

使用Helm部署metrics-server

从 Heapster 的github <<https://github.com/kubernetes/heapster>>中可以看到已经, heapster 已经DEPRECATED。这里是 [heapster的deprecation timeline](#)。可以看出 heapster 从 Kubernetes 1.12 开始将从 Kubernetes 各种安装脚本中移除。Kubernetes 推荐使用 [metrics-server](#)。我们这里也使用helm来部署metrics-server。

metrics-server.yaml:

```
args:
- --logtostderr
- --kubelet-insecure-tls
- --kubelet-preferred-address-types=InternalIP
```

```
helm install stable/metrics-server \
-n metrics-server \
--namespace kube-system \
-f metrics-server.yaml
```

使用下面的命令可以获取到关于集群节点基本的指标信息:

```
kubectl top node
NAME      CPU(cores)   CPU%   MEMORY(bytes)  MEMORY%
node1     650m         32%    1276Mi         73%
node2     73m          3%     527Mi          30%
```

```
kubectl top pod --all-namespaces
NAMESPACE      NAME                                                    CPU(cores)   MEMORY(bytes)
ingress-nginx  nginx-ingress-controller-6f5687c58d-jdxzk            3m           142Mi
ingress-nginx  nginx-ingress-controller-6f5687c58d-lxj5q            5m           146Mi
ingress-nginx  nginx-ingress-default-backend-6dc6c46dcc-1f882       1m           4Mi
kube-system    coredns-86c58d9df4-k5jkh                             2m           15Mi
kube-system    coredns-86c58d9df4-rw6tt                             3m           23Mi
kube-system    etcd-node1                                             20m          86Mi
kube-system    kube-apiserver-node1                                  33m          468Mi
kube-system    kube-controller-manager-node1                       29m          89Mi
kube-system    kube-flannel-ds-amd64-8nr5j                          2m           13Mi
kube-system    kube-flannel-ds-amd64-bmncz                         2m           21Mi
kube-system    kube-proxy-d5gxv                                      2m           18Mi
kube-system    kube-proxy-zm29n                                     2m           16Mi
kube-system    kube-scheduler-node1                                 8m           28Mi
kube-system    kubernetes-dashboard-788c98d699-qd2cx                2m           16Mi
kube-system    metrics-server-68785fbc4-k4g9v                      3m           12Mi
kube-system    tiller-deploy-c4fd4cd68-dwkhv                       1m           24Mi
```

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