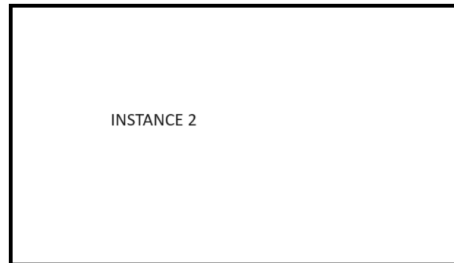


INSTANEC 1

```
1]install prometheus
2]publicip:9090
3]vim etc/prometheus/prometheus.yml
4]install graphana
```



INSTANCE 2

1]install nodeexporter

1] FIRST CREATE THE 2 UBUNTU INSTANCES

1]PROMETHUS

2]EXPORTER

The screenshot shows the AWS Management Console interface. On the left, the navigation menu includes 'Instances', 'Images', 'Elastic Block Store', and 'Network & Security'. The main content area displays a table of EC2 instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 address. Two instances are listed: 'Prometheus' and 'exporter'. The 'exporter' instance is selected, and its details are shown in a panel below. The details panel includes tabs for 'Details', 'Status and alarms', 'Monitoring', 'Security', 'Networking', 'Storage', and 'Tags'. The 'Details' tab is active, showing the instance summary with fields for Instance ID, Instance type, Public IPv4 address, Private IPv4 addresses, Public IPv4 DNS, Private IP DNS name, and Hostname type.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 address
Prometheus	i-097acb19044028b86	Running	t2.micro	Initializing	View alarms +	us-east-2c	ec2-3-17-5
exporter	i-0c89b5da6186153fe	Running	t2.micro	Initializing	View alarms +	us-east-2c	ec2-3-15-2

i-0c89b5da6186153fe (exporter)

Instance summary

- Instance ID: i-0c89b5da6186153fe (exporter)
- Instance type: t2.micro
- Public IPv4 address: 3.15.215.95 | [open address](#)
- Private IPv4 addresses: 172.31.46.167
- Public IPv4 DNS: ec2-3-15-215-95-us-east-2.compute.amazonaws.com | [open address](#)
- Private IP DNS name (IPv4 only): ip-172-31-46-167-us-east-2.compute.internal
- Hostname type: IP name: ip-172-31-46-167-us-east-2.compute.internal

2] 3]SECURITY GROUP= All traffic allow

The screenshot shows the 'Edit inbound rules' page in the AWS Management Console. The breadcrumb trail is 'EC2 > Security Groups > sg-08a13be2045300dcd - launch-wizard-1 > Edit inbound rules'. The page title is 'Edit inbound rules' with an 'Info' link. Below the title is a subtitle: 'Inbound rules control the incoming traffic that's allowed to reach the instance.'

The 'Inbound rules' section contains a table with the following columns: 'Security group rule ID', 'Type', 'Protocol', 'Port range', 'Source', and 'Description - optional'. There are two rules listed:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sg-057035253ec861e5b	SSH	TCP	22	Custom	
-	All traffic	All	All	Anywh...	

Below the table is an 'Add rule' button. At the bottom of the page are 'Cancel', 'Preview changes', and 'Save rules' buttons. A yellow warning banner at the bottom states: 'Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.'

3] connect the instace PROMETHUS

The screenshot shows the 'Connect to instance' page in the AWS Management Console. The breadcrumb trail is 'EC2 > Instances > i-097acb19044028b86 > Connect to instance'. The page title is 'Connect to instance' with an 'Info' link. Below the title is a subtitle: 'Connect to your instance i-097acb19044028b86 (Prometheus) using any of these options'.

The page features four tabs: 'EC2 Instance Connect' (selected), 'Session Manager', 'SSH client', and 'EC2 serial console'. Under the 'EC2 Instance Connect' tab, the 'Instance ID' is 'i-097acb19044028b86 (Prometheus)'. The 'Connection Type' section has two options: 'Connect using EC2 Instance Connect' (selected) and 'Connect using EC2 Instance Connect Endpoint'. The 'Public IP address' is '3.17.59.138'. The 'Username' field is 'ubuntu'. A note at the bottom states: 'Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.'

4] apt install git -y

5]git clone <https://github.com/ASHISHKHOPADE-DEVOPS/GRAFHANA.git>

```
aws Services Search [Alt+S] Ohio Pra
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# ls
docker      install-node-exporter.sh  node-exporter-init.dservice  prometheus-2.23.0.linux-amd64  prometheus.yml  prometheus_relabeling.yml
install-grafana.sh  install-prometheus.sh  node-exporter.service  prometheus.service  prometheus_ec2.yml  prometheus_serviceDiscovery.yml
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master#
```

i-097acb19044028b86 (Prometheus)
PublicIPs: 3.17.59.138 PrivateIPs: 172.31.32.105

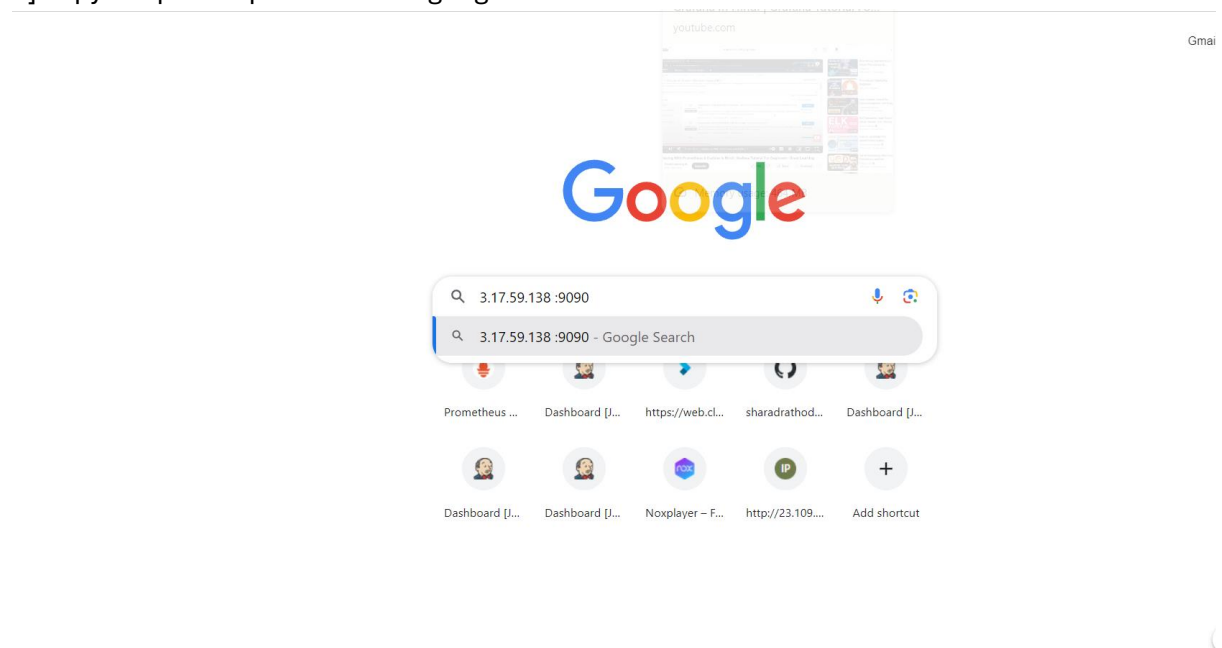
5] chmod 777 install prometheus.sh

```
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# chmod 777 install-prometheus.sh
```

6] ./install prometheus.sh

```
Jun 20 14:19:47 ip-172-31-32-105 systemd[1]: Started Prometheus.
lines 1-11/11 (END)root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# vim /etc/prometheus/prometheus.yml
```

7] copy the public ip:9090 hit the google



8] status

9]target



Targets

All Unhealthy

prometheus (1/1 up) [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	5.480s	4.952ms	



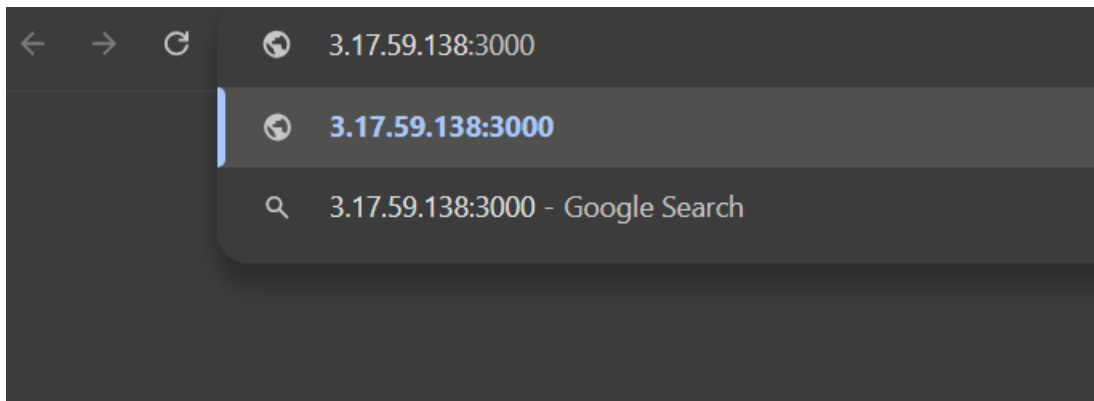
9] then same promethus server install graphana

10]chmod 777 install-graphan.sh

11]./install-graphana.sh

```
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA# cd Prometheus-grafana-master/
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master# ls
Prometheus-grafana-master
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master# cd Prometheus-grafana-master/
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# ls
docker      install-node-exporter.sh  node-exporter-init.dservice  prometheus-2.23.0.linux-amd64  prometheus.yml  prometheus_relaheeli
install-grafana.sh  install-prometheus.sh    node-exporter.service        prometheus.service              prometheus_ec2.yml  prometheus_serviceDi
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# chmod 777 install-grafana.sh
root@ip-172-31-32-105:/home/ubuntu/GRAFHANA/Prometheus-grafana-master/Prometheus-grafana-master# ./install-grafana.sh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
adduser is already the newest version (3.118ubuntu5).
adduser set to manually installed.
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 1202 kB of archives.
After this operation, 3540 kB of additional disk space will be used.
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fonts-dejavu-core all 2.37-2build1 [1041 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]
```

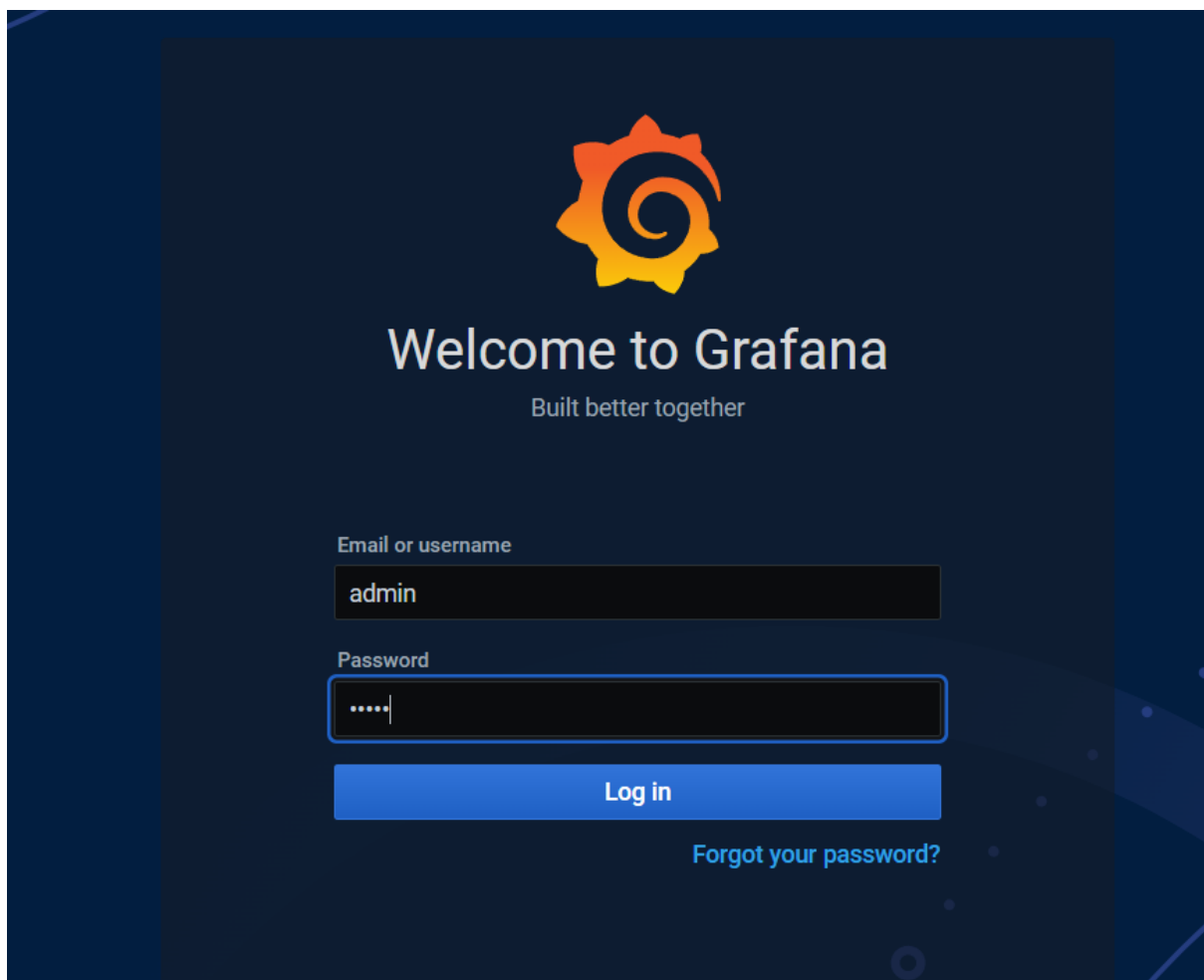
12]copy the public ip:3000



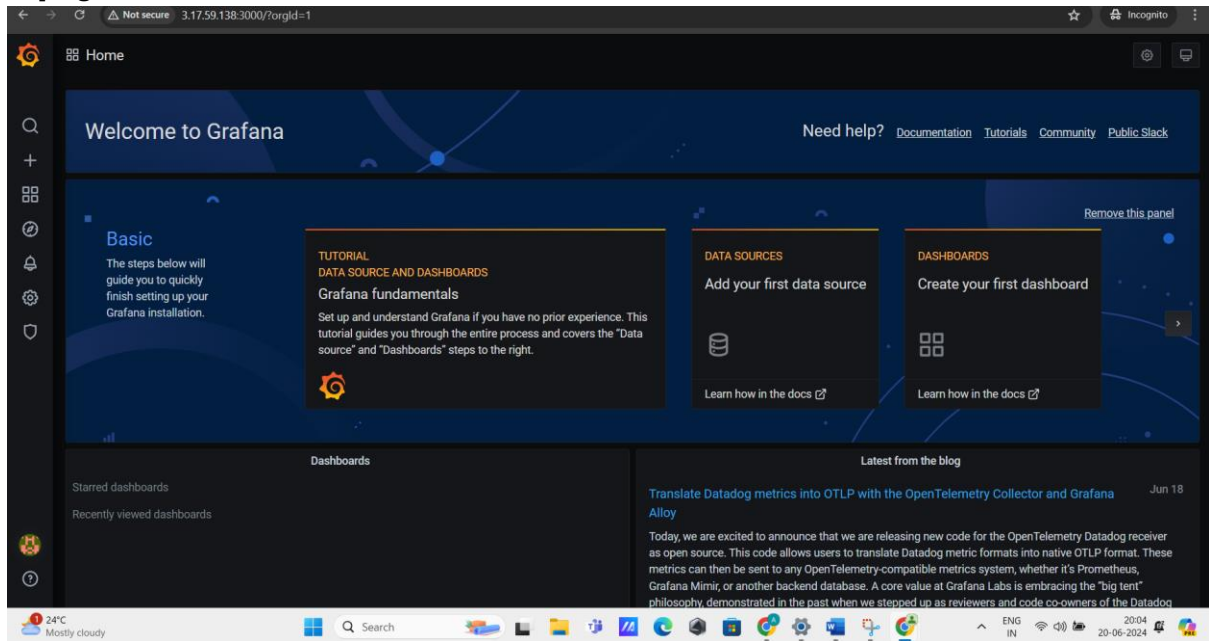
10] default password is

Username=Admin

Password=admin

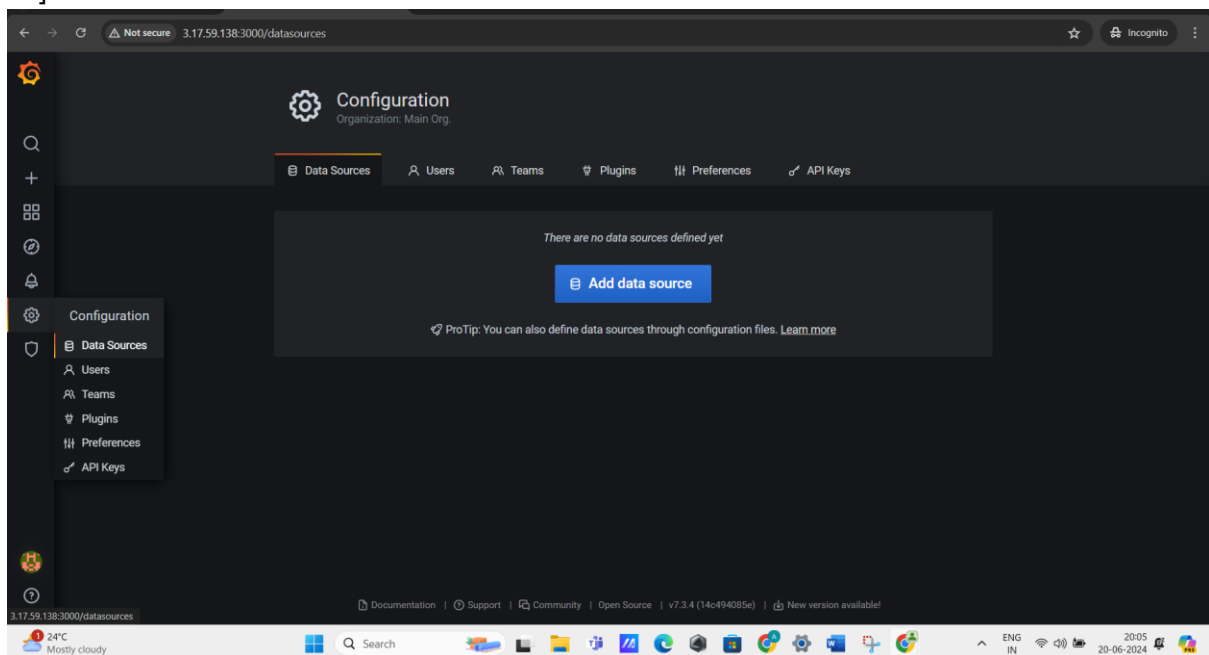


11] login

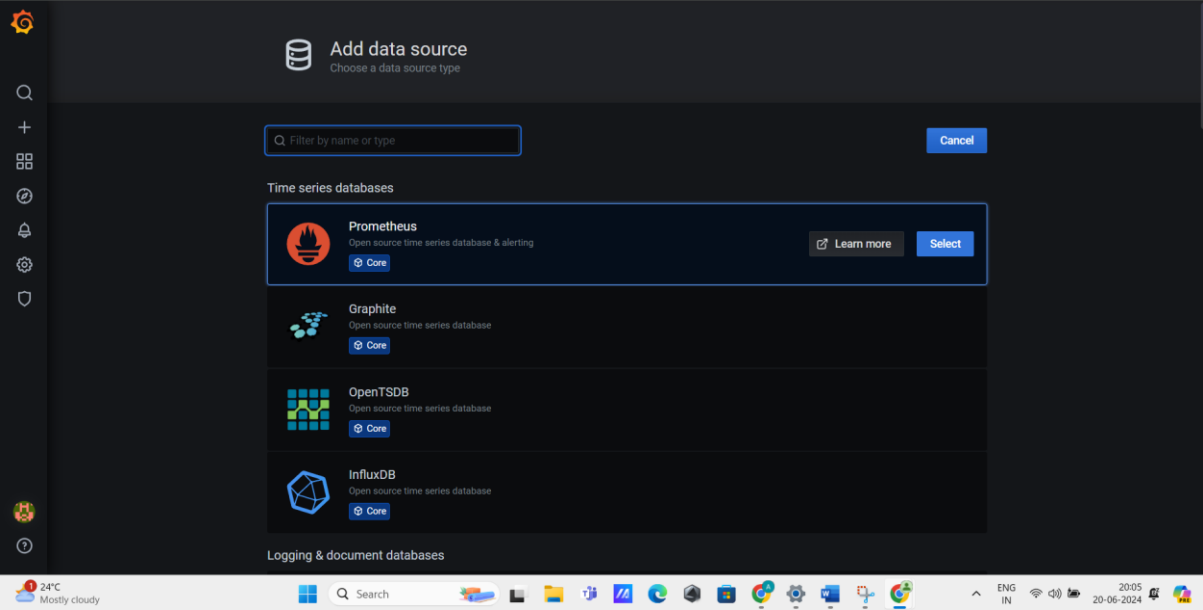


12] go to configuration

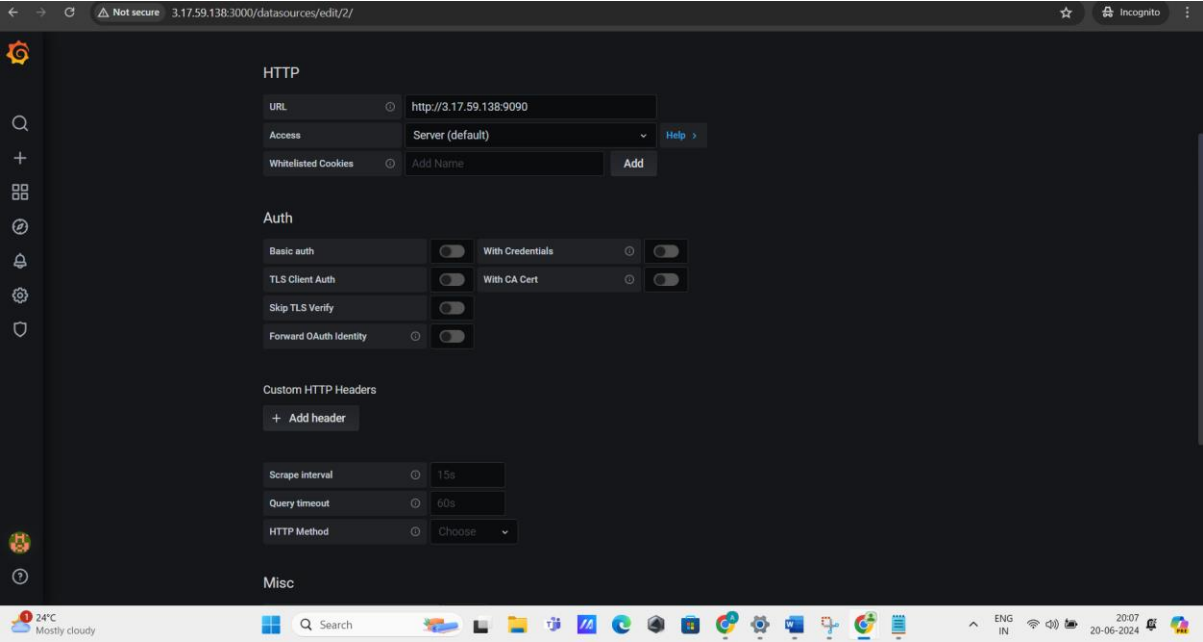
13] Add data source



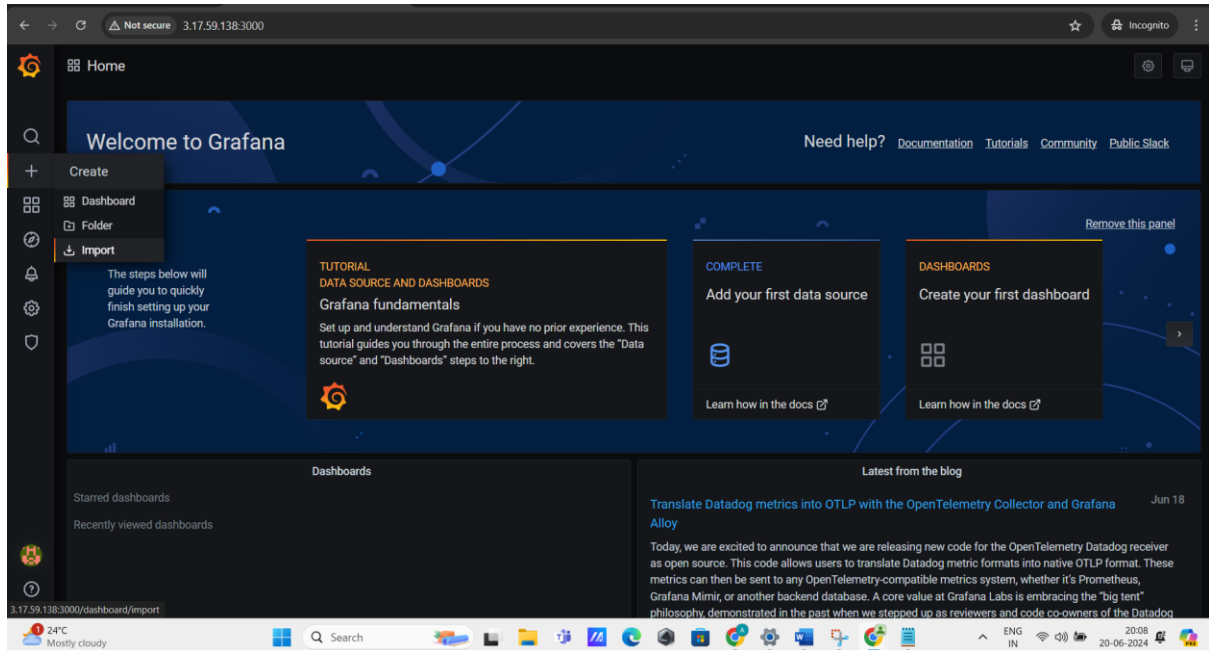
13] prometheus



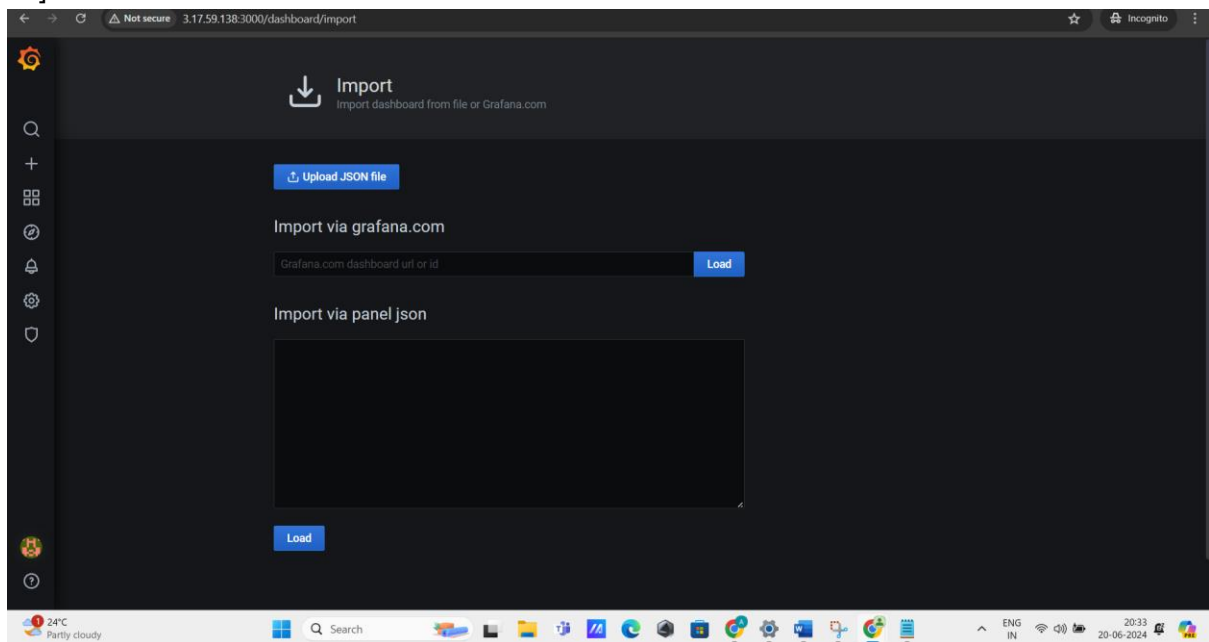
14] url=prometheus url



15] go to + sign and click import option

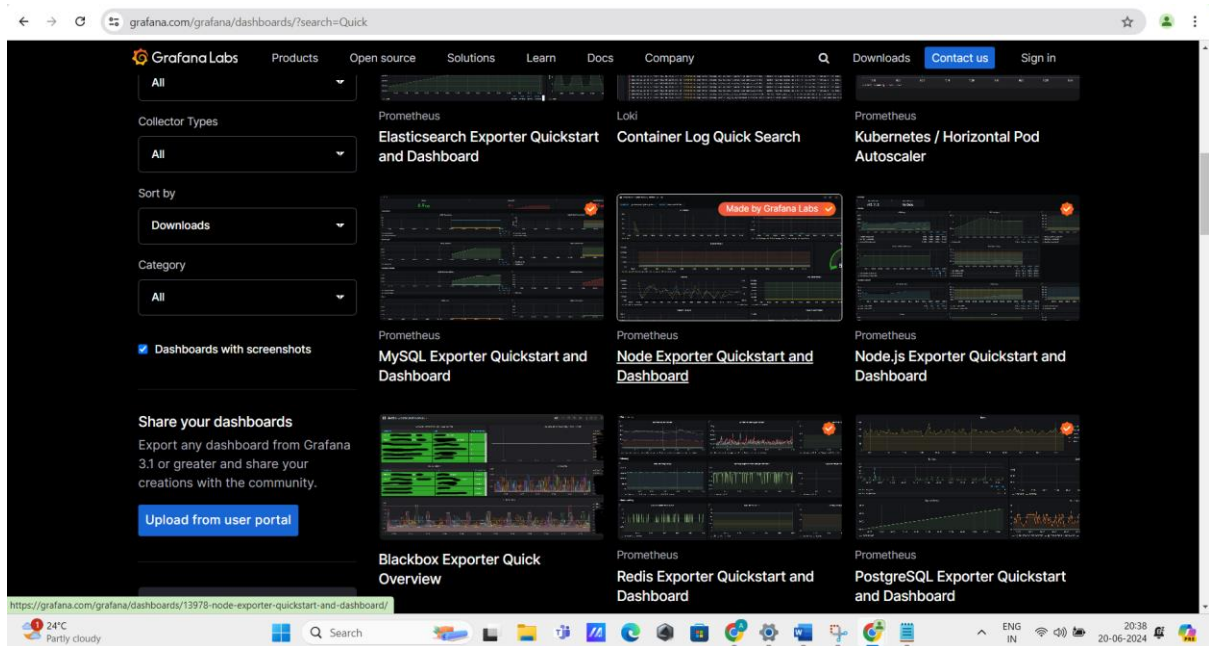


16]

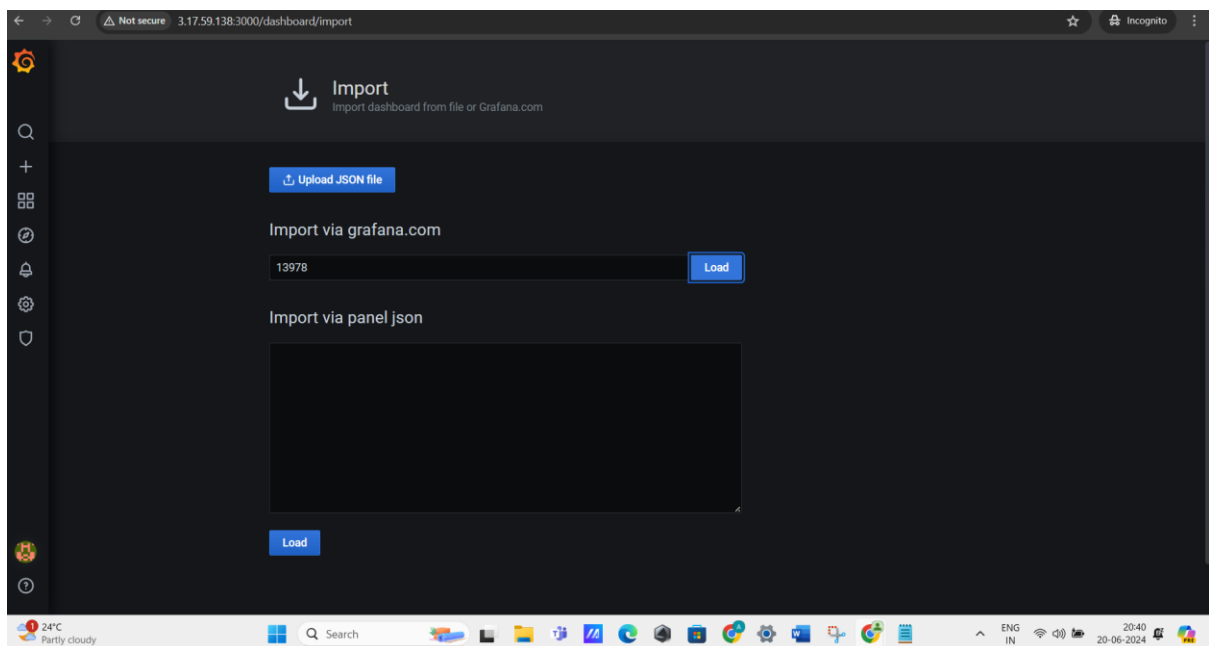


18] <https://grafana.com/grafana/dashboards/>

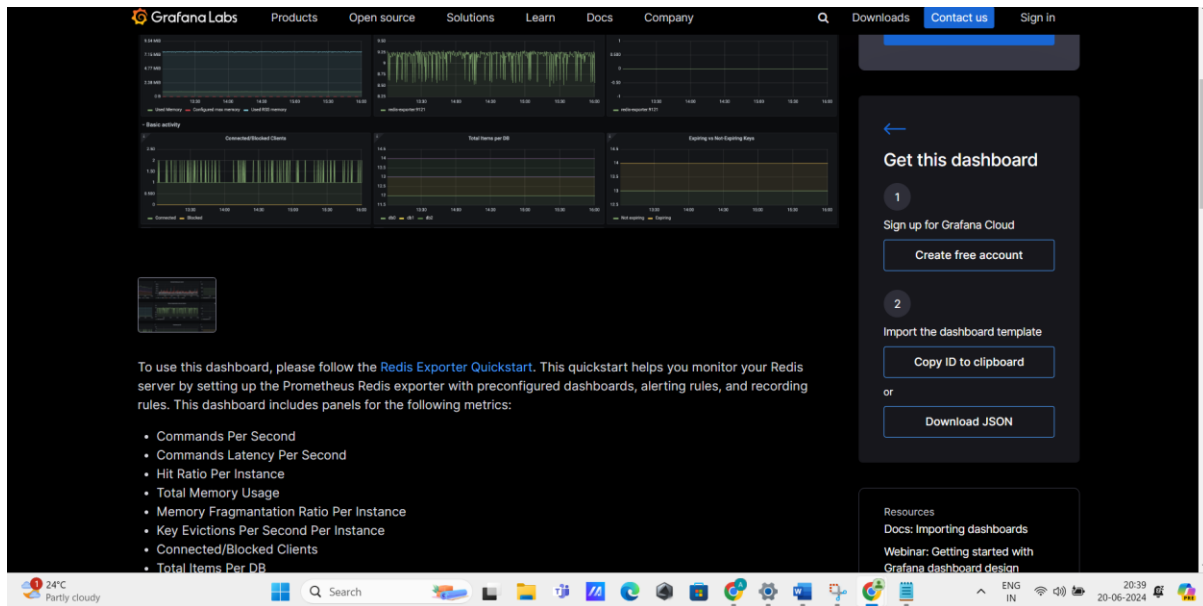
And search Node quick start dashboard



And click than copy the id



13]paste here andclick to load



17]done

18]go to prometheus server

Vim /etc/prometheus/prometheus.yaml

And go to my git hub repo

1] <https://github.com/ASHISHKHOPADE-DEVOPS/GRAFHANA.git>

2] prometheus_serviceDiscovery.yml file copy and paste

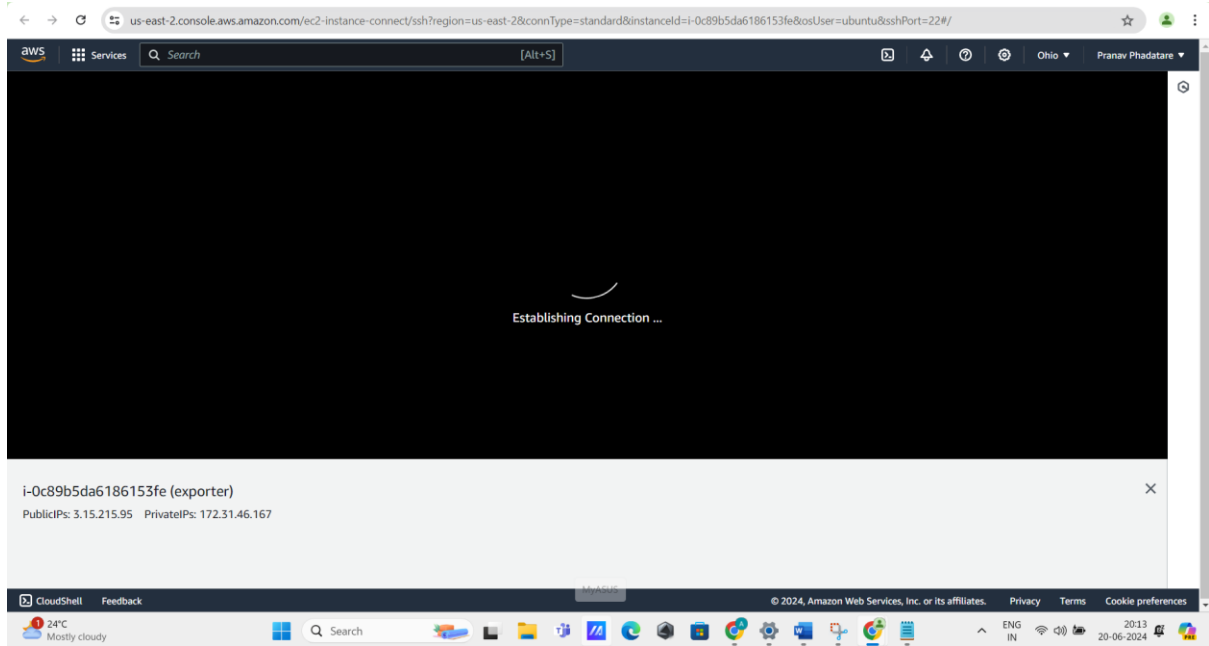
Prometheus.yaml file

16] then go to exporter server and git install

2]git clone <https://github.com/ASHISHKHOPADE-DEVOPS/GRAFHANA.git>

3]chmod 777 install-noode.exporter

4)./install-node.exporter



Then check

1]prometheus public ip:3000

