

CKA-job

讲师：老段 RHCE/RHCA/COA/CKA

kubernetes应用-job

apiVersion: batch/v1

kind: Job

metadata:

name: job1

spec:

backoffLimit: 6

completions: 1

parallelism: 1

template:

metadata:

name: pi

spec:

containers:

- name: hello

image: busybox

command: ["echo","hello world!"]

restartPolicy: Never

job的restart策略只能是:

Never 只要任务没有完成, 则是新创建pod运行, 直到job完成
会产生多个pod

OnFailure 只要pod没有完成, 则会重启pod, 直到job完成

parallelism: 1 一次性运行pod的个数

completions: 1 有一个pod运行成功

backoffLimit: 6 失败pod的极限

在**job**失败的情况下

job必须要完成一次

如果restart策略设置为Nerver

则不断生成新的pod来执行job的工作，不会重启

如果restart策略设置为OnFailure

则会不断重启pod，直到完成一次。

练习:计算圆周率**2000**位

```
kubectl run pi --image=perl --restart=OnFailure -- perl -Mbignum=bpi -wle 'print bpi(2000)'
```

```
apiVersion: batch/v1
```

```
kind: Job
```

```
metadata:
```

```
  name: pi
```

```
spec:
```

```
  template:
```

```
    spec:
```

```
      containers:
```

```
        - name: pi
```

```
          image: perl
```

```
          command: ["perl", "-Mbignum=bpi", "-wle", "print bpi(2000)"]
```

```
      restartPolicy: Never
```

kubernetes应用-cronjob

启用cronjob

vim /etc/kubernetes/manifests/kube-apiserver.yaml

添加

- --runtime-config=batch/v2alpha1=true

```
spec:
  containers:
  - command:
    - kube-apiserver
    - --runtime-config=batch/v2alpha1=true
    - --tls-cert-file=/etc/kubernetes/pki/apiserver.crt
```

重启服务

systemctl restart kubelet.service

验证

kubectl api-versions

apiVersion: batch/v2alpha1

kind: CronJob

metadata:

name: job2

spec:

schedule: "*/1 * * * *

jobTemplate:

spec:

template:

spec:

containers:

- name: hello

image: busybox

command: ["echo","hello world!"]

restartPolicy: OnFailure

