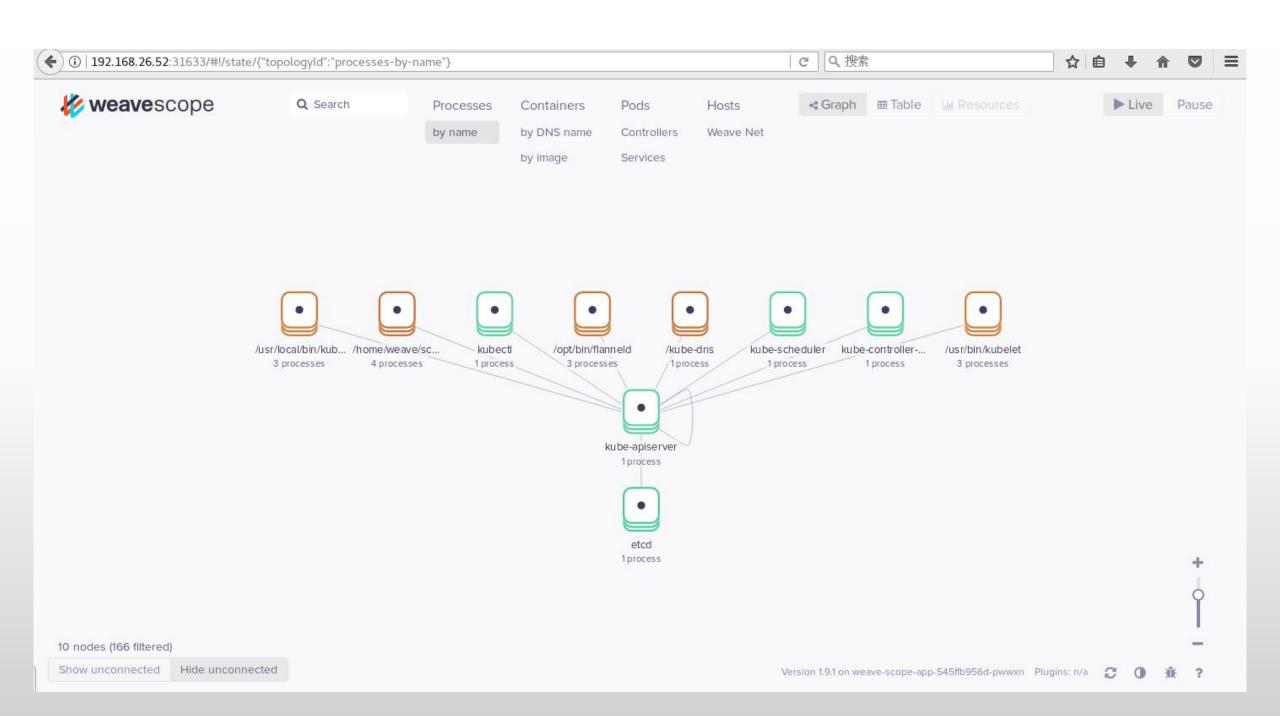
CKA-监控

讲师: 老段 RHCE/RHCA/COA/CKA

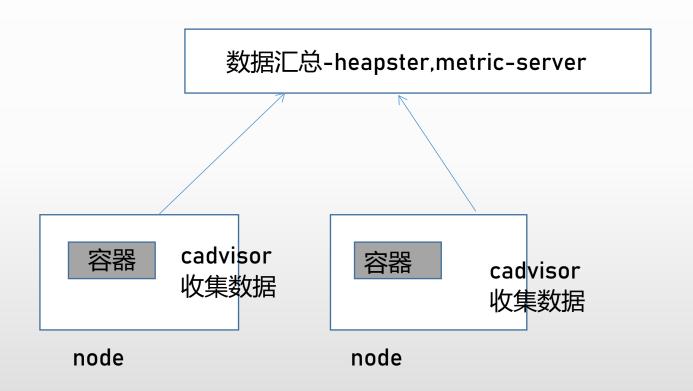
kubernetes 集群监控

- 查看版本 kubectl version curl https://cloud.weave.works/k8s/scope.yaml?k8s-version=1.11.1 -sL -o scope.yaml
- 查看yaml文件里所使用镜像的版本
- 在各个节点下载镜像 docker pull docker.io/weaveworks/scope:1.9.1 kubectl apply --namespace weave -f scope.yaml
- 修改

kubectl edit service weave-scope-app -n weave --> type: NodePort kubectl get svc weave-scope-app -n weave -o wide

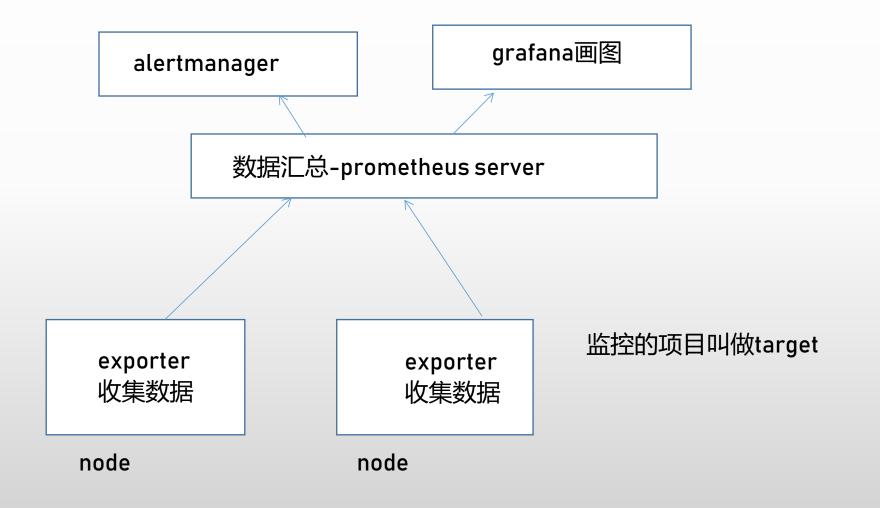


监控框架

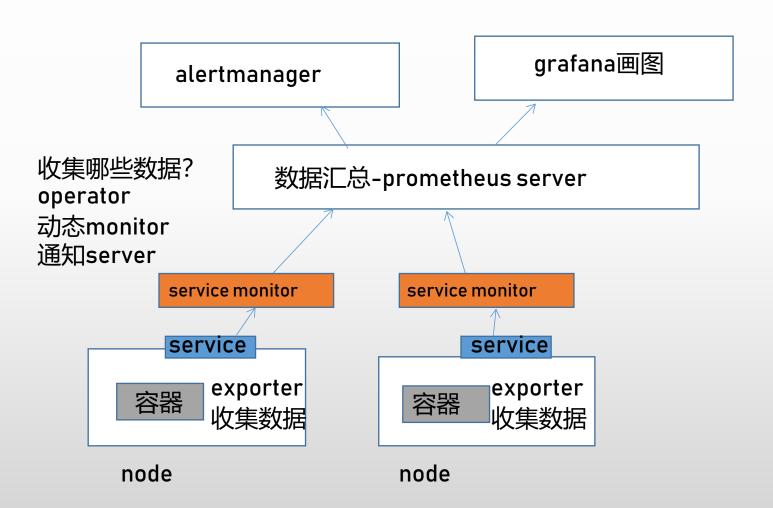




prometheus框架



prometheus operator框架



prometheus operator 由coreOS基于 prometheus开发专用于 kubernetes监控

监测每个附件,都要为此 监控创建一个service

部署prometheus

git clone https://github.com/coreos/prometheus-operator.git

kubectl create ns monitoring

```
准备镜像
docker pull quay.io/coreos/prometheus-config-reloader:v0.20.0
docker pull quay.io/coreos/hyperkube:v1.7.6_coreos.0
docker pull quay.io/coreos/configmap-reload:v0.0.1
docker pull quay.io/coreos/prometheus-operator:v0.20.0
docker pull quay.io/prometheus/prometheus:v2.2.1
docker pull quay.io/prometheus/alertmanager:v0.15.1
docker pull quay.io/coreos/grafana-watcher:v0.0.8
docker tag docker.io/grafana/grafana:5.0.0 grafana/grafana:5.0.0
docker pull registry.cn-hangzhou.aliyuncs.com/google_containers/kube-state-metrics:v1.2.0
docker tag registry.cn-hangzhou.aliyuncs.com/google_containers/kube-state-metrics:v1.2.0
gcr.io/google_containers/kube-state-metrics:v1.2.0
docker pull quay.io/prometheus/node-exporter:v0.15.2
```

部署prometheus

docker pull registry.cn-hangzhou.aliyuncs.com/google_containers/addon-resizer:1.7 docker tag registry.cn-hangzhou.aliyuncs.com/google_containers/addon-resizer:1.7 gcr.io/google_containers/addon-resizer:1.7

部署prometheus

以下所有操作均在monitoring命名空间里做

helm install --name prometheus-operator prometheus-operator/

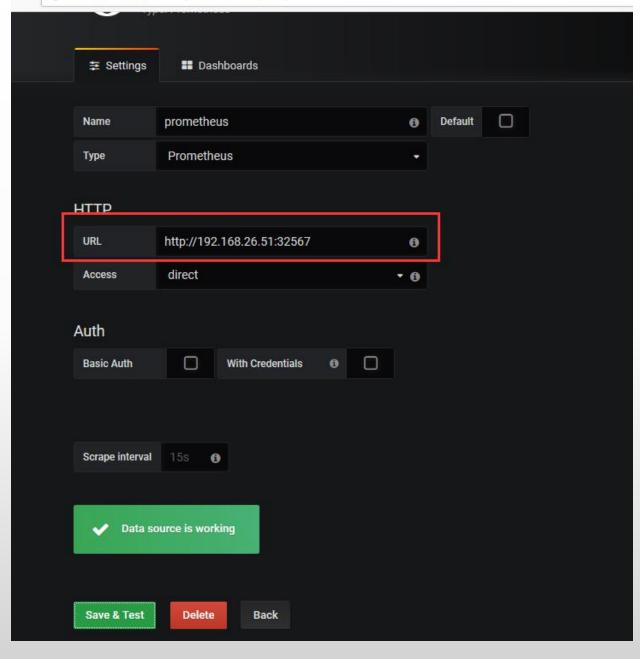
mkdir -p kube-prometheus/charts helm/alertmanager helm/grafana helm/prometheus helm/exporter-kube-dns helm/exporter-kube-scheduler helm/exporter-kubelets helm/exporter-node helm/exporter-kube-controller-manager helm/exporter-kube-etcd helm/exporter-kube-state helm/exporter-coredns helm/exporter-kubernetes

helm install helm/kube-prometheus --name kube-prometheus

helm install --name alertmanager alertmanager/ helm install --name grafana grafana/

把svc--alertmanager grafana-grafana kube-prometheus类型设置为NodePort访问服务prometheus

① 192.168.26.51:30995/datasources/edit/1



模板的使用 https://grafana.com/dashboards/315

