

```
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
```

```
root@redhat:~ - nano /etc/systemd/system/prometheus.service
GNU nano 5.6.1 /etc/systemd/system/prometheus.service
[Unit]
Description=prometheus@9010
[Service]
User=root
ExecStart=/usr/local/bin/prometheus --config.file=/etc/prometheus/prometheus.yml --web.enable-admin-api --web.listen-address=:9010
Restart=on-failure
[Install]
WantedBy=multi-user.target
EOF
```

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
```

```
root@redhat:~# nano /etc/systemd/system/node_exporter.service
GNU nano 5.6.1 /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
EOF

[ Read 11 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-] To Bracket
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo      M-6 Copy      ^O Where Was
```

systemctl daemon-reload

systemctl start node\_exporter.service

systemctl start prometheus.service

systemctl enable node\_exporter.service

systemctl enable prometheus.service

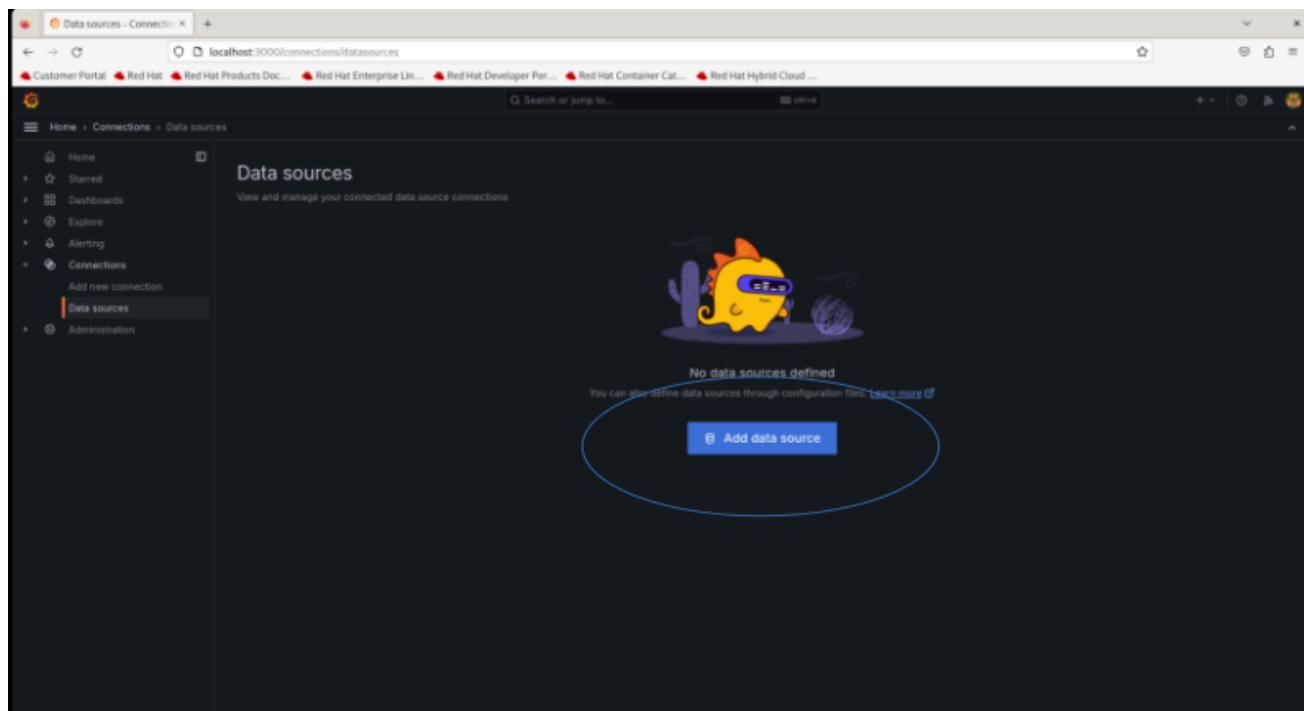
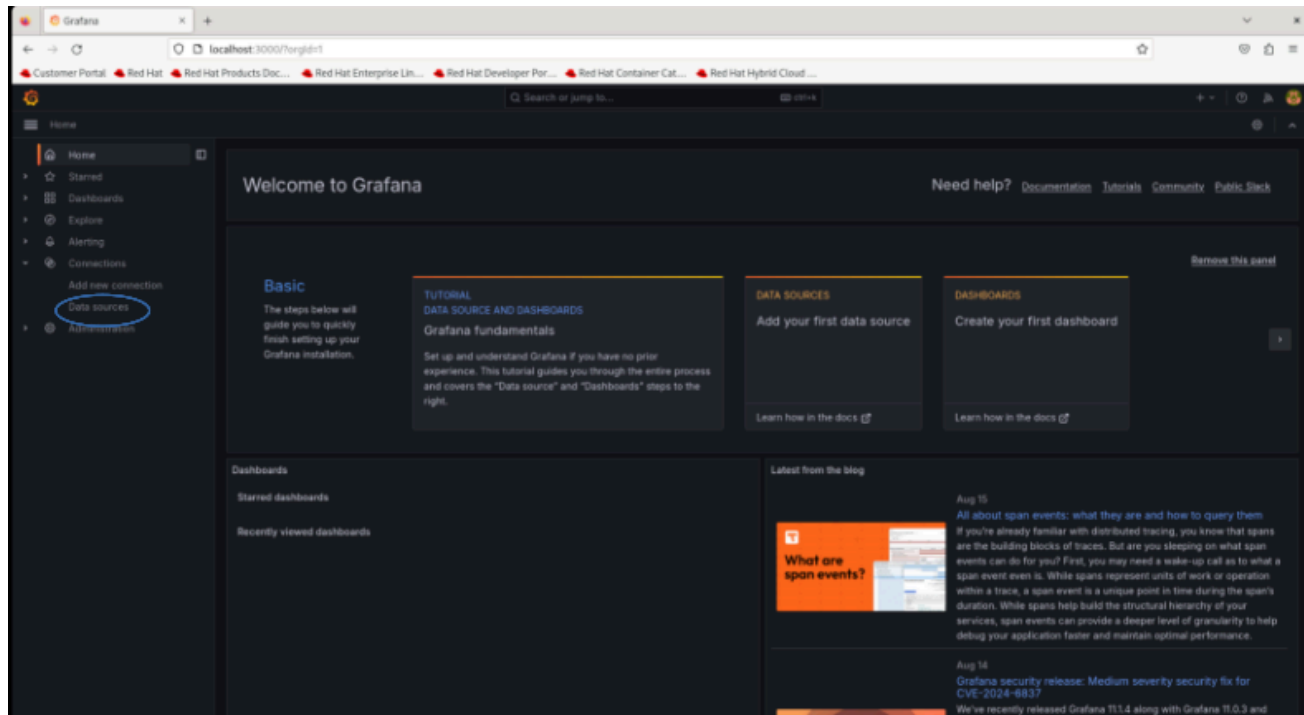
systemctl start grafana-server

##check if the configured services are active

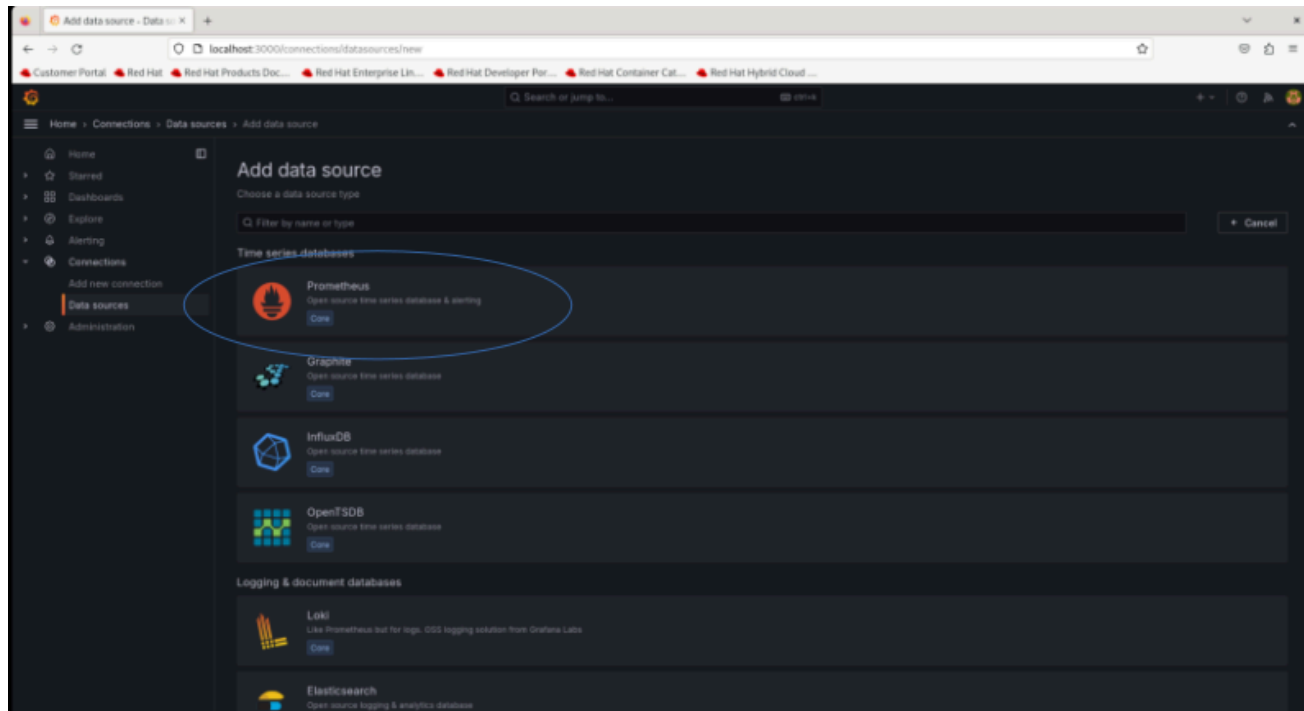
```
semanage port -a -t http_port_t -p tcp 9090
semanage port -a -t http_port_t -p tcp 9080
semanage port -a -t http_port_t -p tcp 9100
semanage port -a -t http_port_t -p tcp 3100
semanage port -a -t http_port_t -p tcp 3000
```

## WEB Dashboard Configuration

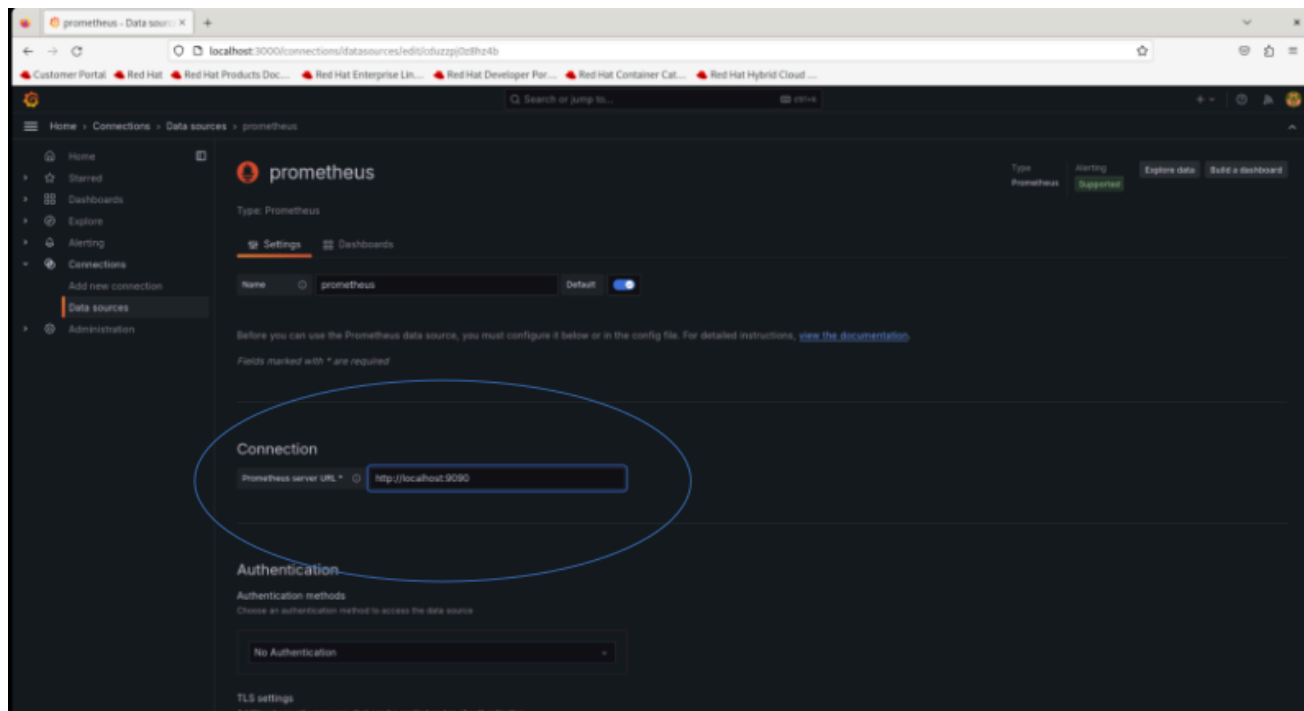
<http://localhost:3000>



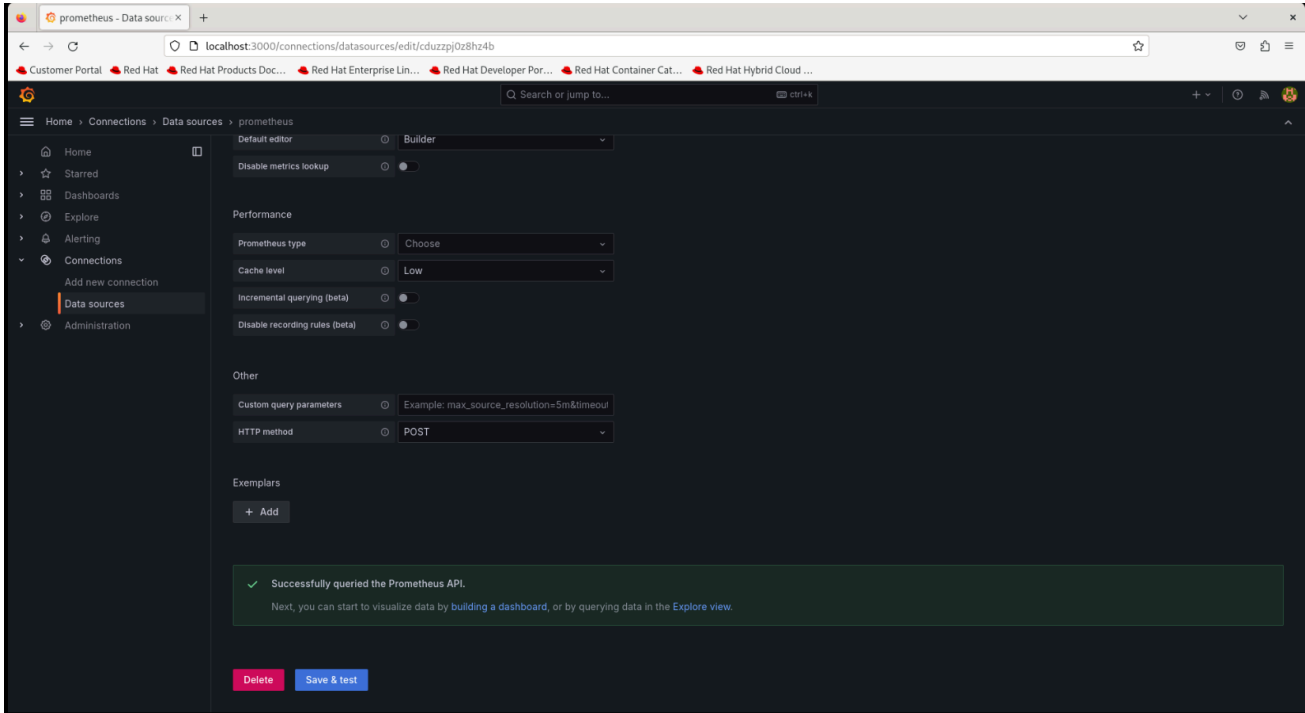
Add prometheus as data source



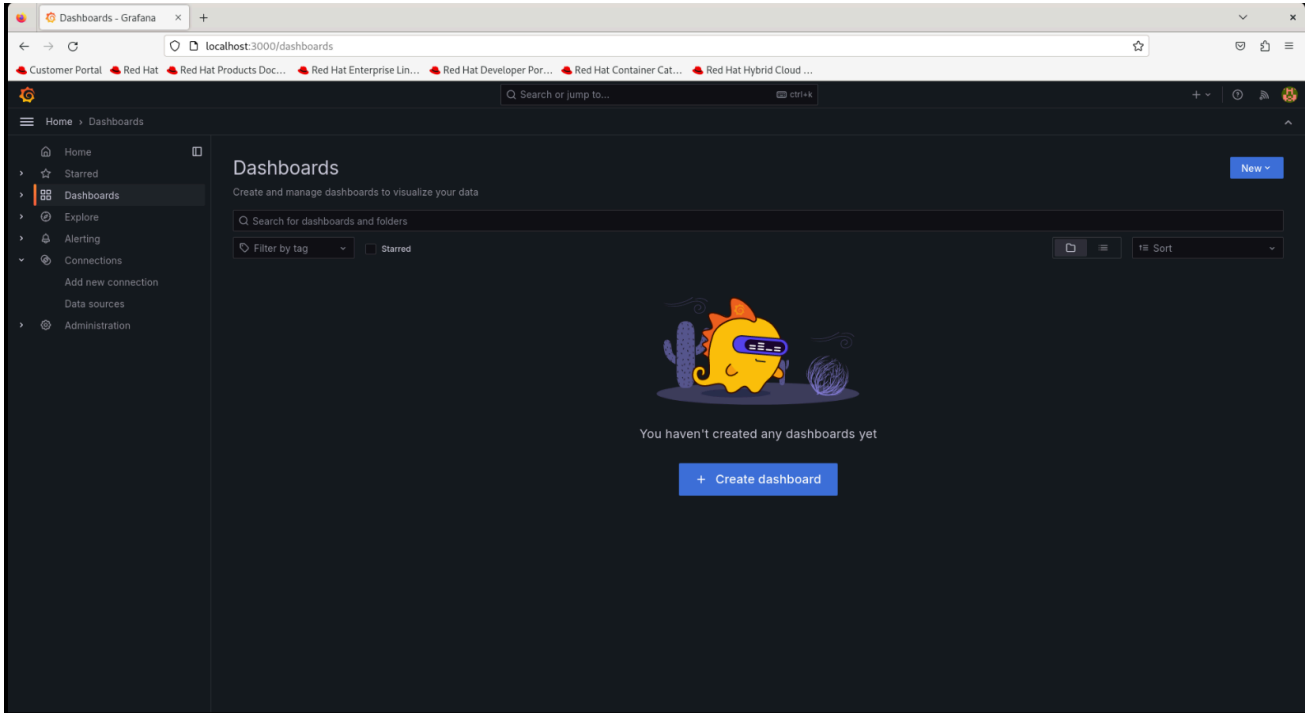
Edit Connection by add the url `http://localhost:9090`



Save and test

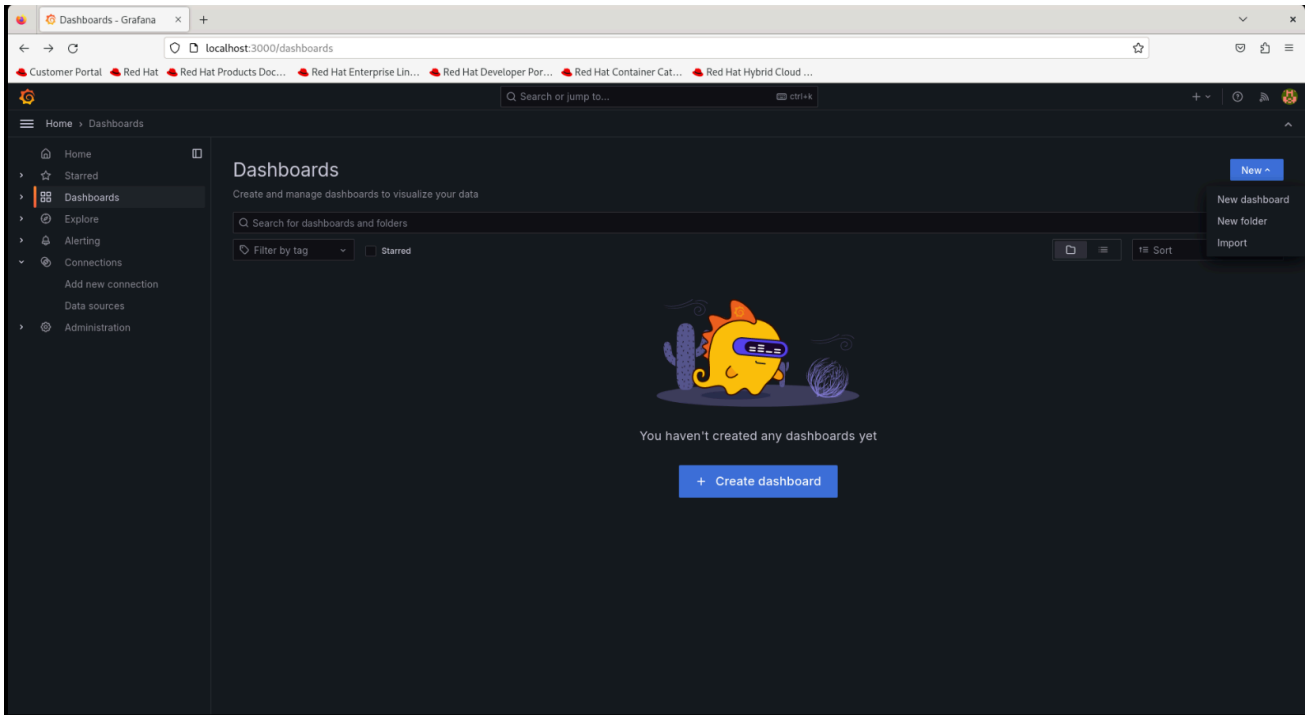


Select dashboard from the menu, then click new

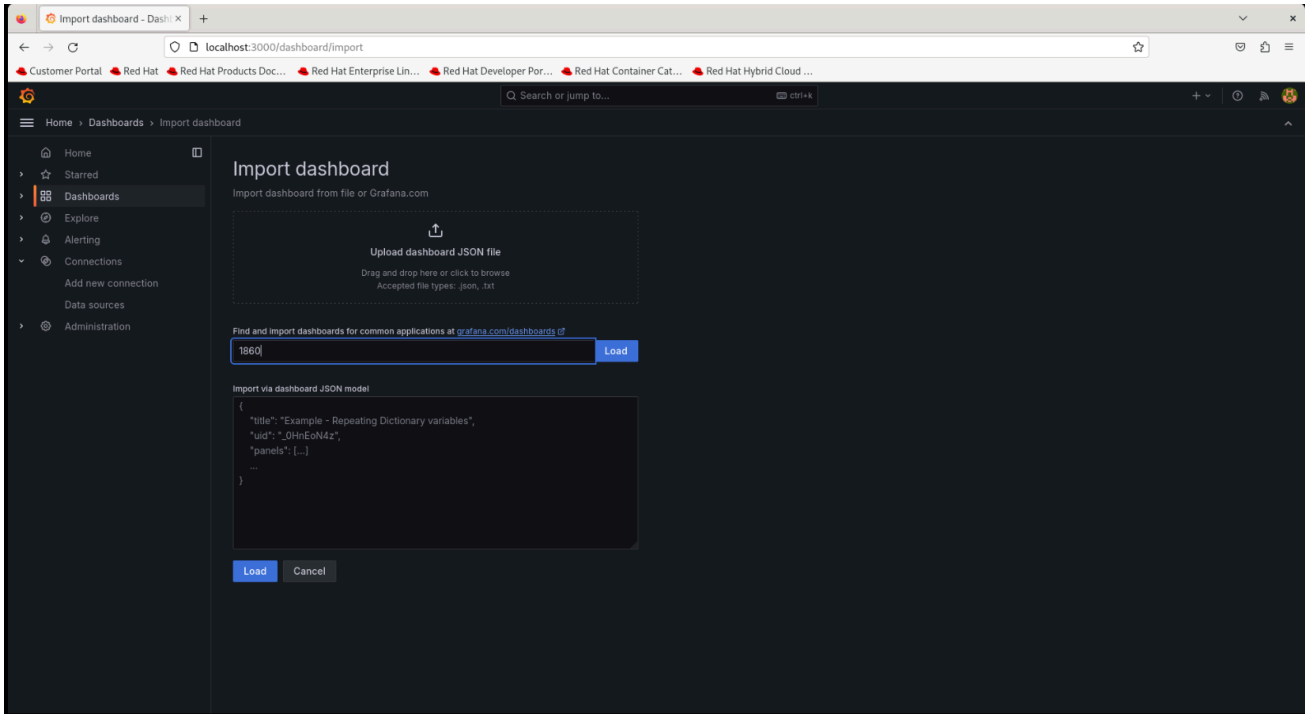




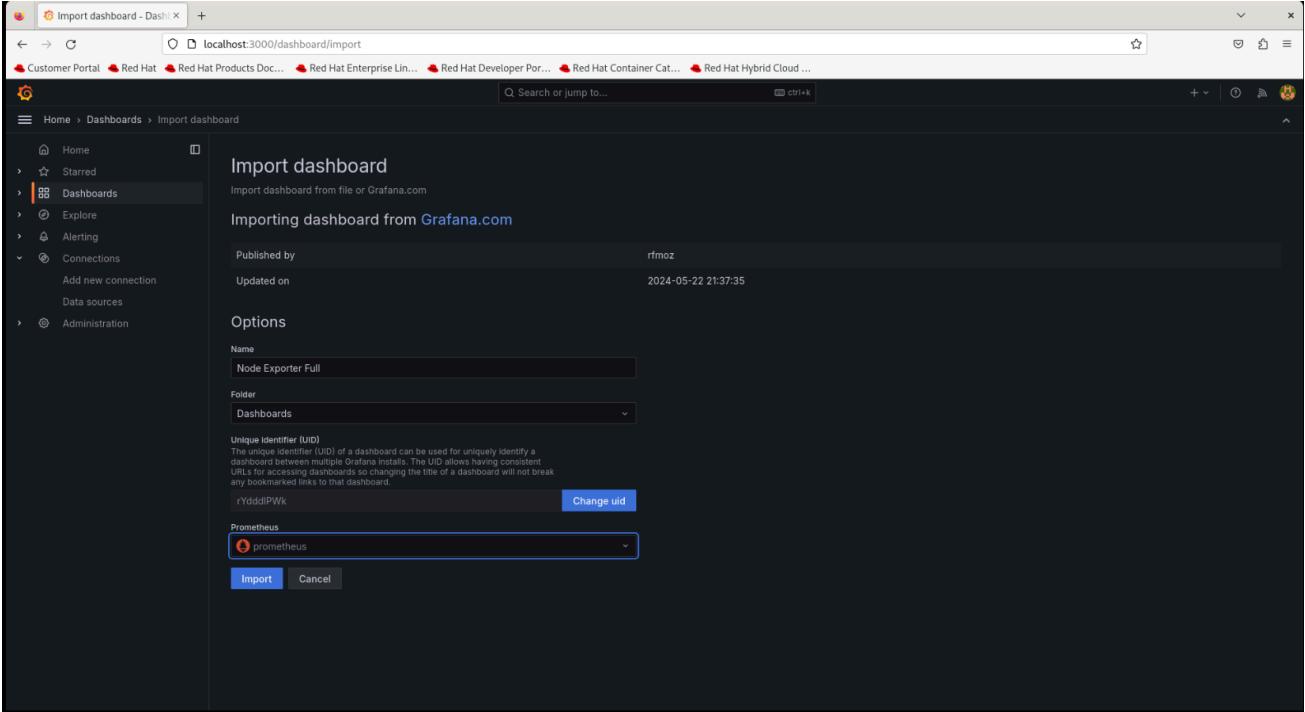
Select import



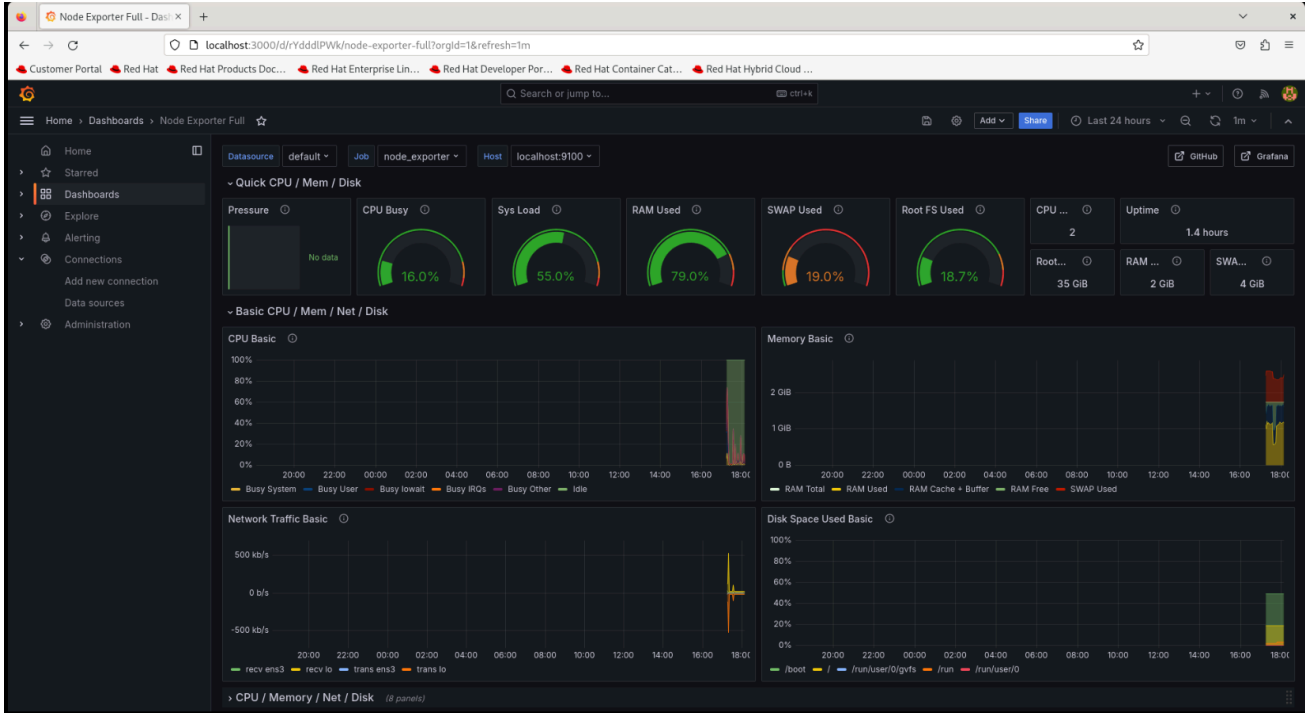
Click import and, value 1860 and then click load near the id field.



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
```

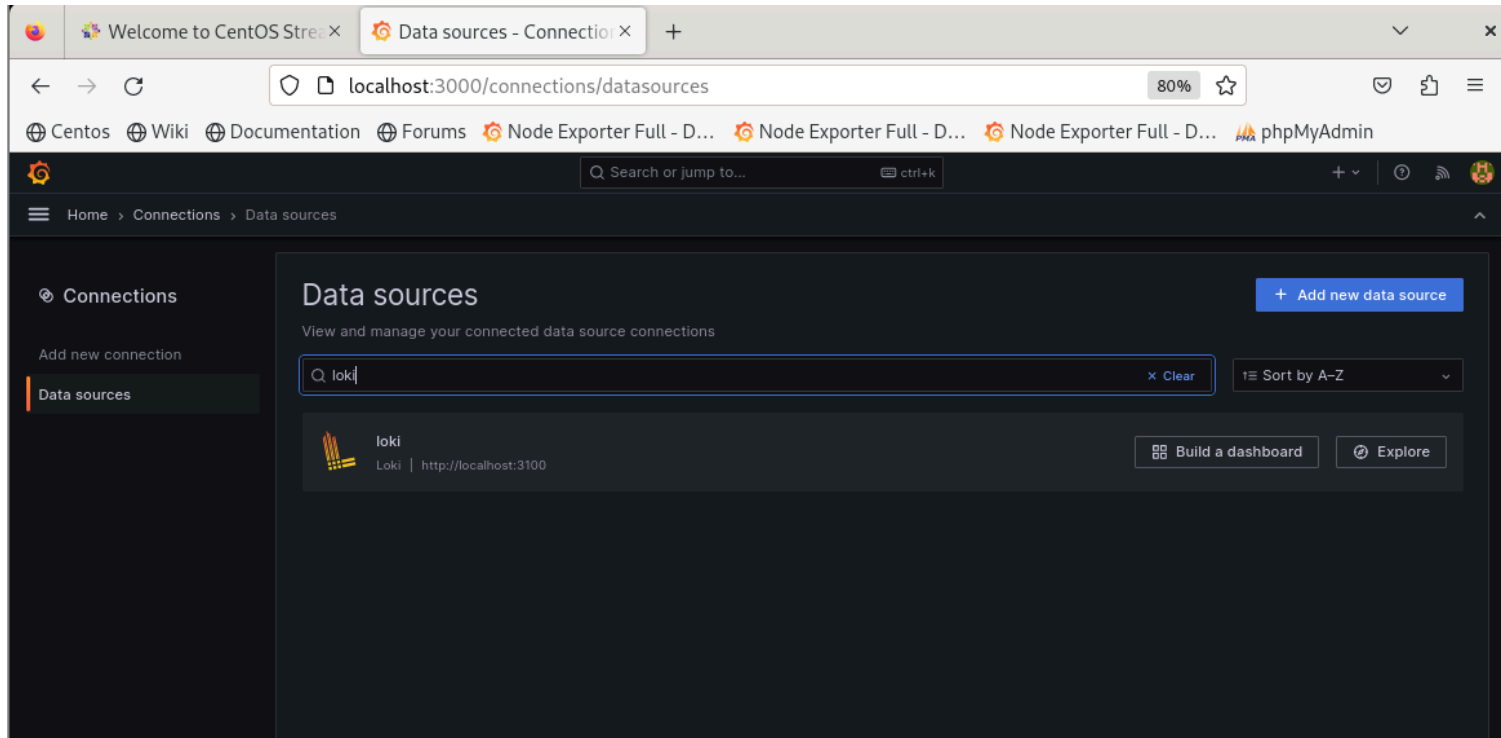
```
systemctl start promtail
systemctl enable promtail
```

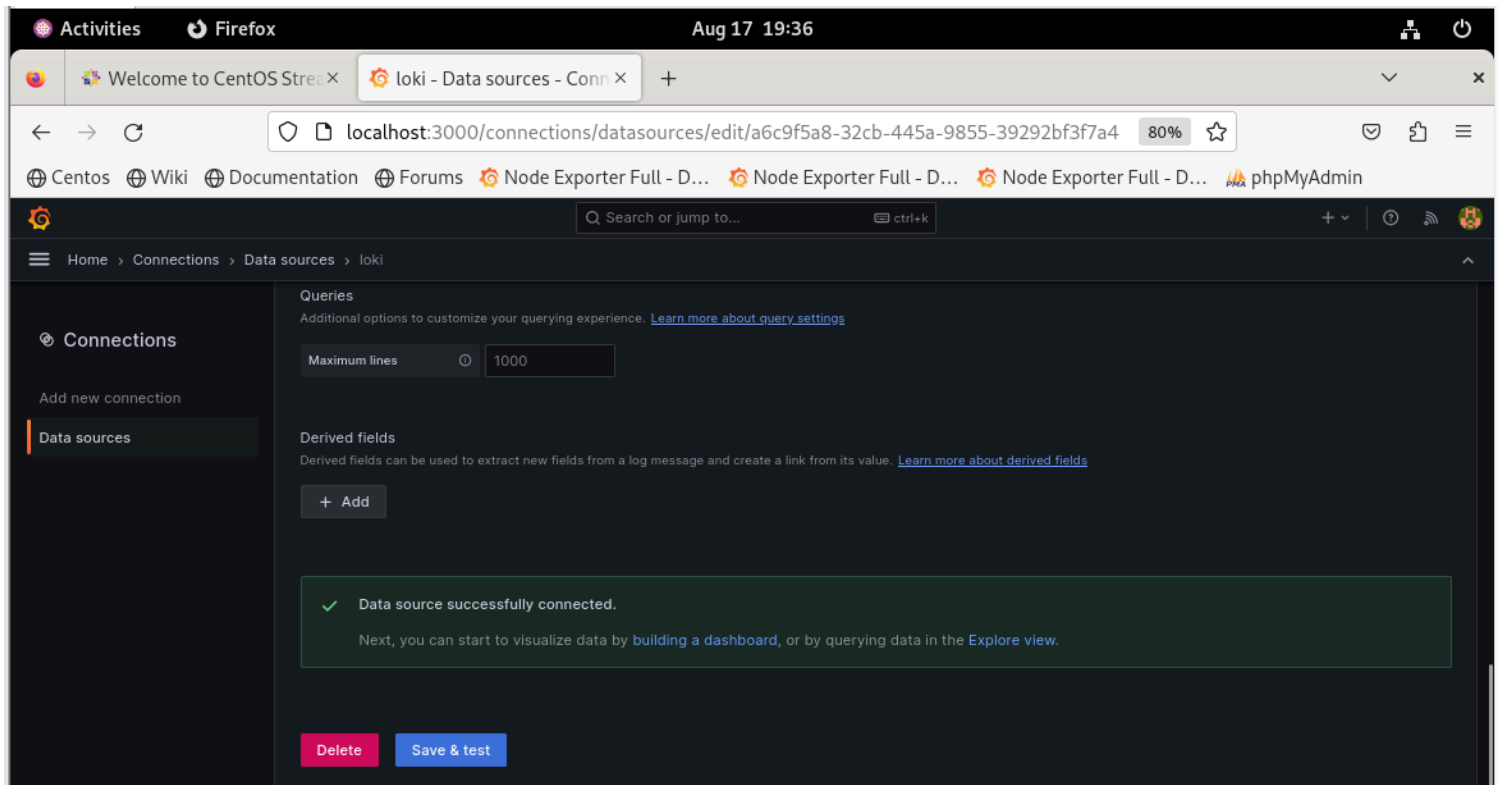
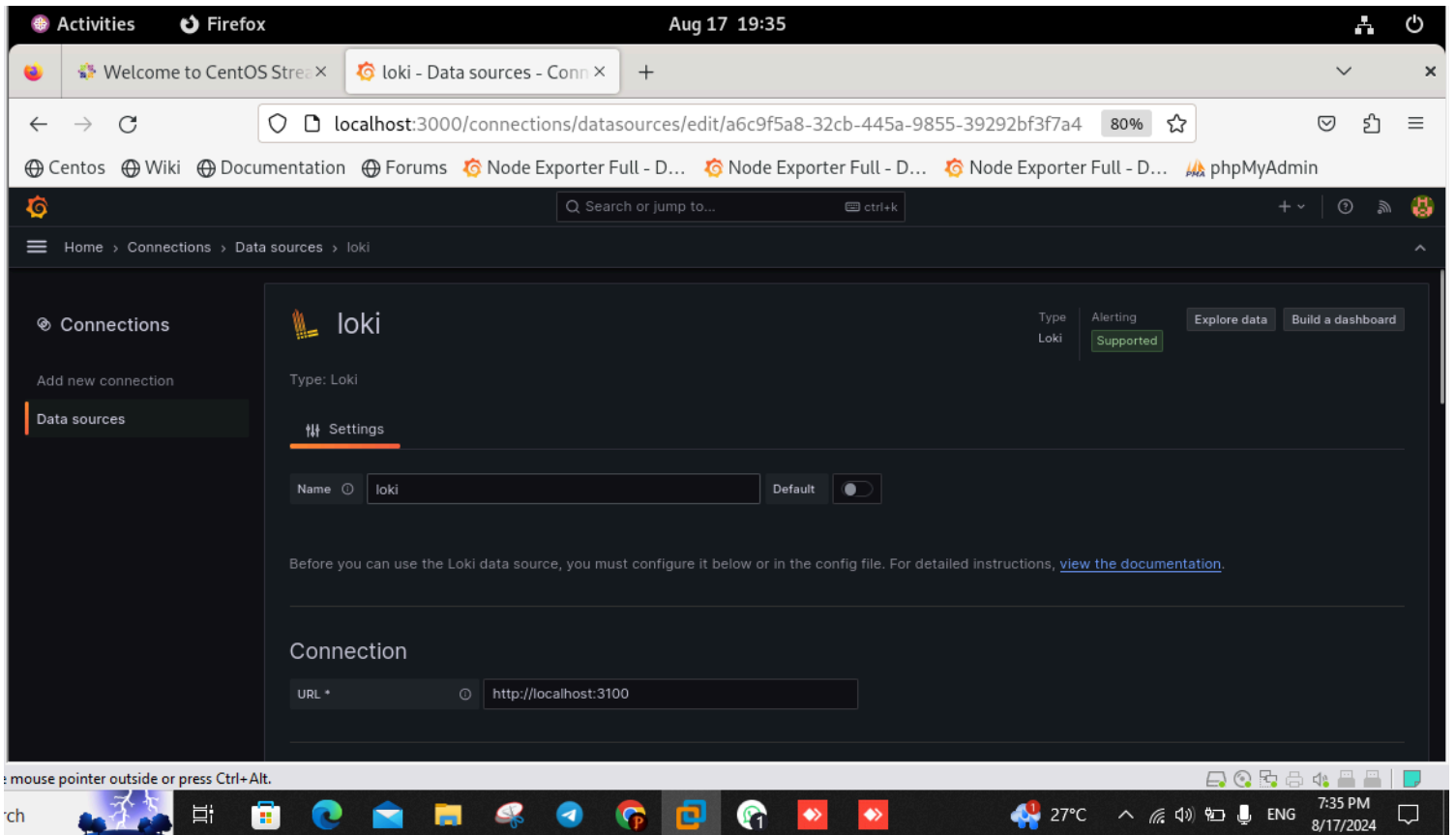
```
nano /etc/promtail/config.yml
```

```
/var/log/messages → /var/log/*
```

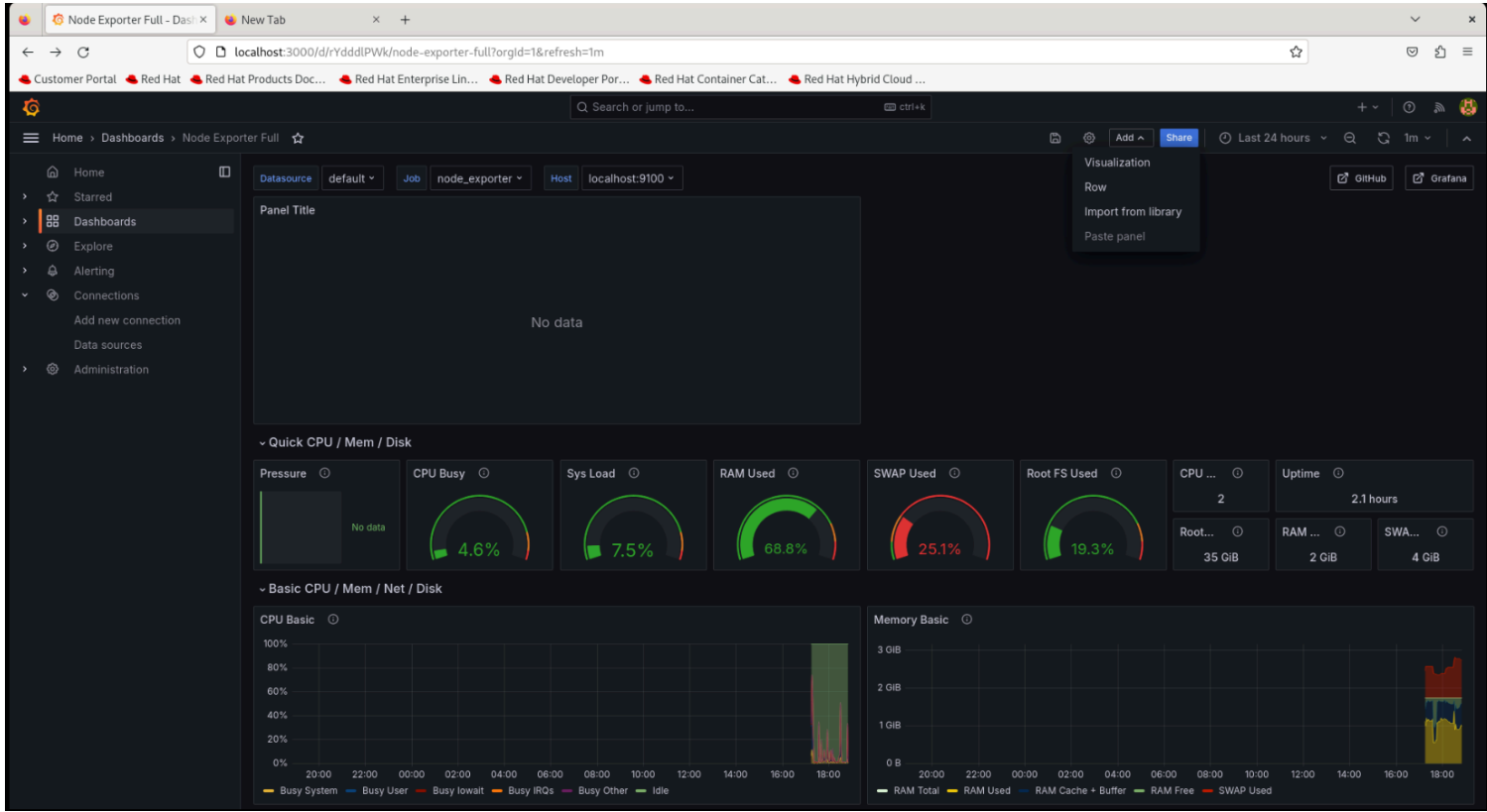
```
firewall-cmd --add-port=3100/tcp --permanent
firewall-cmd --add-port=9080/tcp --permanent
firewall-cmd --reload
```

WEB Dashboard Configuration

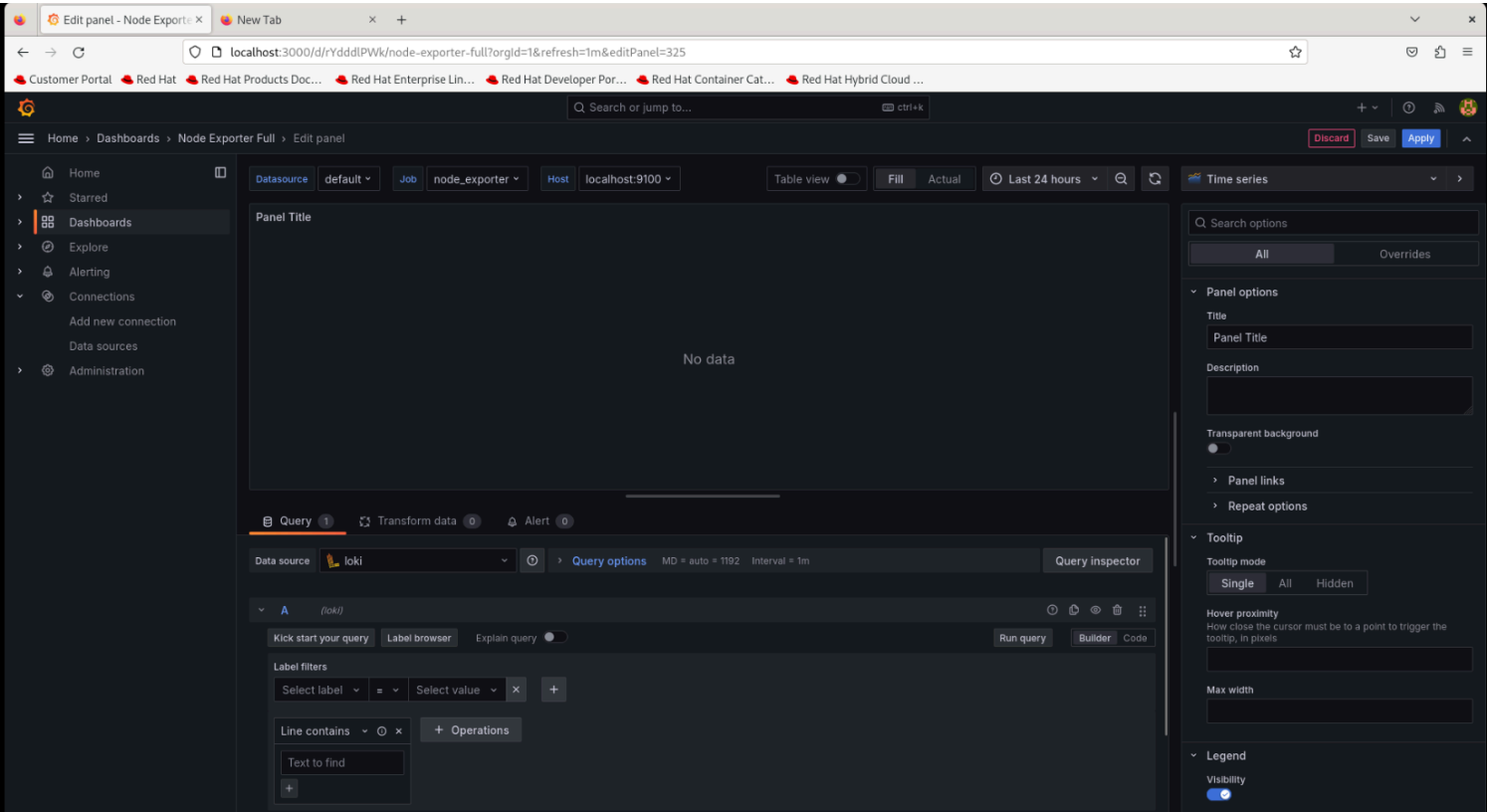




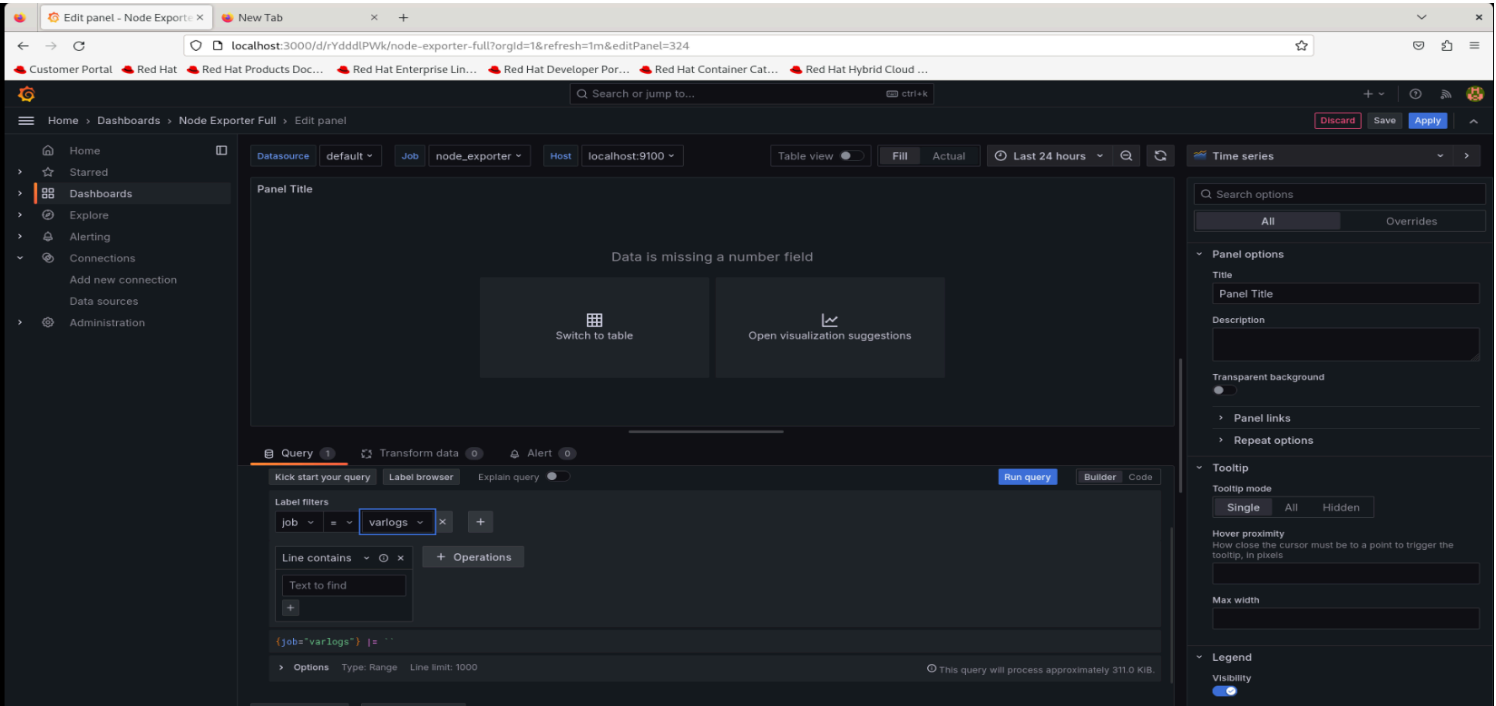
##select the visualisation option



##select loki as data source

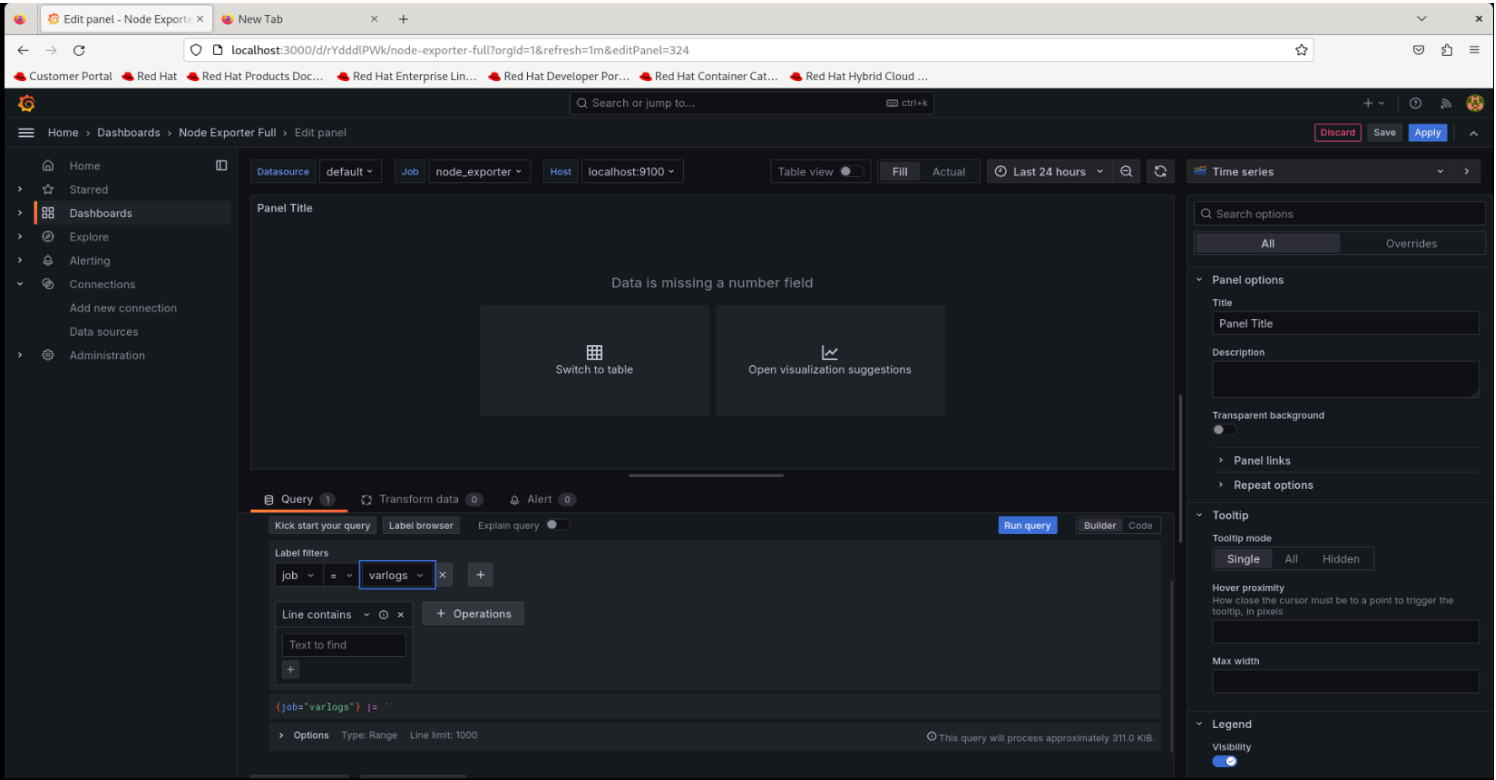


#select job and varlogs in the label and value

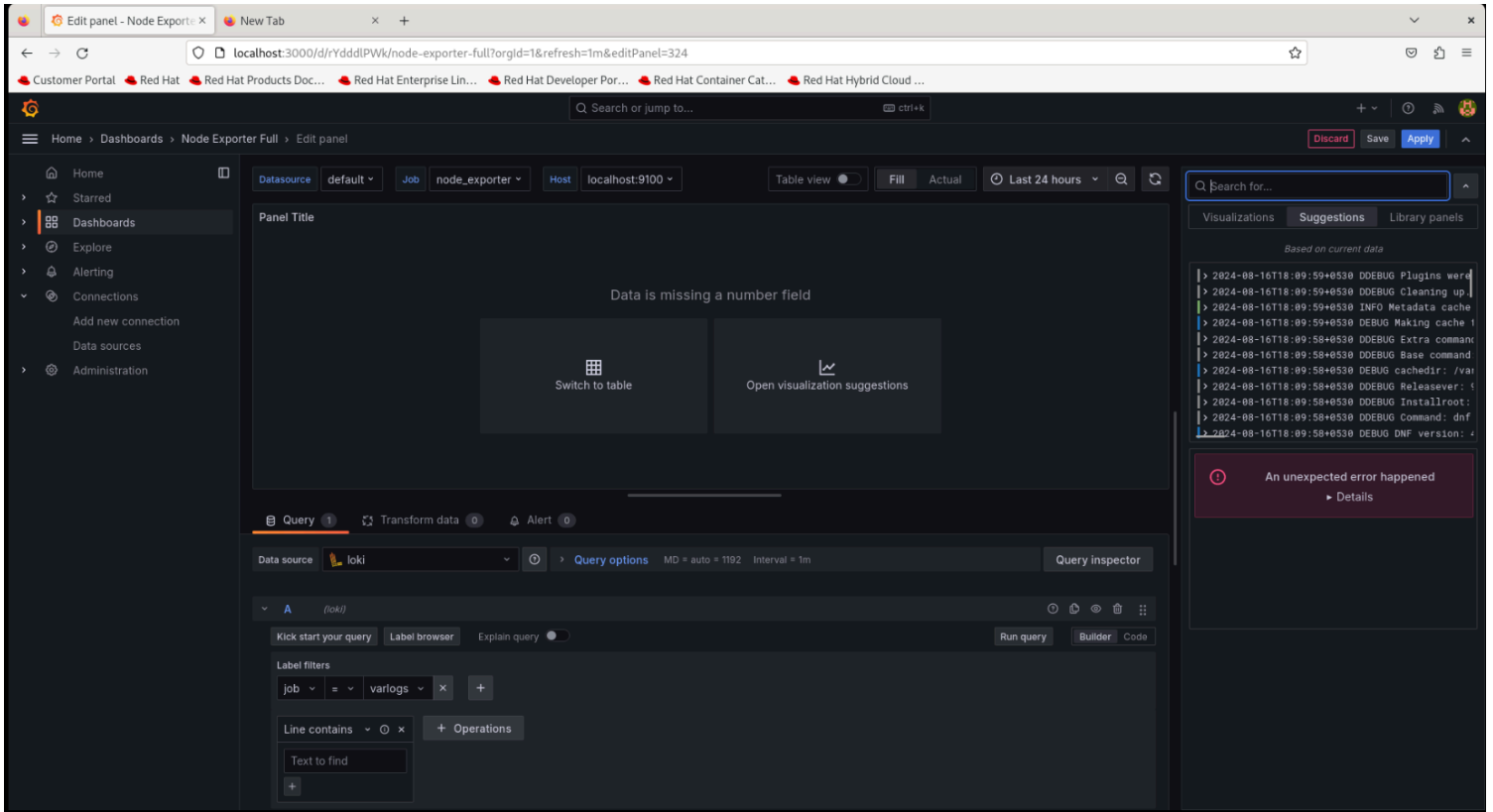




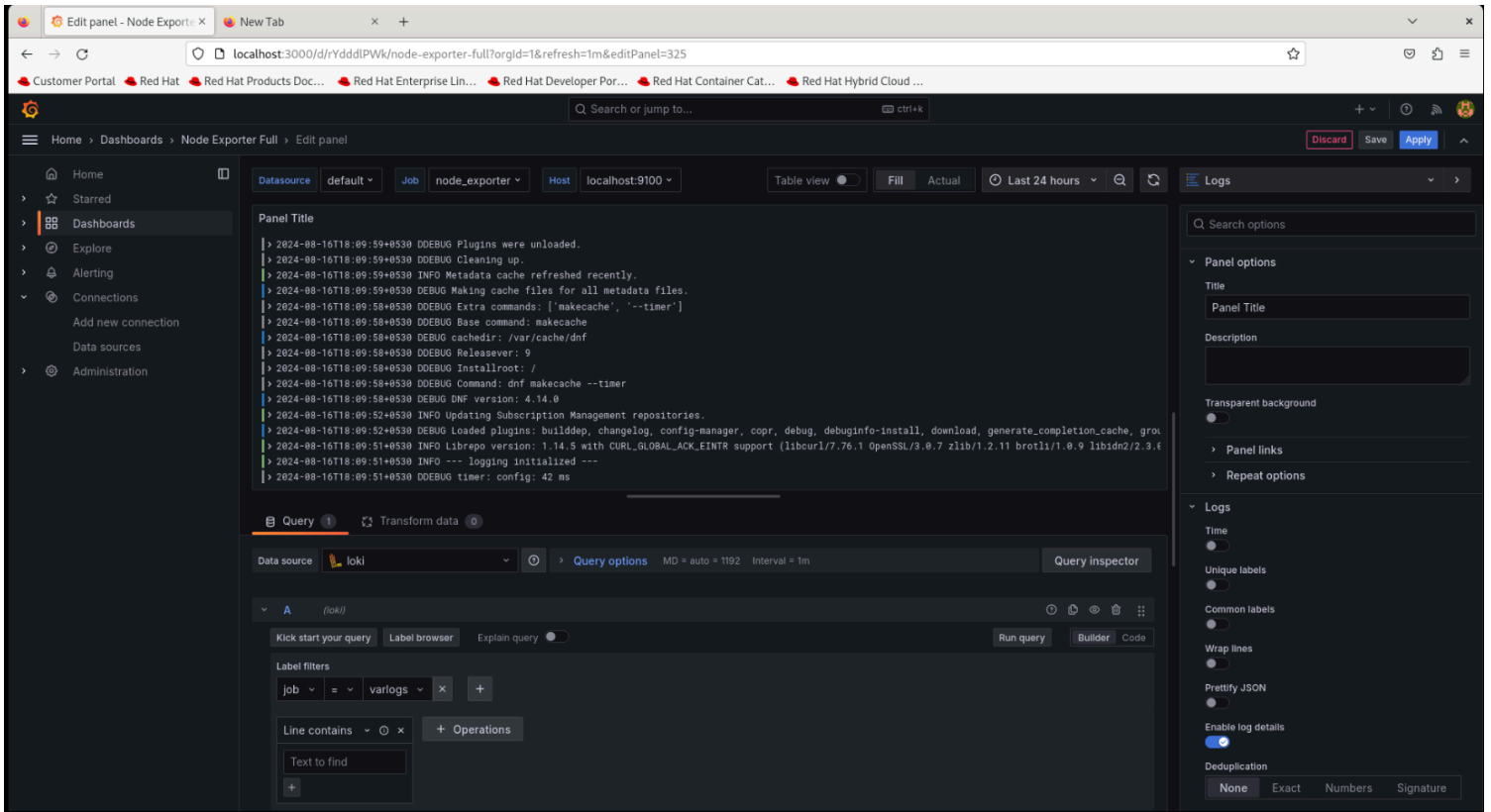
#run query

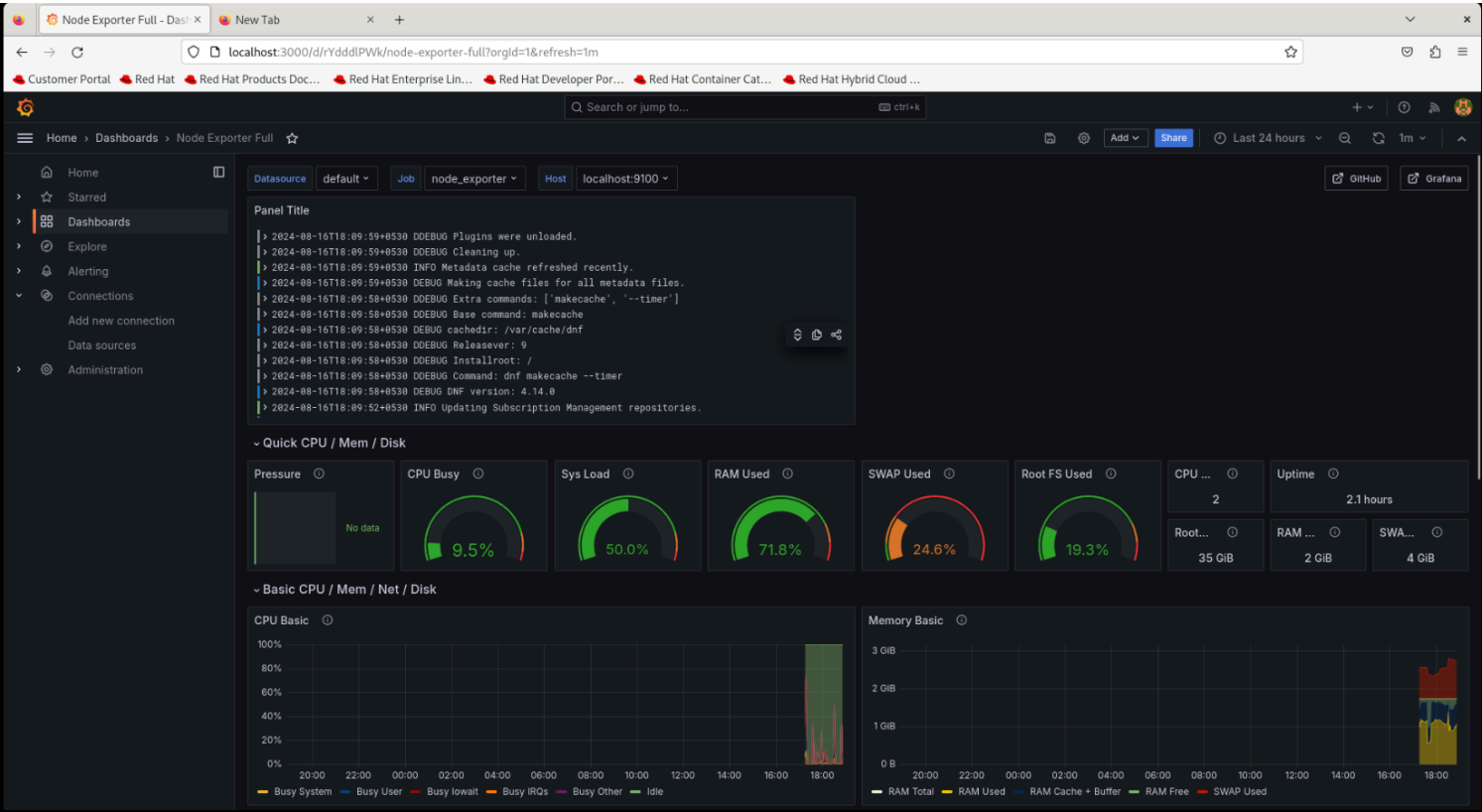


#select open visualization suggestions and select the suggestion by clicking the change in right side



#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
```