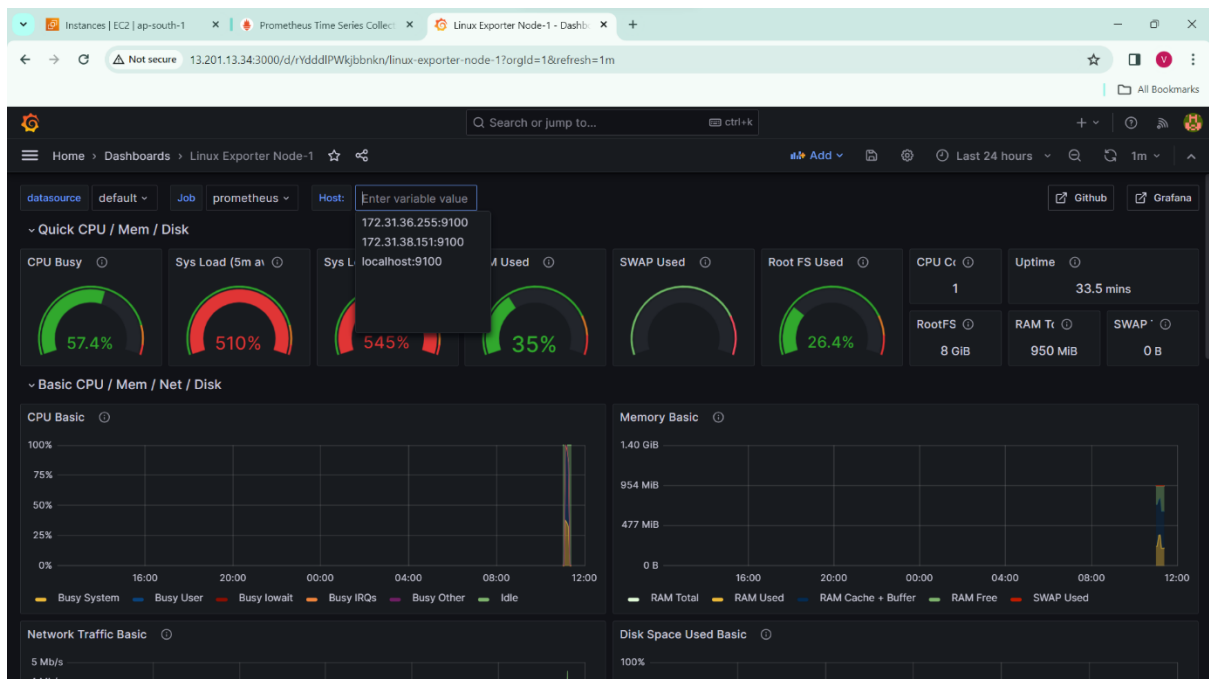
After that let all settings be default bro and click on save and test button

Now we can see our Grafana Dashboard... it is for our localhost means it is basically monitoring the Master .

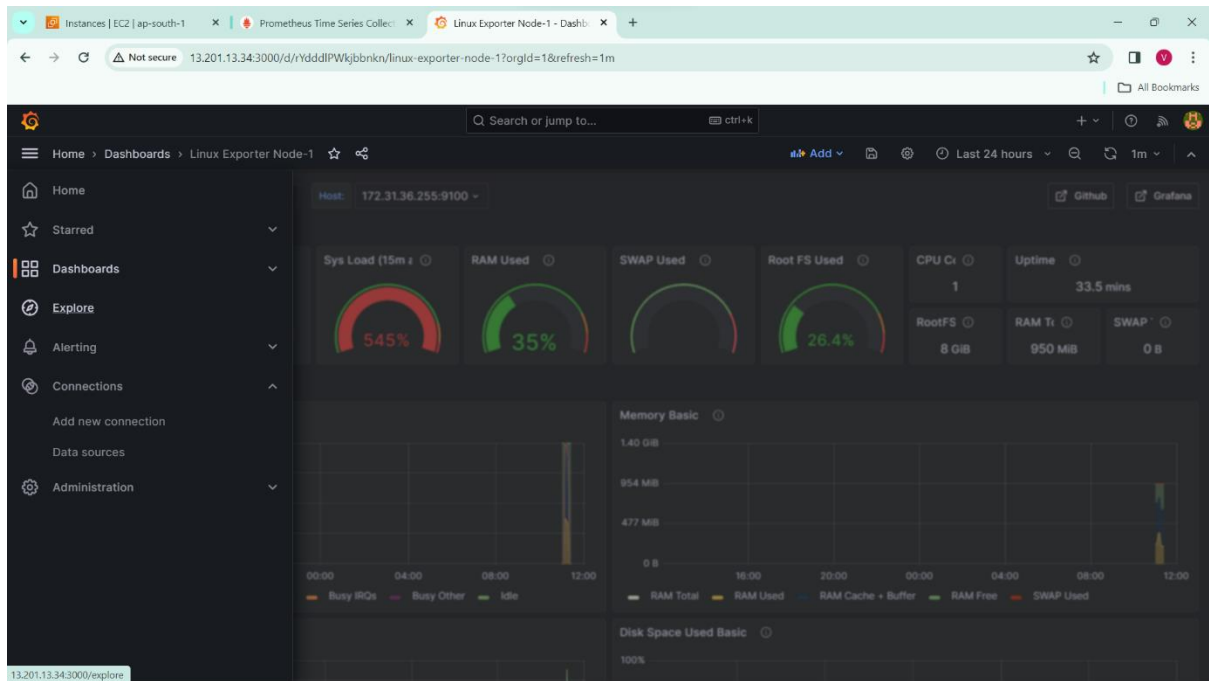


For seeing the node-1 and node-2 select the data source = Prometheus , job = remote-controller (name) ,

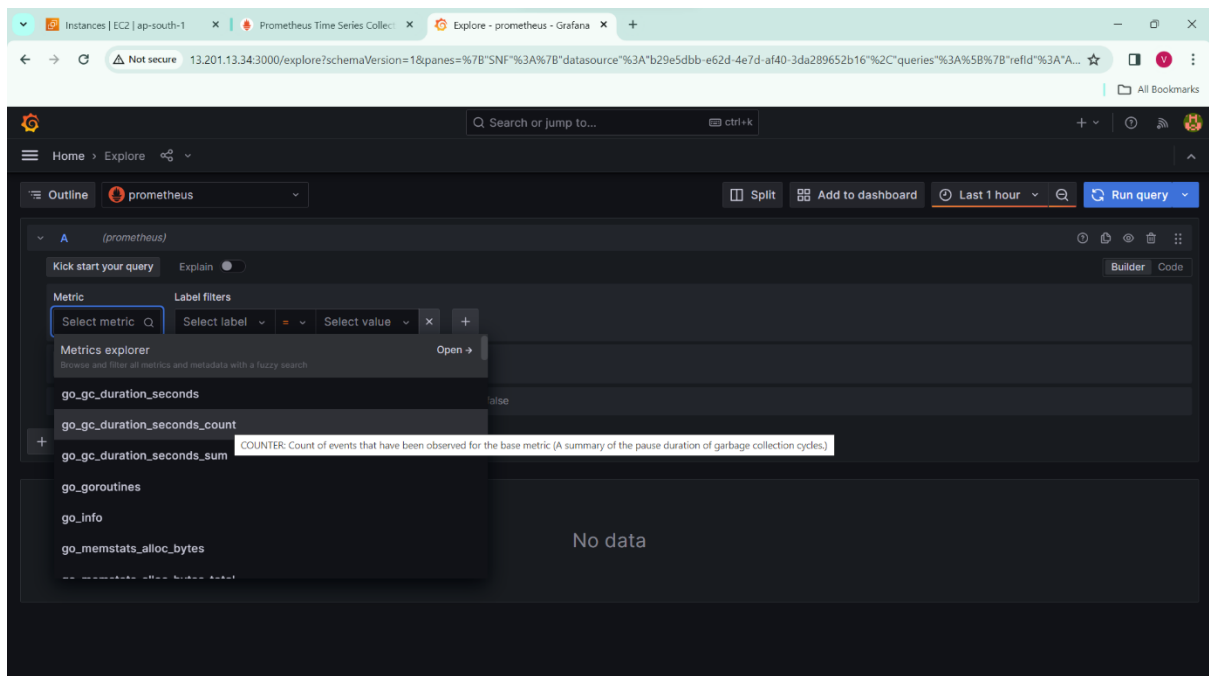
host : (node-1 ip) , (node-2 ip)



You can also run query in Grafana select Explore



Choose which query you want to run



We can also run two commands parallelly using spilt feature of Grafana

