

CKA-其他一些控制器

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daemonset介绍

应用场景

- 1.运行集群存储 daemon, 例如在每个 Node 上运行 glusterd、ceph
- 2.在每个 Node 上运行日志收集 daemon, 例如fluentd、logstash
- 3.在每个 Node 上运行监控 daemon, 例如 Prometheus Node Exporter、collectd、Datadog 代理、New Relic 代理, 或 Ganglia gmond

daemonset

apiVersion: extensions/v1beta1

kind: DaemonSet

metadata:

 name: busybox

spec:

 template:

 metadata:

 labels:

 app: busybox

 spec:

 containers:

 - name: busybox

 image: busybox

 command:

 - sleep

 - "36000"

控制pod所在位置

apiVersion: extensions/v1beta1

kind: DaemonSet

metadata:

name: daemonset1

spec:

template:

metadata:

labels:

app: busybox

spec:

nodeSelector:

disktype: ssd

containers:

- name: busybox

image: busybox

command:

- sleep

- "36000"

kubectl label node vms51.rhce.cc disktype=ssd

监控实例

apiVersion: extensions/v1beta1

kind: DaemonSet

metadata:

name: cadvisor

spec:

template:

metadata:

labels:

app: cadvisor

spec:

volumes:

- name: varrun

hostPath:

path: /var/run

- name: sys

hostPath:

path: /sys

- name: varlib

hostPath:

path: /var/lib

containers:

- name: cadvisor

image: hub.c.163.com/xbingo/cadvisor:latest

volumeMounts:

- mountPath: /var/run

name: varrun

- mountPath: /sys

name: sys

- mountPath: /var/lib

name: varlib

cadvisor

apiVersion: v1

kind: Service

metadata:

labels:

name: monitor

name: cadvisor

spec:

ports:

- port: 8080

targetPort: 8080

selector:

app: cadvisor

type: NodePort

gluster例子

apiVersion: extensions/v1beta1

kind: DaemonSet

metadata:

name: glusterfs

spec:

template:

metadata:

labels:

app: gluster

spec:

containers:

- name: gluster

image: registry.cn-hangzhou.aliyuncs.com/greghe/gluster-centos:3.12

gluster peer probe 100.76.102.217

gluster peer detach 100.76.102.217

ReplicationController (RC)

```
apiVersion: v1
kind: ReplicationController
metadata:
  name: nginx
spec:
  replicas: 3
  selector:
    app: nginx
  template:
    metadata:
      name: nginx
    labels:
      app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx
          ports:
            - containerPort: 80
```


ReplicaSet (rs)

apiVersion: apps/v1

kind: ReplicaSet

metadata:

name: rs

labels:

app: guestbook

spec:

replicas: 3

selector:

matchLabels:

tier: frontend

template:

metadata:

labels:

app: guestbook

tier: frontend

spec:

containers:

- name: nginx

image: nginx

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apiVersion: extensions/v1beta1
kind: Deployment



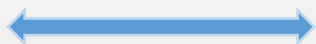
selector:
matchLabels:
run: nginx

apiVersion: v1
kind: ReplicationController



selector:
app: nginx

apiVersion: apps/v1
kind: ReplicaSet



selector:
matchLabels:
tier: frontend

kubectl scale deployment nginx --replicas=20
kubectl scale rs rs1 --replicas=4
kubectl scale dc nginx --replicas=20

