

# [14] init Pod

## init

docs  init container 

 

## init

                .

 init    main             .

  AWS  user data 

# Tip!

   CKA  CKAD             

## Additional init container

- Add an init container to web-pod(which has been defined in spec file /data/cka/webpod.yaml)
- The init container should create an empty file named /workdir/data.txt
- If /workdir/data.txt is not detected, the Pod should exit.
- Once the spec file has been updated with the init container definition, the Pod should be created.

 

```

[user@console ~]$ vi /data/cka/webpod.yaml

apiVersion: v1
kind: Pod
metadata:
  name: web-pod
spec:
  containers:
  - image: busybox:1.28
    name: main
    command: ['sh', '-c', 'if [ !-f /workdir/data.txt ];then exit 1;else sleep 300;fi']
    volumeMounts:
    - name: workdir
      mountPath: "/workdir"
      #readOnly, readOnly
    initContainers:
    - name: init
      image: busybox:1.28
      command: ['sh', '-c', "touch /workdir/data.txt"]
      volumeMounts:
      - name: workdir
        mountPath: "/workdir"
        #readOnly, readOnly
    volumes:
    - name: workdir
      emptyDir: {}

:wq

[user@console ~]$ kubectl apply -f /data/cka/webpod.yaml

[user@console ~]$ kubectl get pods
web-pod  pod  
```

## Task (40%)

Perform the following tasks: Add an init container to hungry-bear (which has been defined in spec file /opt/KUCC00108/pod-spec-KUC C00108.yaml )

The init container should create an empty file named /workdir/calm.txt. If /workdir/calm.txt is not detected, the pod should exit.

Once the spec file has been updated with the init container definition, the pod should be created

- `[]`

```
vi /opt/KUCC00108/pod-spec-KUC C00108.yaml

apiVersion: v1
kind: Pod
metadata:
  name: hungry-bear
spec:
  volumes:
  - name: workdir
    emptyDir: {}
  containers:
  - image: alpine
    name: checker
    command: ["/bin/sh", "-c", "if [ -f /workdir/calm.txt ]; then sleep 100000; else exit 1; fi"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir
  initContainers:
  - name: init-myservice
    image: alpine
    command: ["/bin/sh", "-c", "touch /workdir/calm.txt"]
    volumeMounts:
    - name: workdir
      mountPath: /workdir

:wq
```

```
kubectl apply -f /opt/KUCC00108/pod-spec-KUC C00108.yaml
```

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