

Cài đặt hệ thống Monitoring

sử dụng Prometheus, Grafana và Exporter

Author: trantiendt9@gmail.com

Clone bài lab:

Git clone <https://github.com/trantiendt9/tranning-devops.git>

1. Cài đặt Prometheus , Grafana và Exporter

ref <https://artifacthub.io/packages/helm/prometheus-community/kube-prometheus-stack>

1. Tao new namespace

kubectl create namespace monitoring

kubectl get ns

2. Download helm chart elastic

helm repo add prometheus-community <https://prometheus-community.github.io/helm-charts>

helm repo update

helm search repo prometheus-community/kube-prometheus-stack

helm pull prometheus-community/kube-prometheus-stack --version 46.8.0

3. Giai nen chart

tar -xvzf kube-prometheus-stack-46.8.0.tgz

4. Customize chart

cp cp kube-prometheus-stack/values.yaml values-customize.yaml

5. Install or upgrade helm chart / apply helm chart to K8S cluster

#chart from internet

helm upgrade -i prometheus -n monitoring -f values-customize.yaml prometheus-community/kube-prometheus-stack

#chart from already download and extract

helm upgrade -i prometheus -n monitoring -f values-customize.yaml kube-prometheus-stack

#kiem tra ket qua:

```
helm ls -n monitoring
```

```
kubectl get all -n monitoring
```

```
kubectl get svc n monitoring
```

```
#view UI prometheus (way 2)
```

```
kubectl expose service prometheus-grafana --type=NodePort --target-port=3000 --  
name=prometheus-grafana-ext -n monitoring
```

```
kubectl get service/prometheus-grafana-ext -n monitoring
```

```
http://192.168.59.100:30978/
```

```
username: admin
```

```
password: prom-operator
```

6. Helm delete/ uninstall chart from K8s Cluster

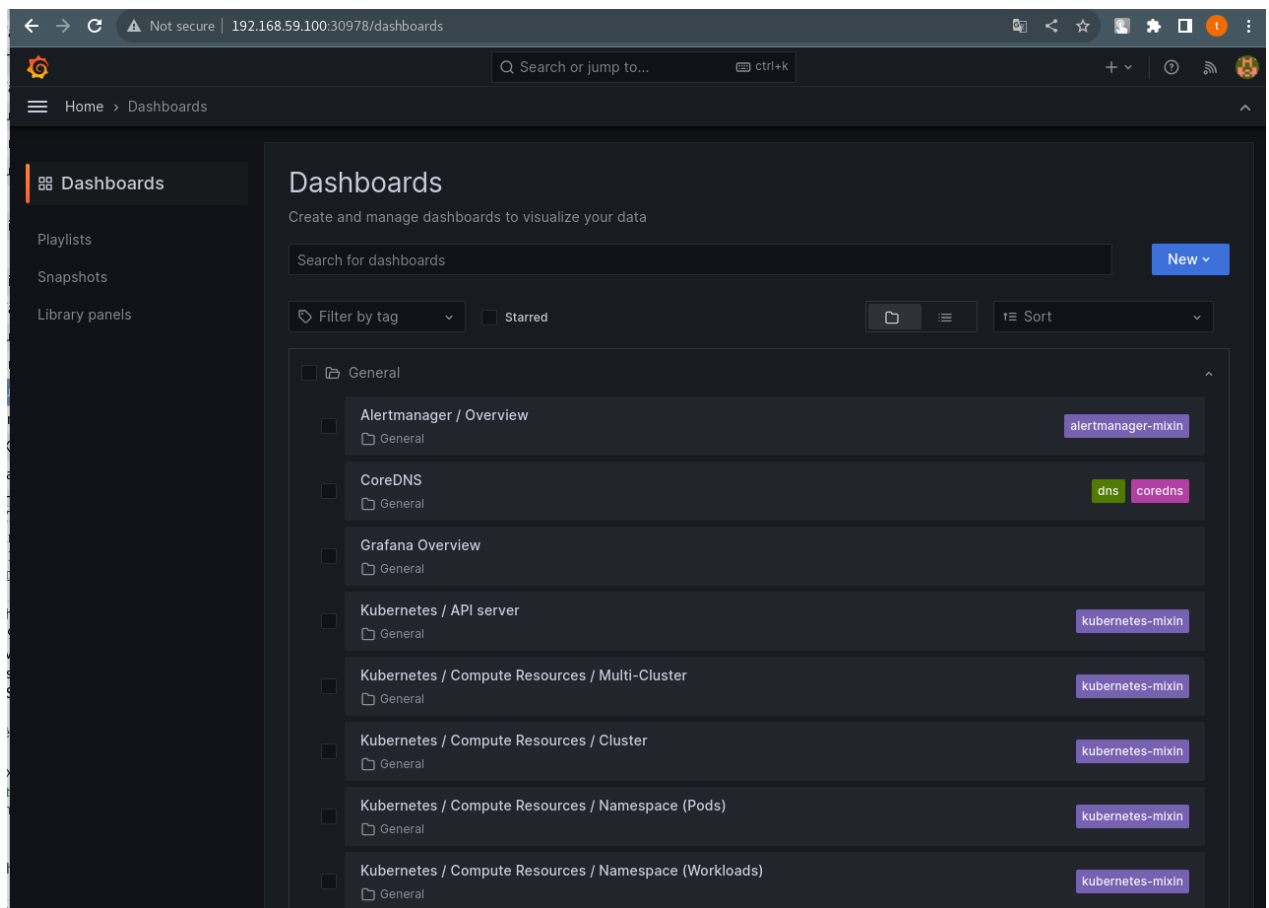
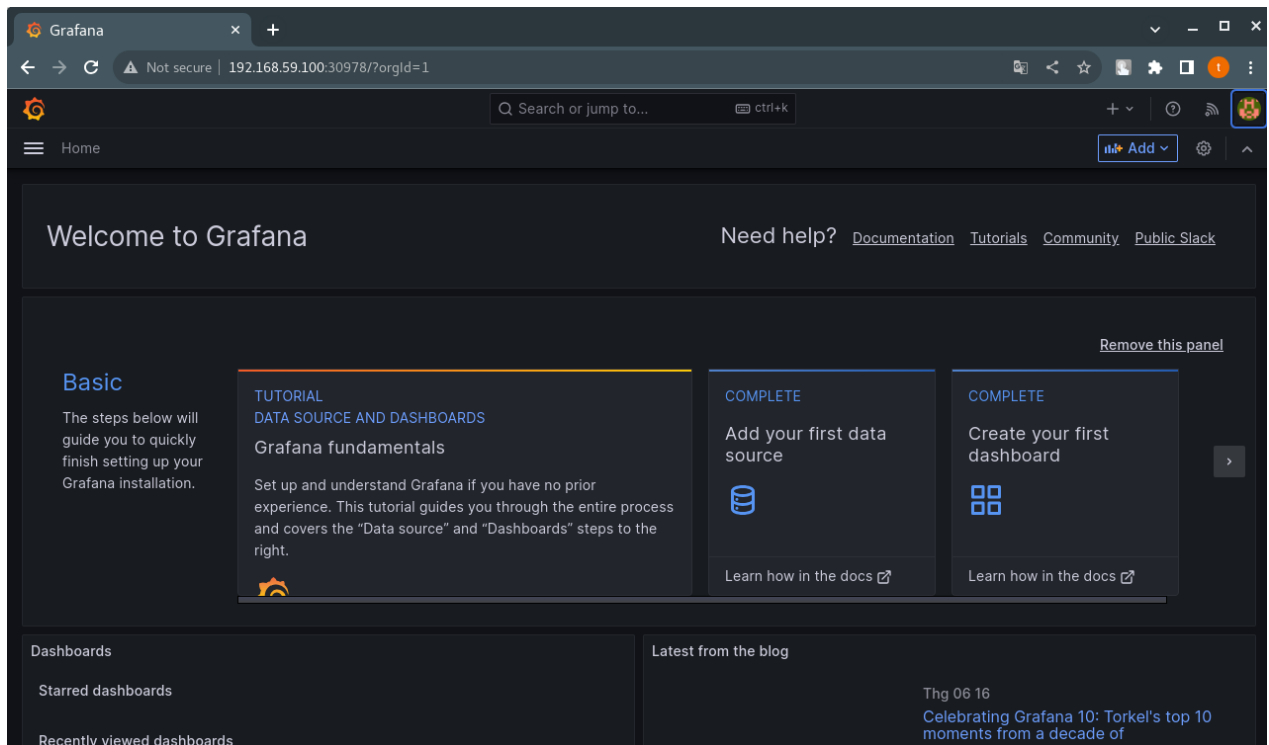
```
helm uninstall prometheus -n monitoring
```

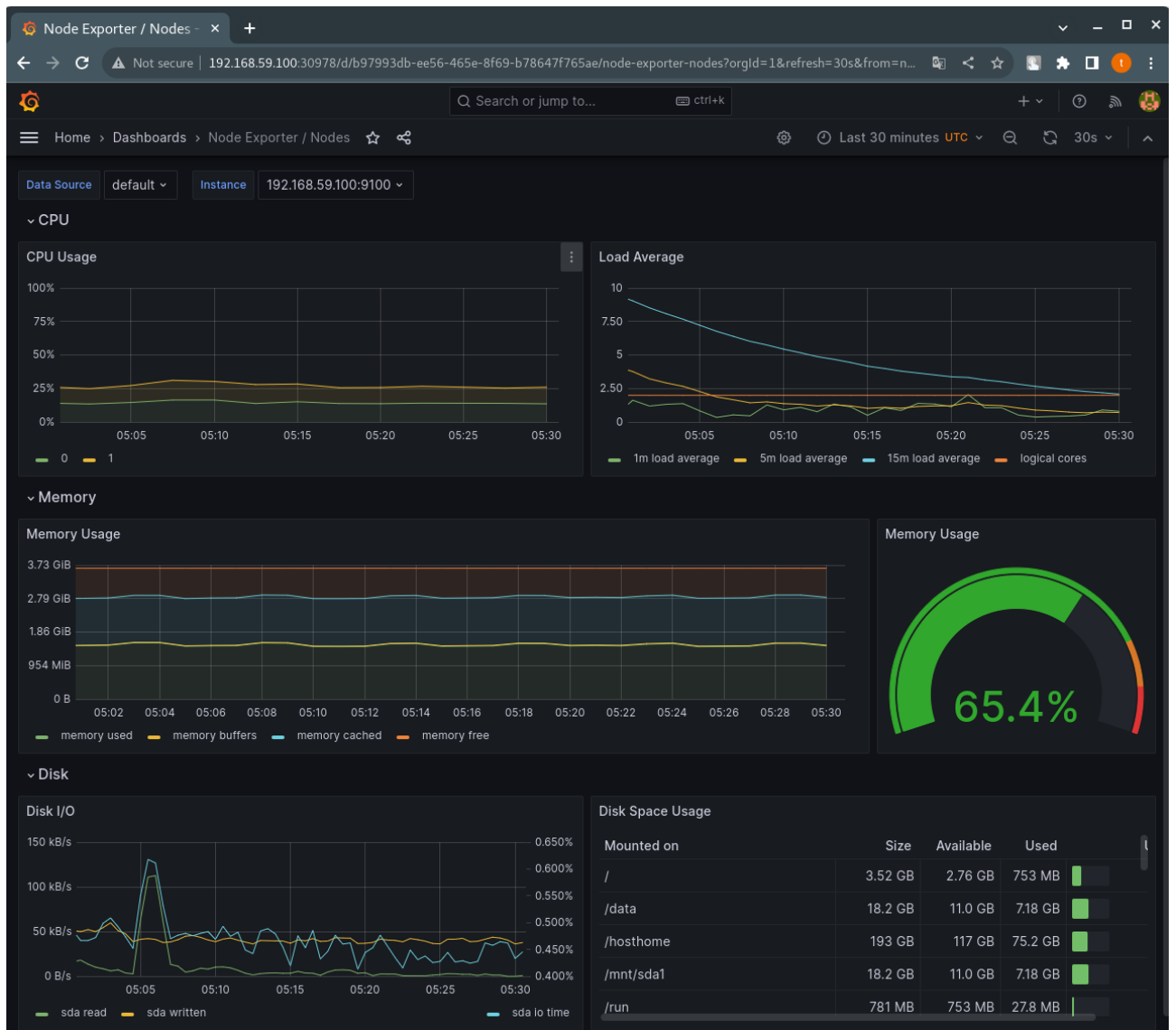
2. Sử dụng hệ thống giám sát

Mở trình duyệt web: <http://192.168.59.100:30978/>

```
username: admin
```

```
password: prom-operator
```





3. Gỡ cài đặt hệ thống monitoring

helm uninstall prometheus -n monitoring