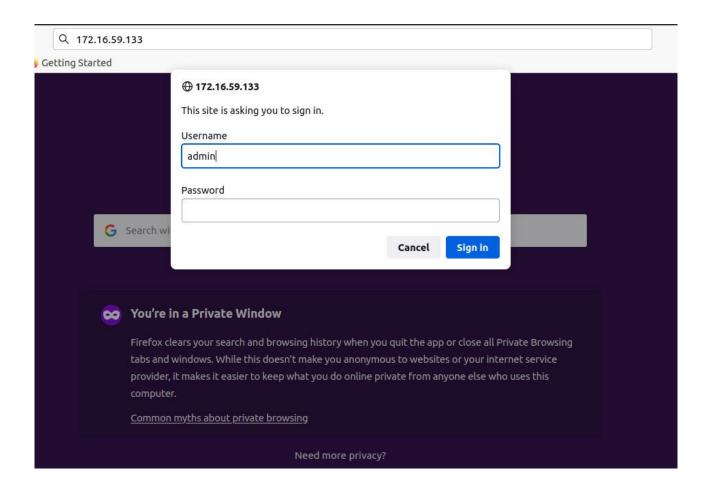
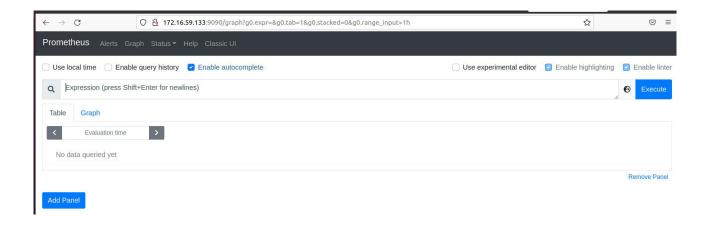
```
#########installation of prometheus and setting it up###########
export RELEASE="2.2.1"
sudo useradd --no-create-home --shell /bin/false prometheus
sudo mkdir /etc/prometheus
sudo mkdir /var/lib/prometheus
sudo chown prometheus:prometheus /etc/prometheus
sudo chown prometheus:prometheus /var/lib/prometheus
cd /opt/
wget https://github.com/prometheus/prometheus/releases/download/v2.26.0/prometheus-
2.26.0.linux-amd64.tar.gz
sha256sum prometheus-2.26.0.linux-amd64.tar.gz
tar -xvf prometheus-2.26.0.linux-amd64.tar.gz
cd prometheus-2.26.0.linux-amd64
sudo cp /opt/prometheus-2.26.0.linux-amd64/prometheus /usr/local/bin/
sudo cp /opt/prometheus-2.26.0.linux-amd64/promtool /usr/local/bin/
sudo chown prometheus:prometheus /usr/local/bin/prometheus
sudo chown prometheus:prometheus /usr/local/bin/promtool
sudo cp -r /opt/prometheus-2.26.0.linux-amd64/consoles /etc/prometheus
sudo cp -r /opt/prometheus-2.26.0.linux-amd64/console_libraries /etc/prometheus
sudo cp -r /opt/prometheus-2.26.0.linux-amd64/prometheus.yml /etc/prometheus
sudo chown -R prometheus:prometheus /etc/prometheus/consoles
sudo chown -R prometheus:prometheus /etc/prometheus/console libraries
sudo chown -R prometheus:prometheus/prometheus.yml
prometheus --version
promtool --version
cat /etc/prometheus/prometheus.yml
sudo -u prometheus /usr/local/bin/prometheus
       --config.file /etc/prometheus/prometheus.yml
       --storage.tsdb.path /var/lib/prometheus/
       --web.console.templates=/etc/prometheus/consoles
       --web.console.libraries=/etc/prometheus/console_libraries
sudo nano /etc/systemd/system/prometheus.service
sudo systemctl daemon-reload
sudo systemctl start prometheus
sudo systemctl enable prometheus
sudo systemctl status prometheus
```

sudo ufw allow 9090/tcp ufw reload ufw status ufw enable ufw disable ufw status verbose ufw enable ufw status ufw allow 22/tcp ufw reload ufw status ip a

###########Configuration basic authentication username/password########sudo apt-get update
sudo apt-get install nginx -y
sudo apt-get install apache2-utils
sudo htpasswd -c /etc/nginx/.htpasswd admin
sudo cp /etc/nginx/sites-available/default /etc/nginx/sites-available/prometheus
sudo nano /etc/nginx/sites-available/prometheus
sudo rm /etc/nginx/sites-enabled/default
sudo ln -s /etc/nginx/sites-available/prometheus /etc/nginx/sites-enabled/
sudo nginx -t
sudo systemctl reload nginx
sudo systemctl status nginx



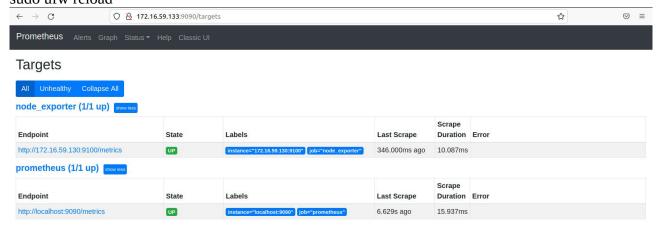


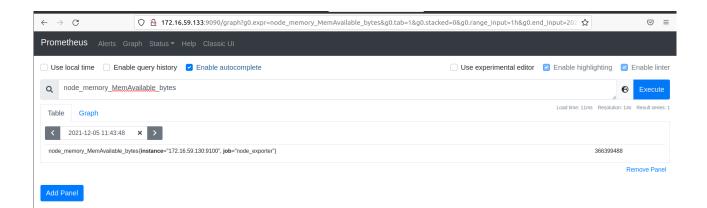
sudo systemctl status node_exporter

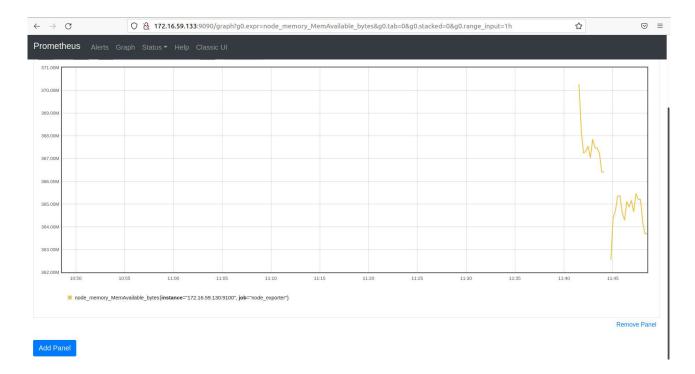
sudo useradd --no-create-home --shell /bin/false node_exporter wget https://github.com/prometheus/node_exporter/releases/download/v1.2.0/node_exporter-1.2.0.linux-amd64.tar.gz sudo tar xvzf node exporter-1.2.0.linux-amd64.tar.gz cd node_exporter-1.2.0.linux-amd64 sudo cp node_exporter /usr/local/bin sudo chown node_exporter:node_exporter /usr/local/bin/node_exporter cd /lib/systemd/system sudo nano node_exporter.service rm -rf node_exporter-0.15.1.linux-amd64.tar.gz node_exporter-0.15.1.linux-amd64 sudo nano /etc/systemd/system/node_exporter.service cd /lib/systemd/system sudo nano node_exporter.service sudo systemctl daemon-reload sudo systemctl start node_exporter sudo systemctl status node_exporter sudo nano node_exporter.service sudo nano /etc/systemd/system/node_exporter.service sudo systemctl daemon-reload sudo systemctl start node_exporter

```
er.service
aroj@ubuntu-serv1:/lib/systemd/system$ sudo systemctl daemon-reload
aroj@ubuntu-serv1:/lib/systemd/system$ sudo systemctl start node_exporter
aroj@ubuntu-serv1:/lib/systemd/system$ sudo systemctl status node_exporter
node_exporter.service - Node Exporter
    Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; vendor>
    Active: active (running) since Sun 2021-12-05 03:23:16 PST; 3s ago
  Main PID: 3581 (node_exporter)
     Tasks: 4 (limit: 2260)
    Memory: 2.4M
    CGroup: /system.slice/node_exporter.service
              -3581 /usr/local/bin/node_exporter
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16 ubuntu-serv1 node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ec 05 03:23:16    ubuntu-serv1    node_exporter[3581]: level=info ts=2021-12-05T11:2>
ines 1-19/19 (END)
```

sudo systemctl enable node_exporter sudo ufw allow 9100/tcp sudo ufw reload







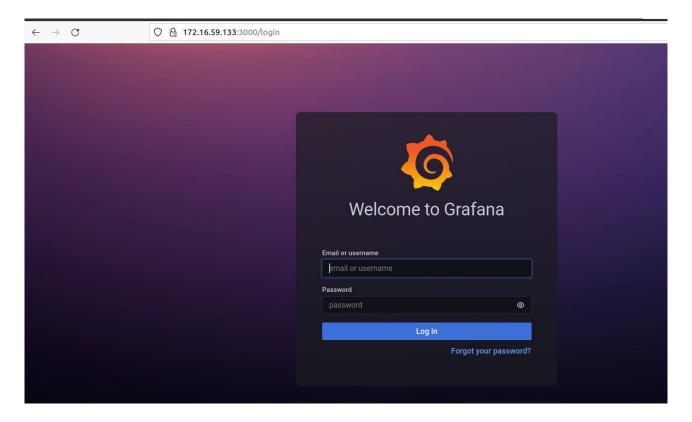
```
GNU nano 4.8 /etc/prometheus/prometheus.yml

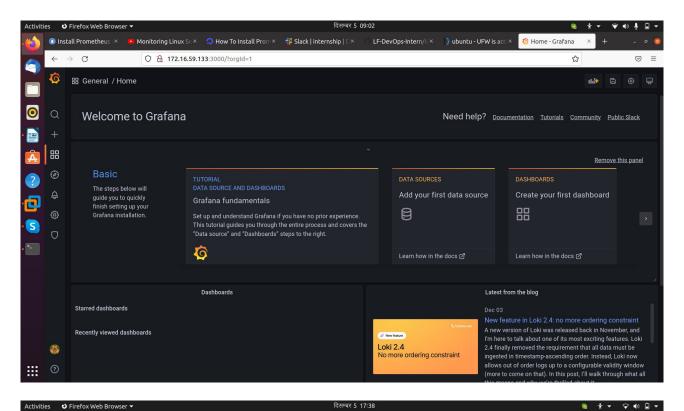
"ule_files:
    # - "first_rules.yml"
    # - "second_rules.yml"

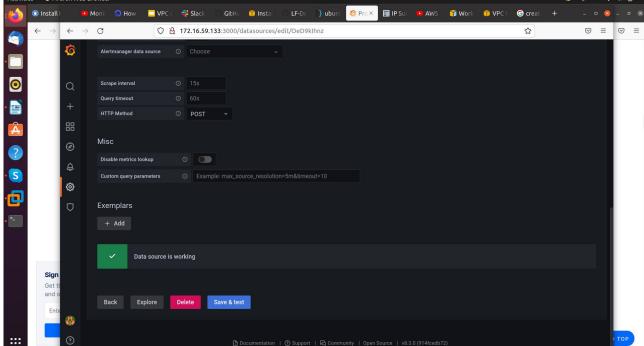
A scrape configuration containing exactly one endpoint to scrape:
Here it's Prometheus itself.
scrape_configs:
    # The job name is added as a label `job=<job_name>` to any timeseries scraped>
    - job_name: 'prometheus'

# metrics_path defaults to '/metrics'
    # scheme defaults to 'http'.

static_configs:
    - targets: ['localhost:9090']
    - job_name: 'node_exporter'
    scrape_interval: 5s
    static_configs:
    - targets: ['172.16.59.130:9100']
```







Add node exporter id and add it to grafana

