

CKA/CKAD : Complete Certification Guide

Readiness Probe - HealthCheck



CKA/CKAD Certification

- **Readiness Probe** : It checks, when a container is ready to start accepting traffic.
- A Pod is considered ready when all of its containers are ready.

Readiness Probe Types

```
graph TD; A[Readiness Probe Types] --> B[HTTP]; A --> C[TCP]; A --> D[CMD];
```

HTTP

```
readinessProbe:
  httpGet:
    path: /healthz
    port: 8080
    httpHeaders:
      - name: Custom-Header
        value: Awesome
  initialDelaySeconds: 3
  periodSeconds: 3
```

STATUS : 2xx/3xx

TCP

```
readinessProbe:
  tcpSocket:
    port: 8080
  initialDelaySeconds: 15
  periodSeconds: 20
```

STATUS : Connection
Checking

CMD

```
readinessProbe:
  exec:
    command:
      - cat
      - /tmp/healthy
  initialDelaySeconds: 5
  periodSeconds: 5
```

EXIT Status 0

```
apiVersion: v1
kind: Pod
metadata:
  name: goproxy
spec:
  containers:
  - name: goproxy
    image: k8s.gcr.io/goproxy:0.1
    ports:
    - containerPort: 8080
  readinessProbe:
    tcpSocket:
      port: 8080
    initialDelaySeconds: 5
    periodSeconds: 10
  livenessProbe:
    tcpSocket:
      port: 8080
    initialDelaySeconds: 15
    periodSeconds: 20
```

Thank You...

Don't be the Same! Be Better!!!
