官网 <https://github.com/kubernetes-sigs/metrics-server>​

修改下镜像地址，默认的k8s.grc.io 国内拉取不到，换成阿里云 registry.cn-hangzhou.aliyuncs.com/google\_containers/metrics-server-amd64:v0.3.6

[root@master ~]# wget https://github.com/kubernetes-sigs/metrics-server/releases/download/v0.3.6/components.yaml

2

[root@master ~]# vim components.yaml

3

# 修改image

4

# registry.cn-hangzhou.aliyuncs.com/google\_containers/metrics-server-amd64:v0.3.6

5

[root@master ~]# kubectl apply -f components.yaml

使用kubectl top 查看pod 和node 的资源使用情况，获取不到数据

[root@master ~]# kubectl top node

2

error: metrics not available yet

3

[root@master ~]# kubectl top pod

4

W0414 13:34:35.193688 13720 top\_pod.go:266] Metrics not available for pod default/centos-758b7556f5-542wl, age: 299h19m20.193680607s

5

error: Metrics not available for pod default/centos-758b7556f5-542wl, age: 299h19m20.193680607s

查看metrics-server pod 日志

[root@master ~]# kubectl -n kube-system logs metrics-server-58c885686f-nlp25

2

...

3

E0414 05:34:32.752194 1 reststorage.go:135] unable to fetch node metrics for node "node1": no metrics known for node

4

E0414 05:34:32.752208 1 reststorage.go:135] unable to fetch node metrics for node "master": no metrics known for node

5

E0414 05:34:35.186237 1 reststorage.go:160] unable to fetch pod metrics for pod default/tomtest-86f7667d85-hxnzl: no metrics known for pod

6

E0414 05:34:35.186247 1 reststorage.go:160] unable to fetch pod metrics for pod default/centos-758b7556f5-542wl: no metrics known for pod

提示 无法解析节点的主机名，是metrics-server 这个容器不能通过CoreDNS 解析各Node的主机名，metrics-server 连节点时默认是连接节点的主机名，需要加个参数，让它连接节点的IP，而不是使用主机名：

* --kubelet-insecure-tls
* --kubelet-preferred-address-types=InternalIP

修改yaml 文件，增加这两行

image: k8s.gcr.io/metrics-server-amd64:v0.3.6

2

imagePullPolicy: IfNotPresent

3

args:

4

- --cert-dir=/tmp

5

- --secure-port=4443

6

- --kubelet-insecure-tls

7

- --kubelet-preferred-address-types=InternalIP

导入文件，过一会就正常了

[root@master ~]# kubectl apply -f components.yaml

2

​

3

[root@master ~]# kubectl top node

4

NAME CPU(cores) CPU% MEMORY(bytes) MEMORY%

5

master 101m 5% 971Mi 17%

6

node1 72m 1% 914Mi 3%

7

[root@master ~]# kubectl top pod --all-namespaces

8

NAMESPACE NAME CPU(cores) MEMORY(bytes)

9

ingress-nginx nginx-ingress-controller-c8848f54b-z2fwd 4m 181Mi

10

kube-system calico-kube-controllers-77c4b7448-n92dt 1m 14Mi

11

kube-system calico-node-nqltv 12m 53Mi

12

kube-system calico-node-rf9gh 10m 49Mi

13

kube-system coredns-6955765f44-579bp 2m 13Mi

14

kube-system coredns-6955765f44-7h4vh 1m 13Mi

15

kube-system etcd-master 12m 108Mi

16

kube-system kube-apiserver-master 19m 336Mi

17

kube-system kube-controller-manager-master 5m 42Mi

18

kube-system kube-proxy-24k9w 1m 22Mi

19

kube-system kube-proxy-w48qf 1m 17Mi

20

kube-system kube-scheduler-master 2m 18Mi

21

kube-system metrics-server-6ffdb54684-lg77c 1m 14Mi