dnf update -y

dnf install -y https://dl.grafana.com/enterprise/release/grafana-enterprise-11.1.4-1.x86\_64.rpm

wget https://github.com/prometheus/prometheus/releases/download/v2.53.2/prometheus-2.53.2.linux-amd64.tar.gz

wget https://github.com/prometheus/node\_exporter/releases/download/v1.8.2/node\_exporter-1.8.2.linux-amd64.tar.gz

tar -xvf prometheus-2.53.2.linux-amd64.tar.gz

tar -xvf node\_exporter-1.8.2.linux-amd64.tar.gz

cp -rvf node\_exporter-1.8.2.linux-amd64/node\_exporter /usr/local/bin

cp -rvf prometheus-2.53.2.linux-amd64/prom\* /usr/local/bin

mkdir -p /etc/prometheus

cp -rvf prometheus-2.53.2.linux-amd64/prometheus.yml /etc/prometheus/

Config file mod

nano /etc/prometheus/prometheus.yml

#append at end

- job\_name: "node\_exporter"

# metrics\_path defaults to '/metrics'

# scheme defaults to 'http'.

static\_configs:

- targets: ["localhost:9100"]

Firewall mod

firewall-cmd --add-port=3000/tcp --permanent

firewall-cmd --add-port=9100/tcp --permanent

firewall-cmd --add-port=9090/tcp --permanent

firewall-cmd --reload

Systemd unit conf for automatic execution

nano /etc/systemd/system/prometheus.service

##add content

[Unit]

Description=prometheus@9090

[Service]

User=root

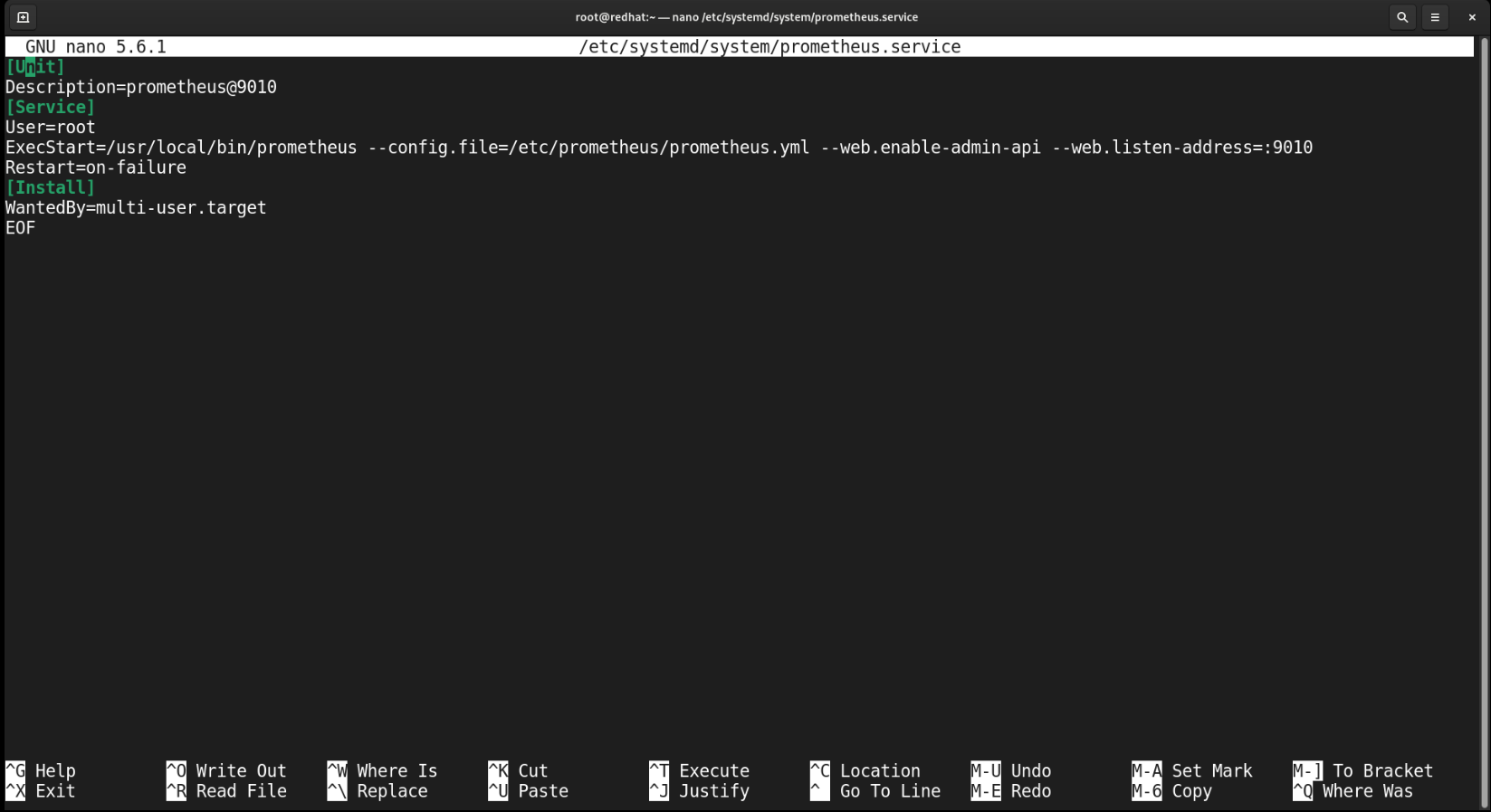
ExecStart=/usr/local/bin/prometheus --config.file=/etc/prometheus/prometheus.yml

#--web.enable-admin-api --web.listen-address=”0.0.0.0:9090”

Restart=on-failure

[Install]

WantedBy=multi-user.target



nano /etc/systemd/system/node\_exporter.service

[Unit]

Description=node\_exporter@9100

[Service]

User=root

ExecStart=/usr/local/bin/node\_exporter

Restart=on-failure

[Install]

WantedBy=multi-user.target



systemctl daemon-reload

systemctl start node\_exporter.service

systemctl start prometheus.service

systemctl enable node\_exporter.service

systemctl enable prometheus.service

systemctl start grafana-server

##check if the configured services are active

semanage port -a -t http\_port\_t -p tcp 9090

semanage port -a -t http\_port\_t -p tcp 9080

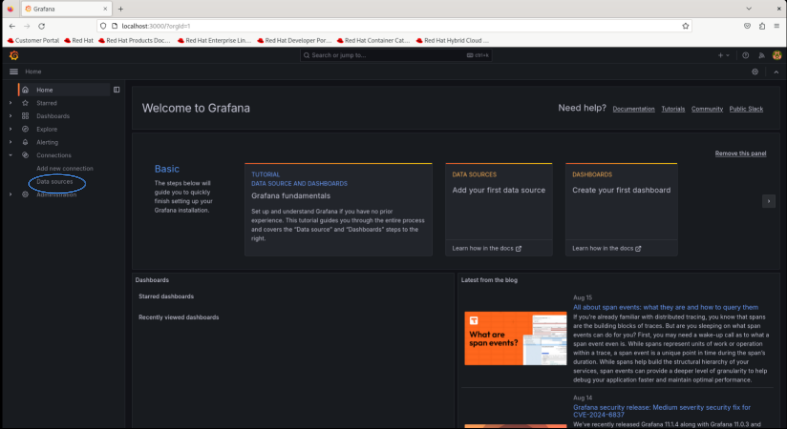
semanage port -a -t http\_port\_t -p tcp 9100

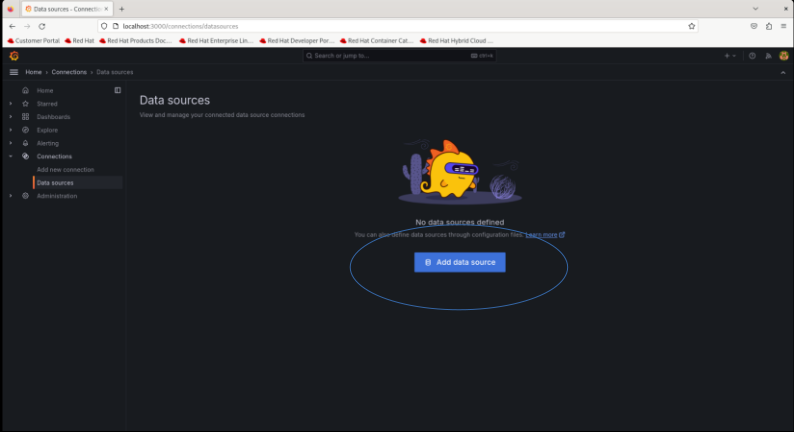
semanage port -a -t http\_port\_t -p tcp 3100

semanage port -a -t http\_port\_t -p tcp 3000

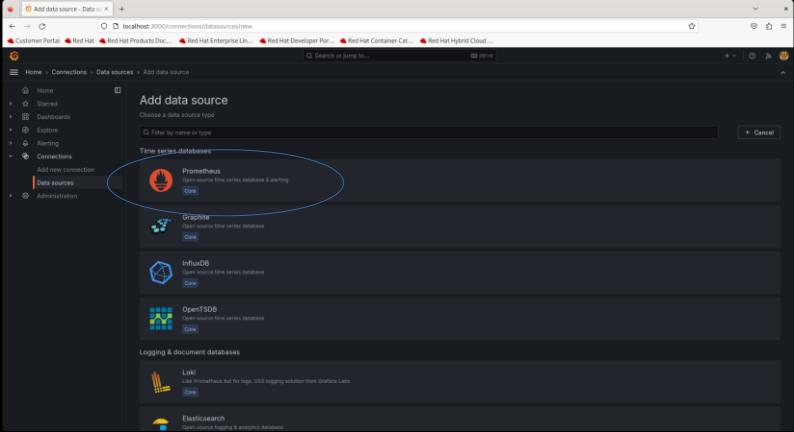
WEB Dashboard Configuration

<http://localhost:3000>

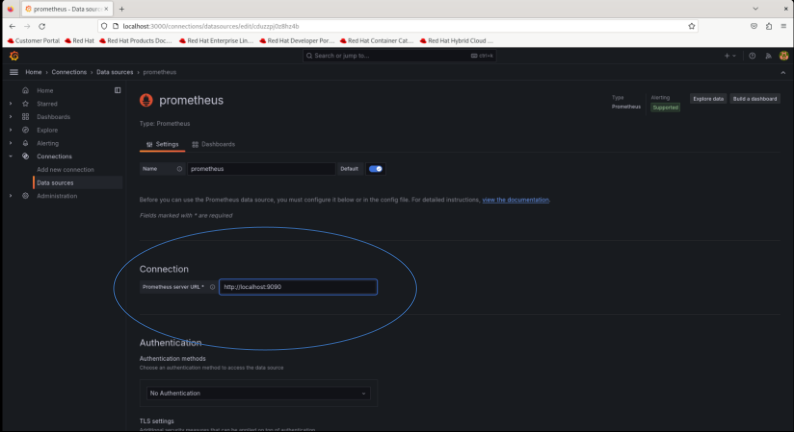




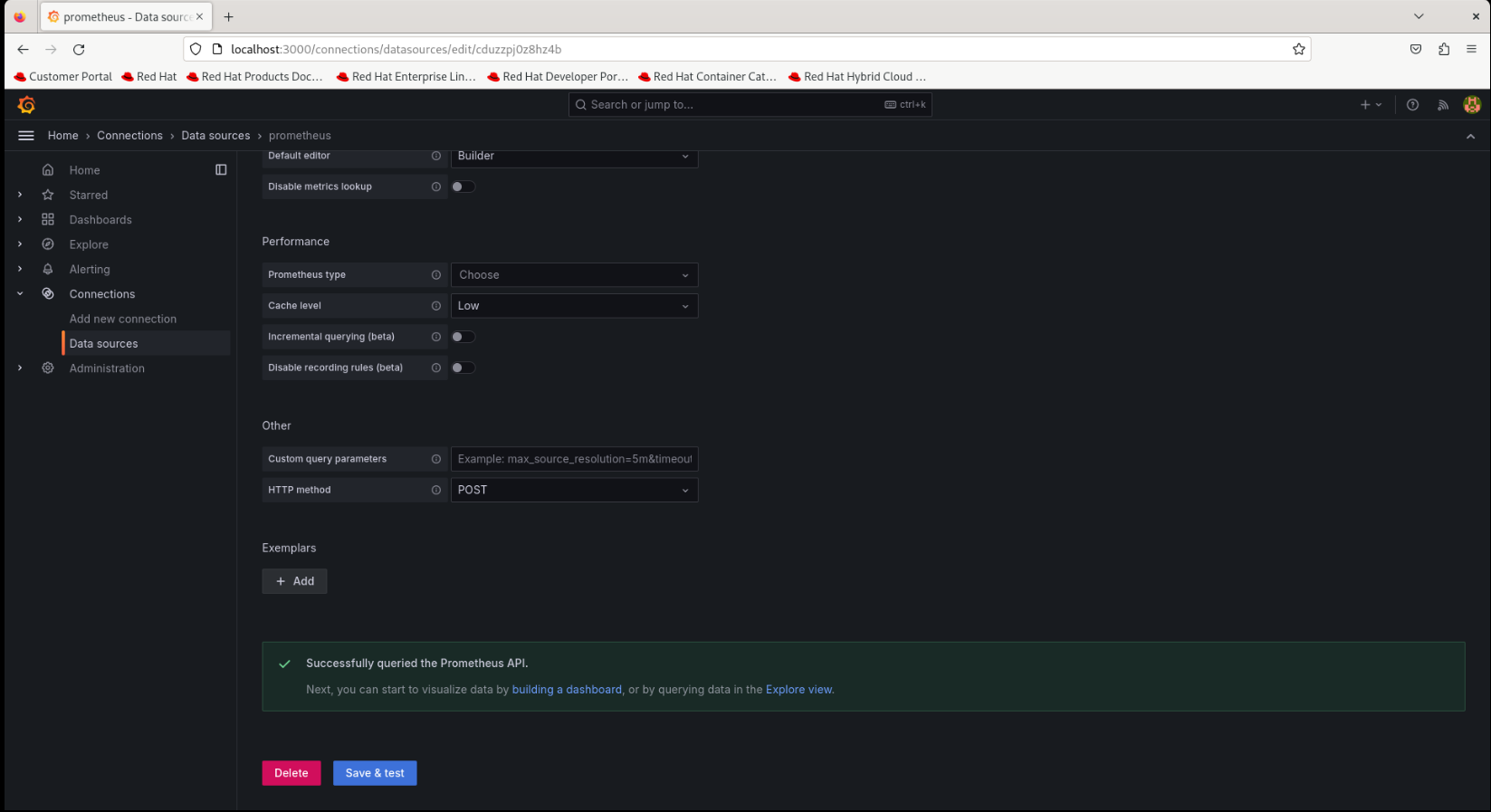
Add prometheus as data source



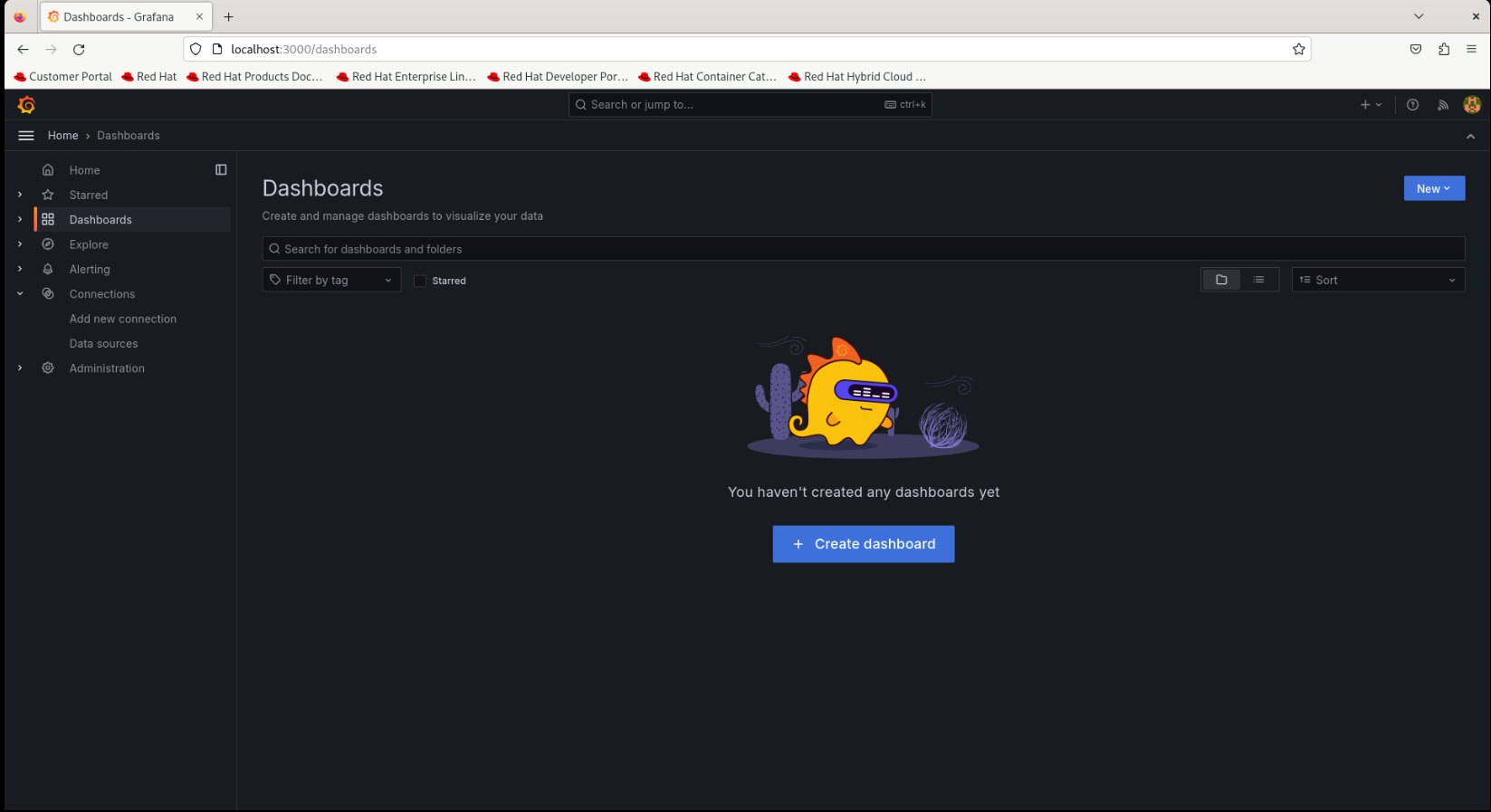
Edit Connection by add the url http://localhost:9090



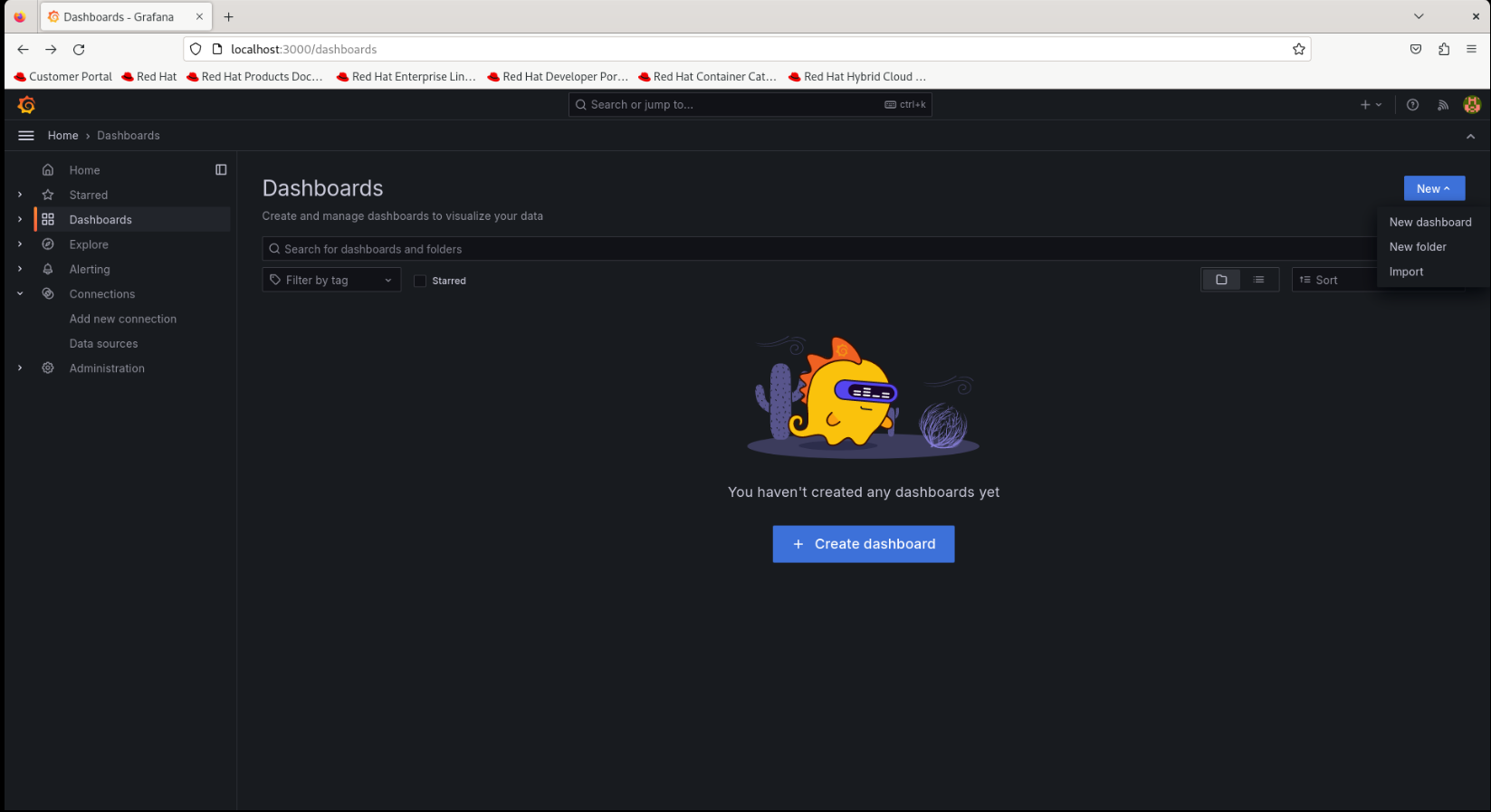
Save and test



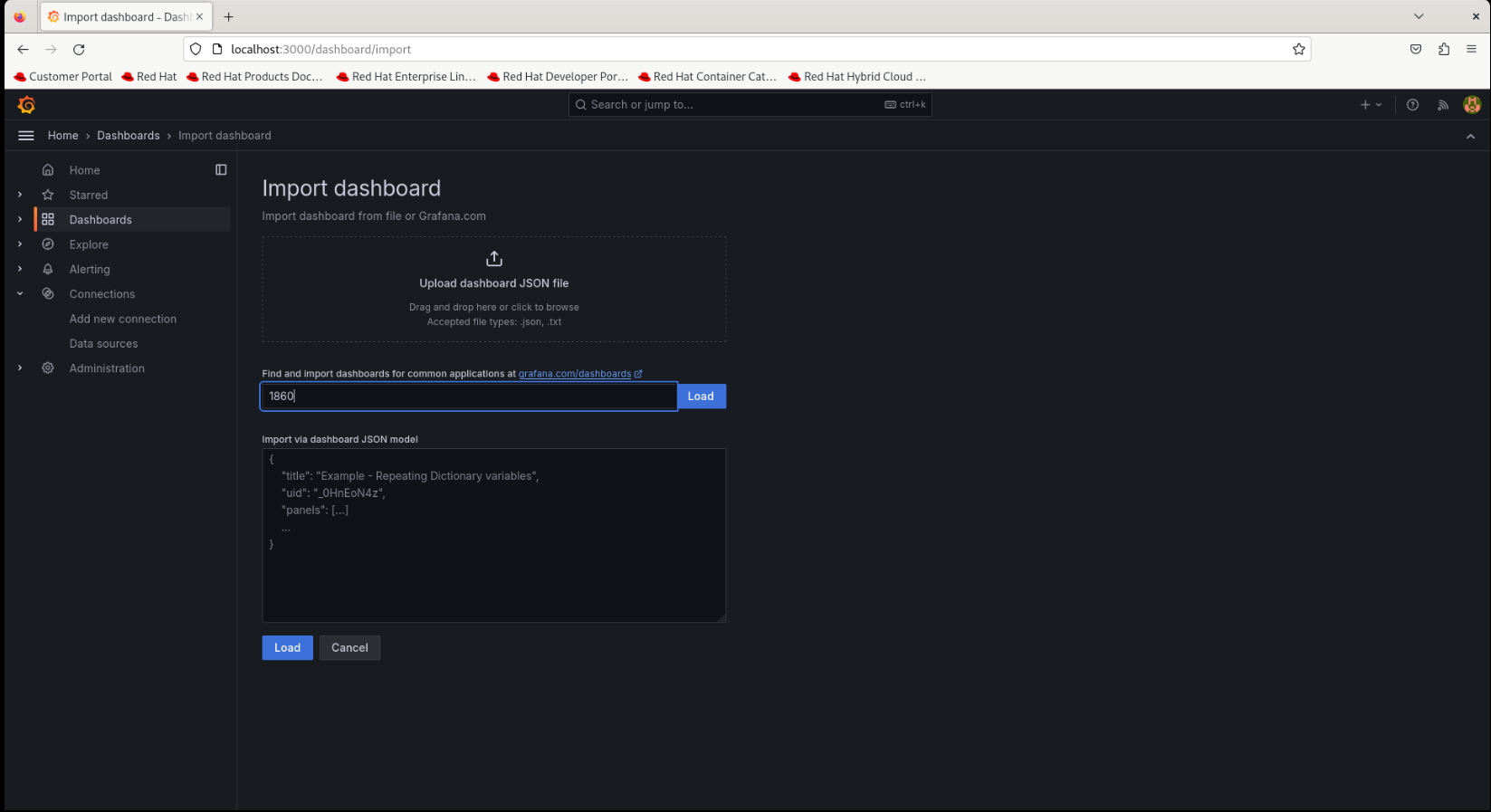
Select dashboard from the menu, then click new



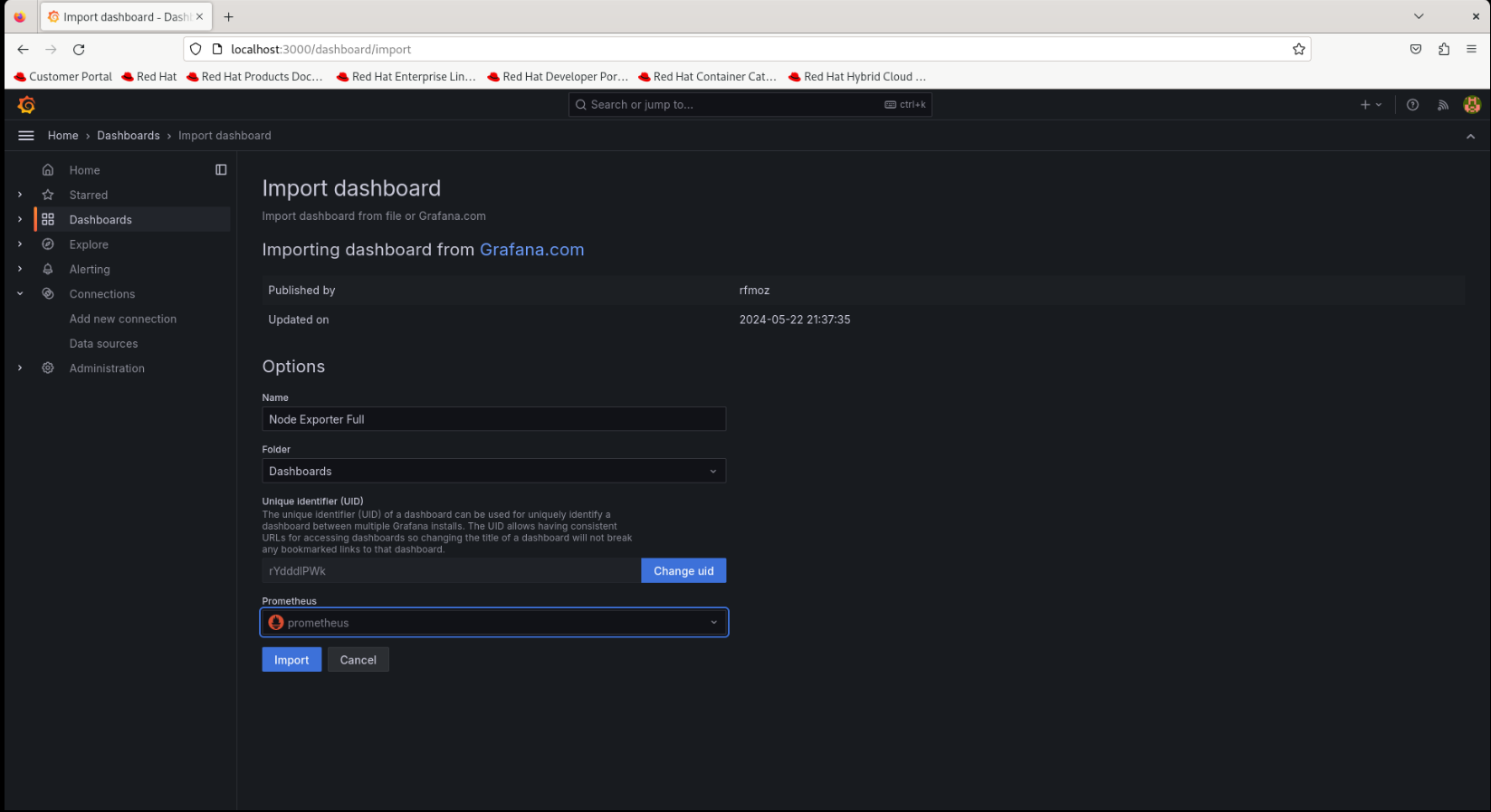
Select import



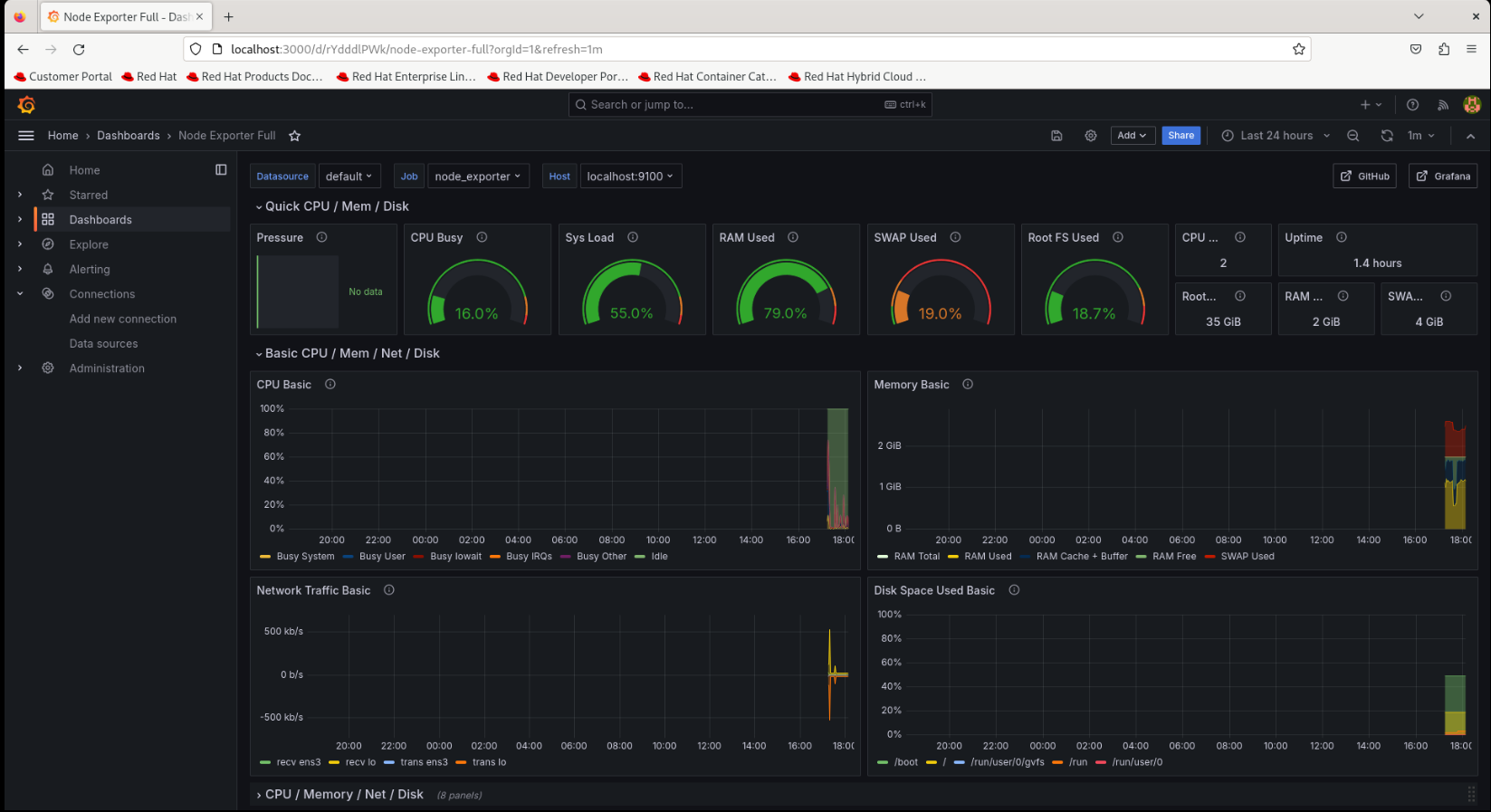
Click import and, value 1860 and then click load near the id field.



Select the created datasource, click import



Out:



Logs monitor setup

wget -q -O gpg.key https://rpm.grafana.com/gpg.key

rpm --import gpg.key

##Create repo file with following content

nano /etc/yum.repos.d/grafana.repo

[grafana]

name=grafana

baseurl=https://rpm.grafana.com

repo\_gpgcheck=1

enabled=1

gpgcheck=1

gpgkey=https://rpm.grafana.com/gpg.key

sslverify=1

sslcacert=/etc/pki/tls/certs/ca-bundle.crt

dnf update

dnf install loki promtail

systemctl start loki

systemctl enable loki

systemctl start promtail

systemctl enable promtail

nano /etc/promtail/config.yml

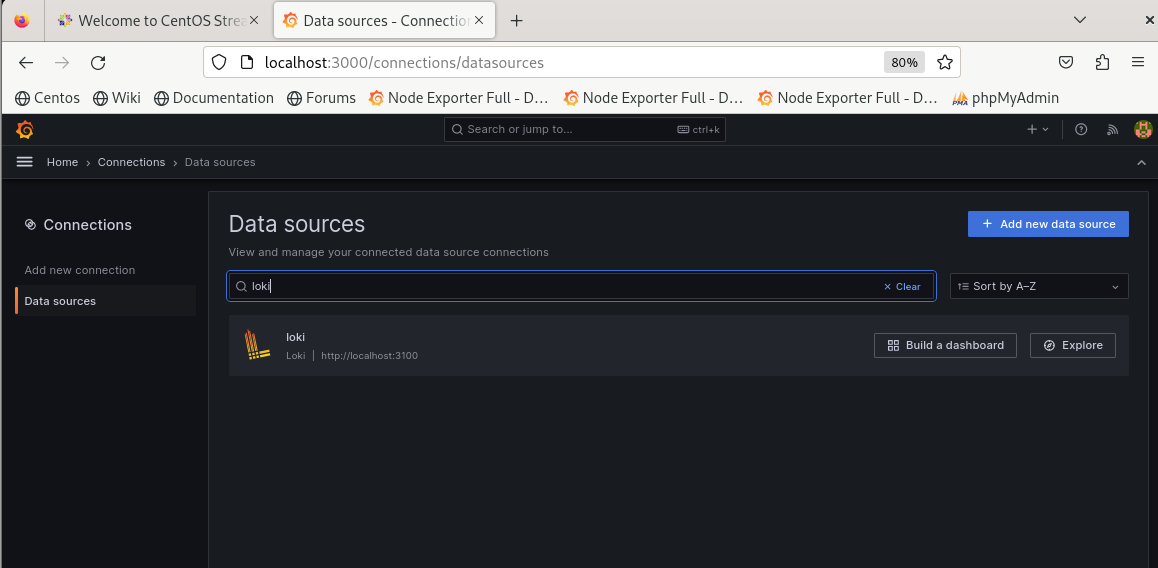
/var/log/messages → /var/log/\*

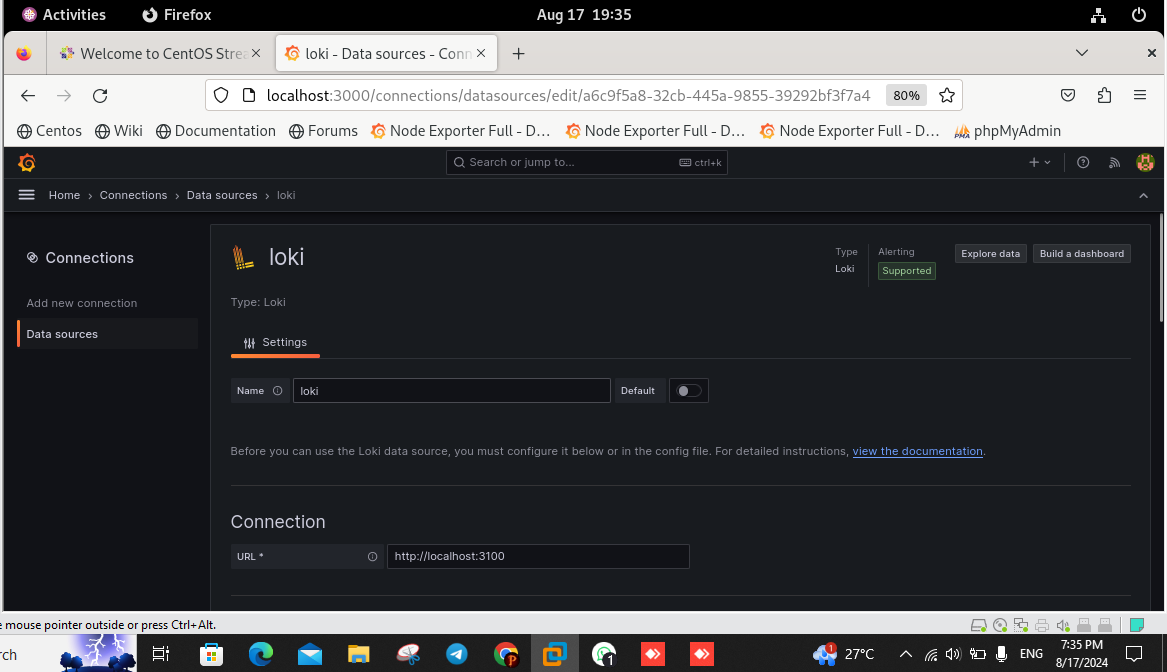
firewall-cmd --add-port=3100/tcp --permanent

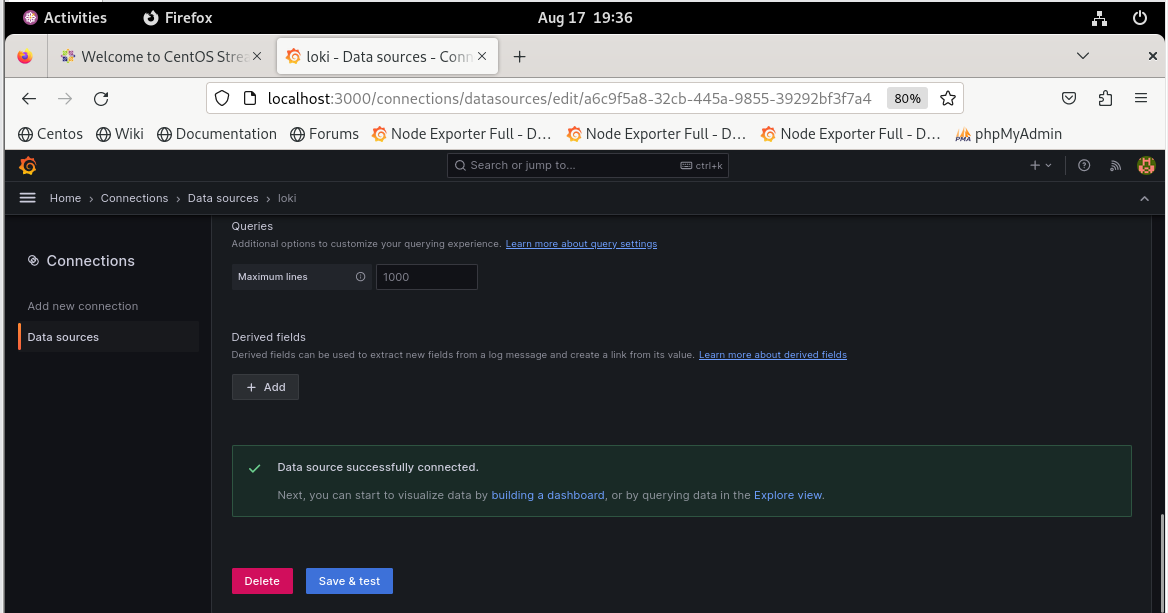
firewall-cmd --add-port=9080/tcp --permanent

firewall-cmd --reload

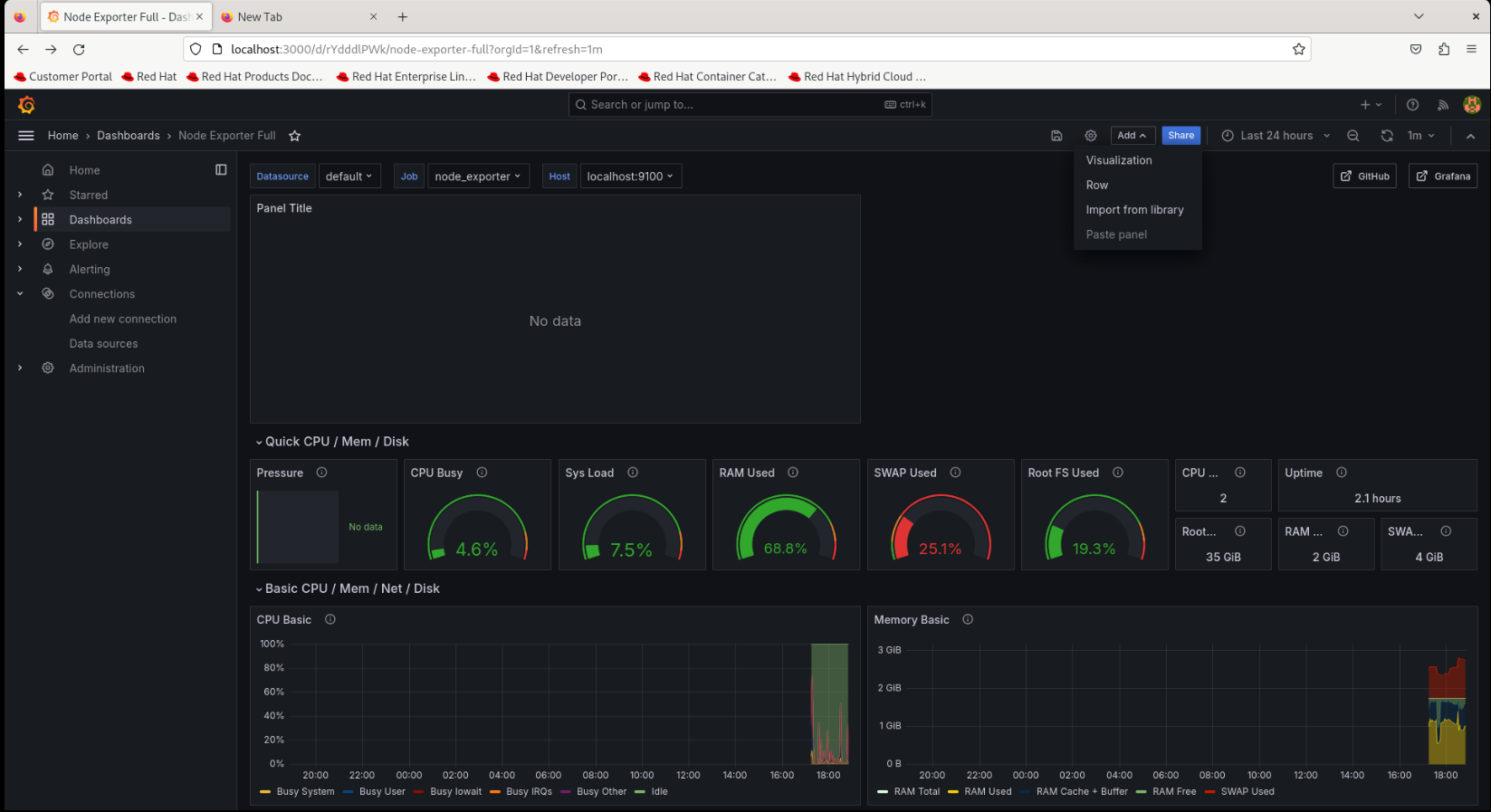
WEB Dashboard Configuration



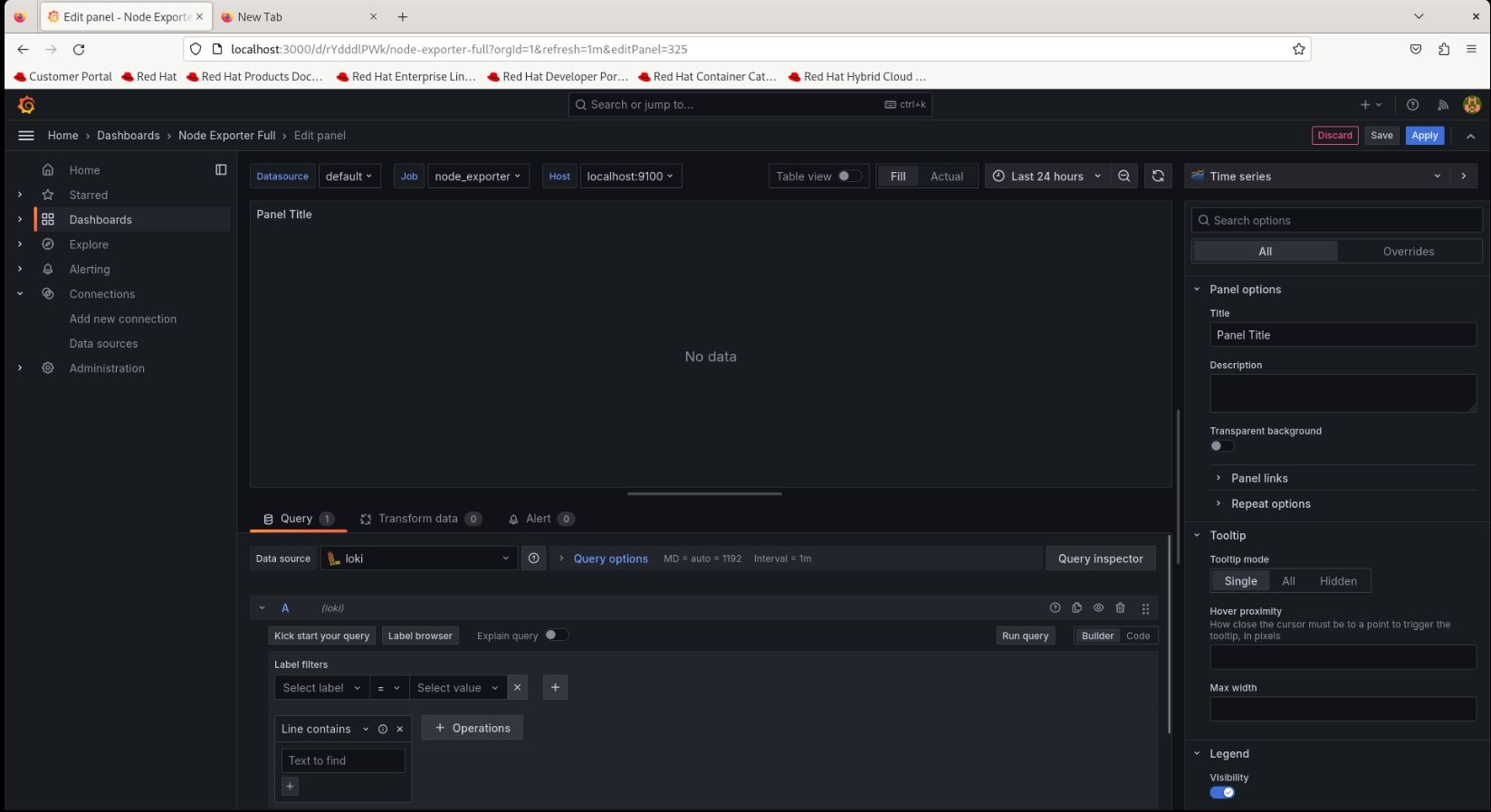




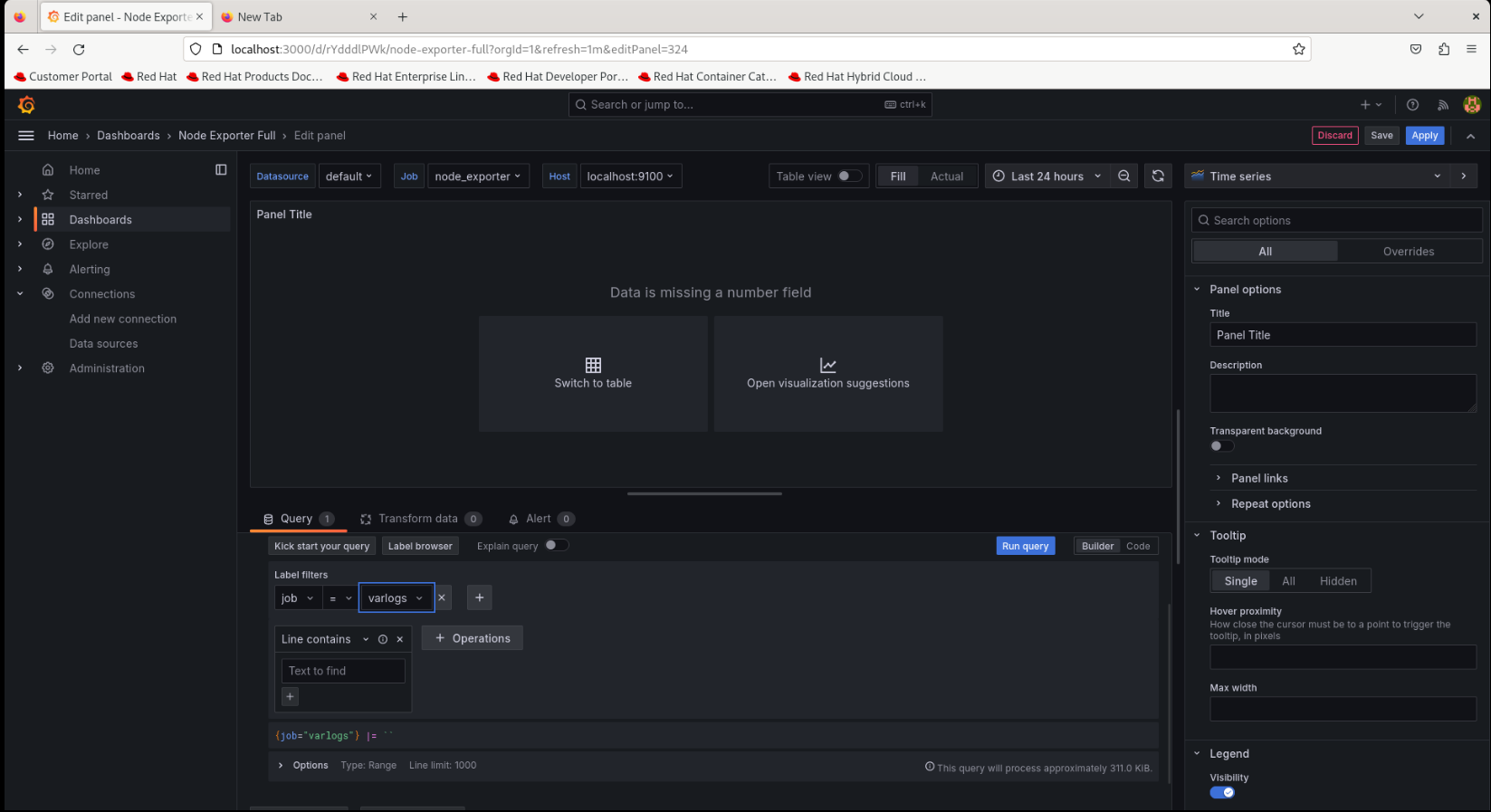
##select the visualisation option



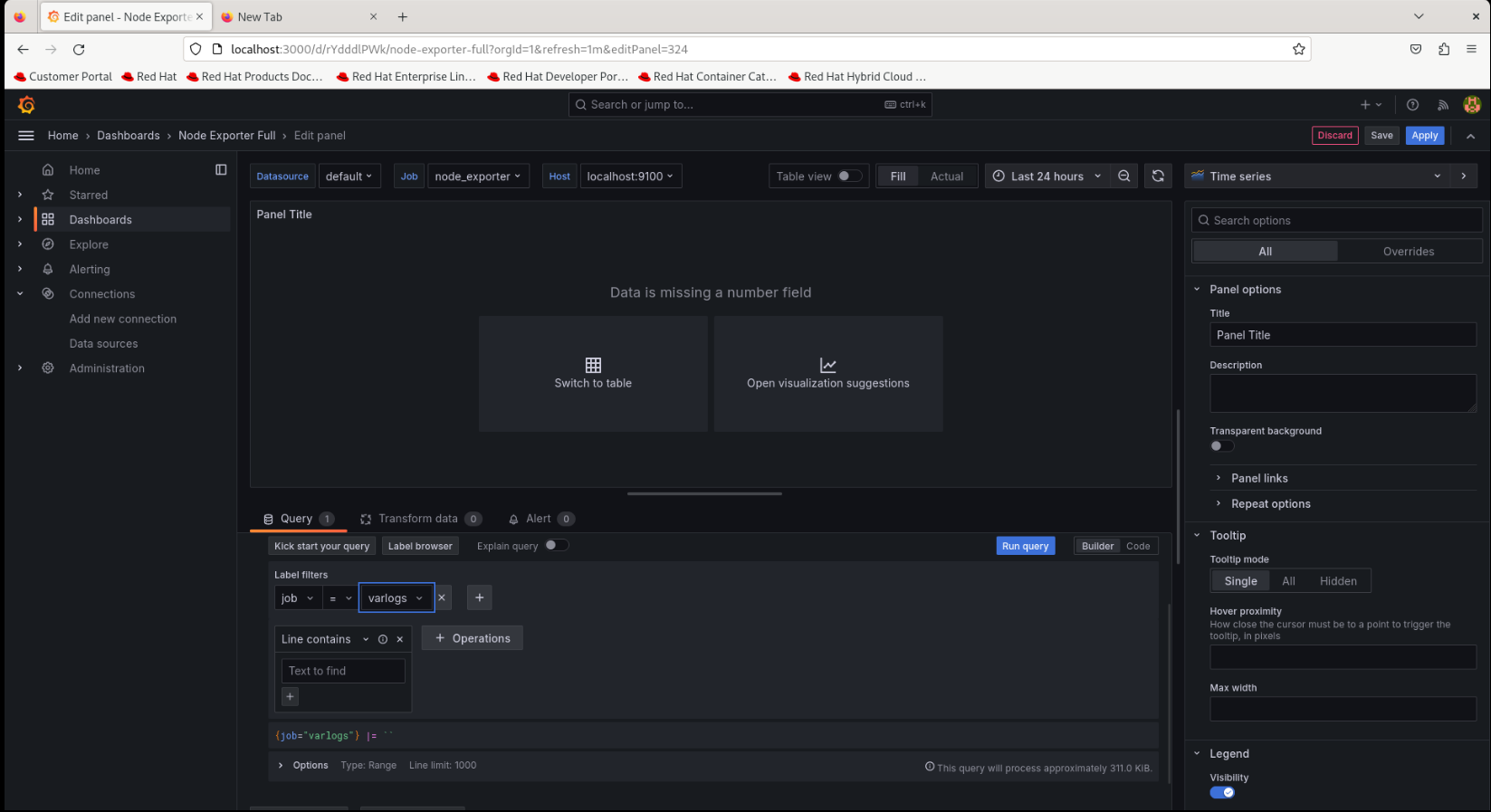
##select loki as data source



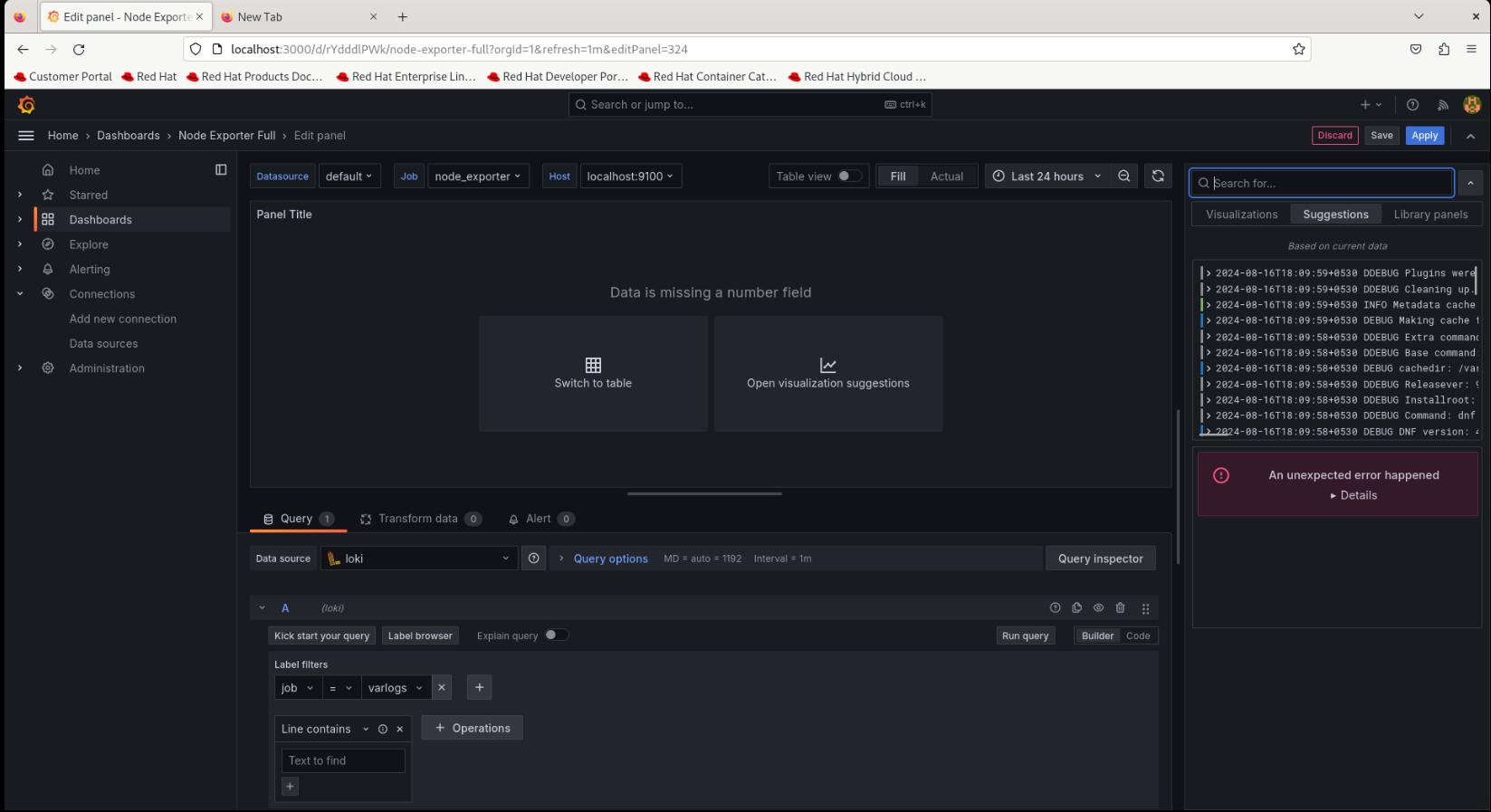
#select job and varlogs in the label and value



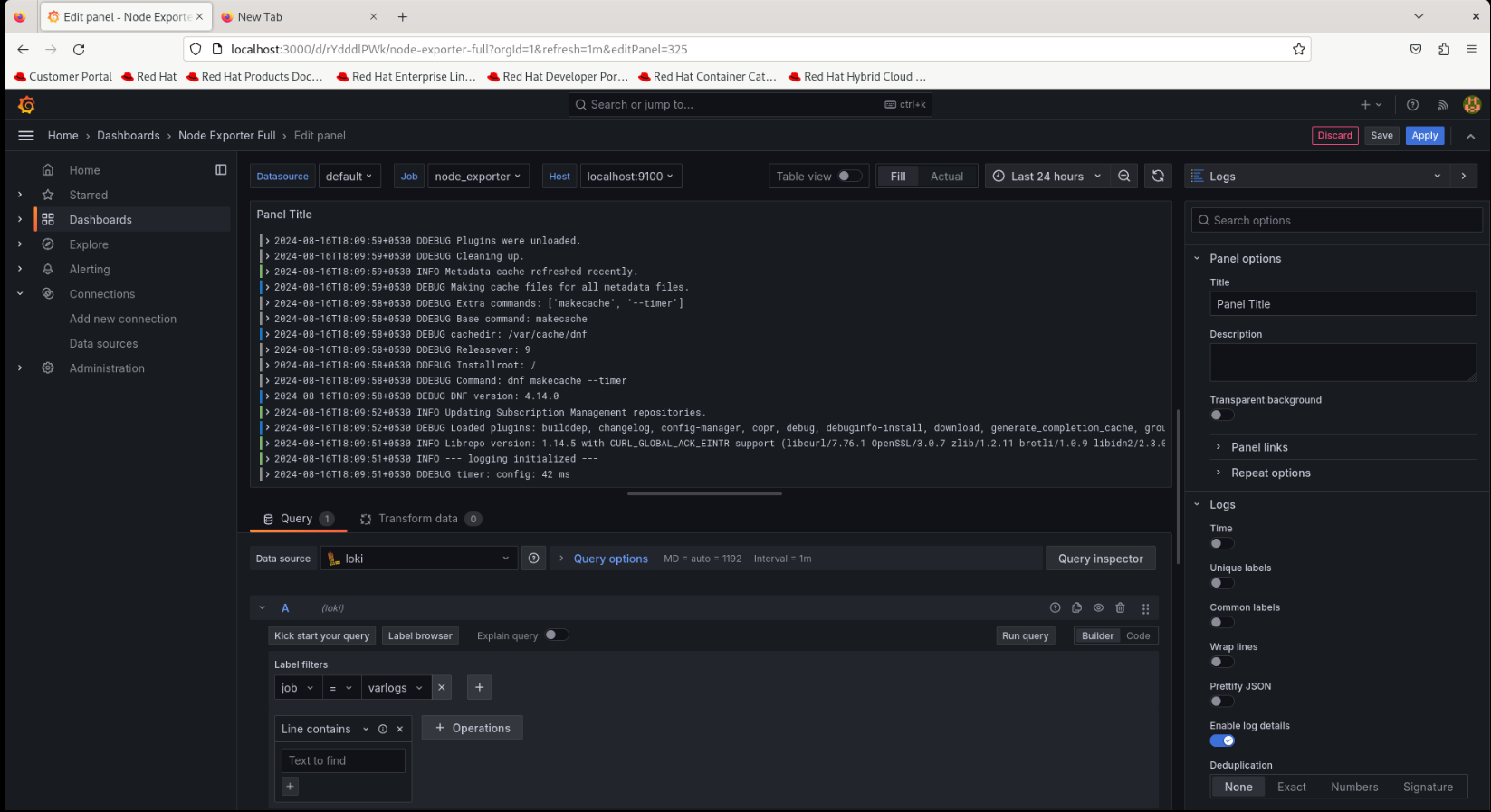
#run query

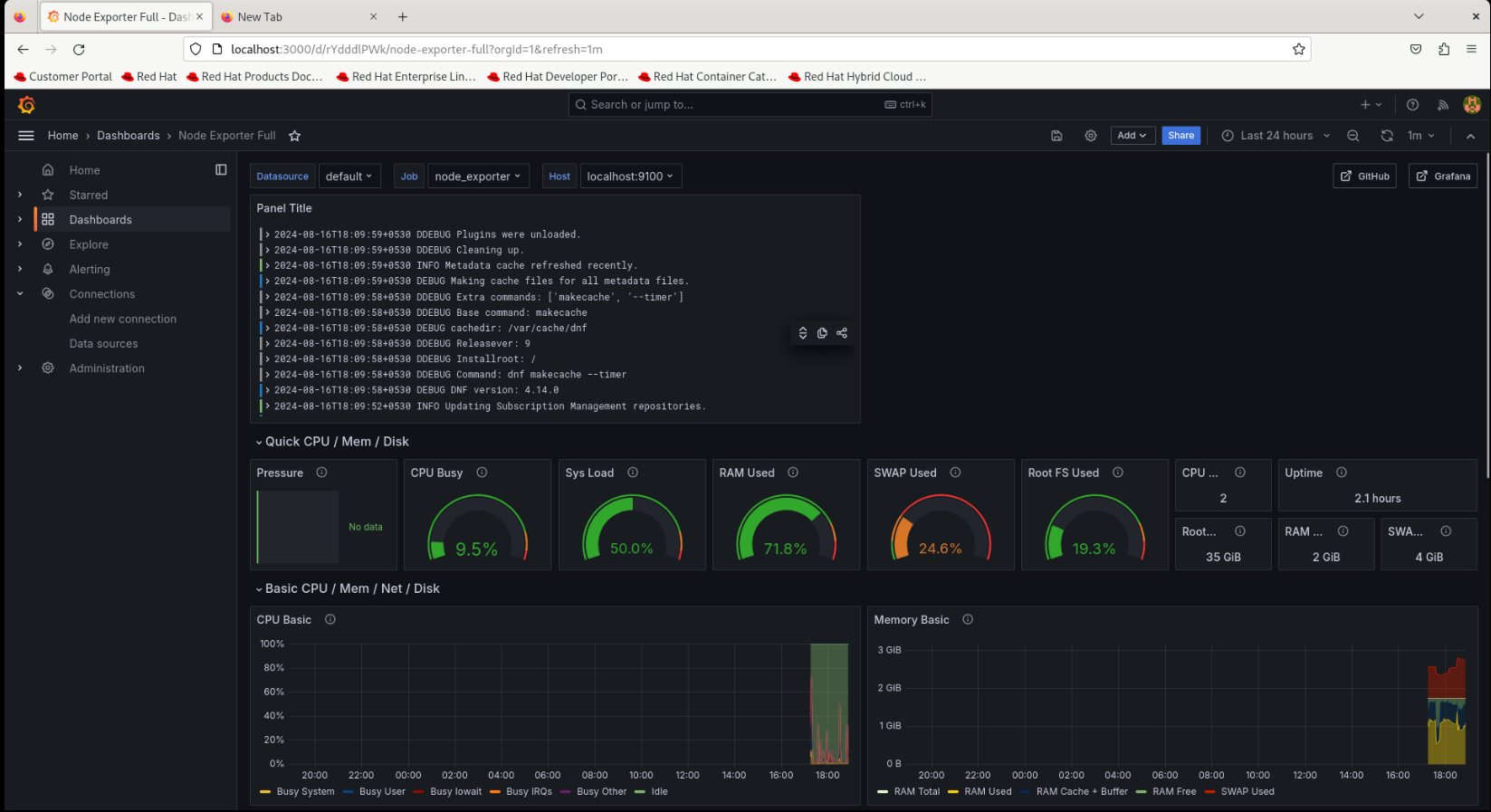


#select open visualization suggestions and select the suggestion by clicking the change in right side



#click apply





# PHPMYADMIN

dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-9.noarch.rpm

dnf update

dnf install httpd phpmyadmin mysql-server -y

nano /etc/httpd/conf.d/phpMyAdmin.conf

#Find and replace

<Directory /usr/share/phpMyAdmin/>

AddDefaultCharset UTF-8

Require all granted

</Directory>

Systemctl restart httpd

Systemctl enable –now mysqld

mysql\_secure\_installation

mysql -u root -p