

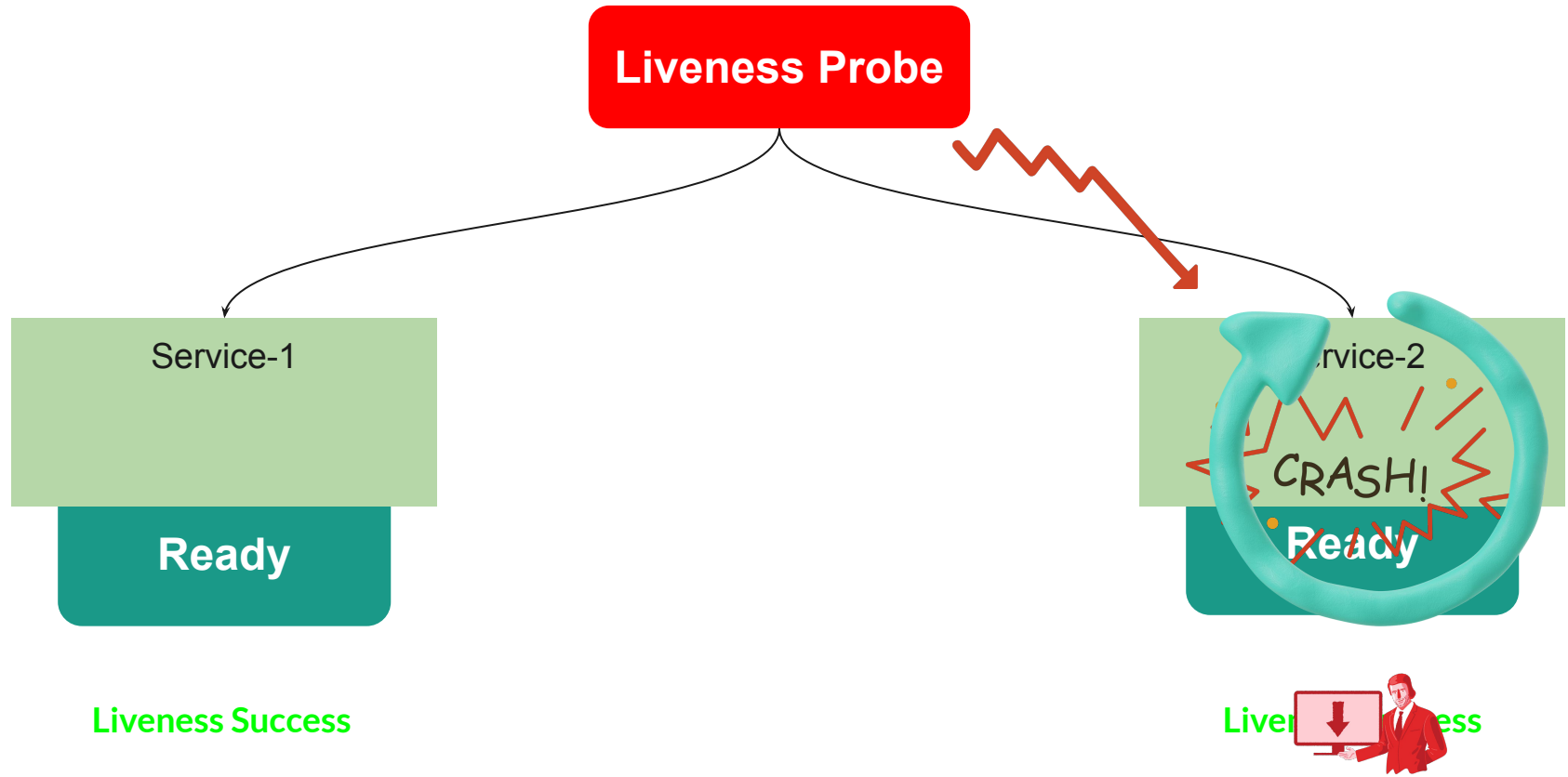
CKA/CKAD : Complete Certification Guide

Liveness Probe - HealthCheck



CKA/CKAD Certification

- **Liveness Probe** : It checks Pod is running, is-Alive and functional, as it should be.
- In case of probe failure, it will restart the container.
- Liveness probes could catch a deadlock, where an application is running, but unable to make progress.



Liveness Probe Types

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

HTTP

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

STATUS : 2xx/3xx

TCP

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

STATUS : Connection
Checking

CMD

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

EXIT Status 0

Thank You...

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