

# Liveness and Readiness Probe Configuration

We can add a liveness/readiness probe in our kubernetes deployment assuming we have a rest service to call.

For this to work, we need an endpoint that will respond with a **200 OK** when called.

In the following example, we have a container containing an endpoint the the following specifications:

- response: **200 OK**
- URL: **/monitor/health**

To configure this in our kubernetes deployment, we will need to add the following:

## service.yaml

```
apiVersion: v1
kind: Service
metadata:
  name: myapp
  labels:
    app: myapp
spec:
  ports:
    - name: http
      port: 8080
      targetPort: 8080
```

## deployment.yaml

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: myapp
  labels:
    app: myapp
spec:
  replicas: 1
  selector:
    matchLabels:
      app: myapp
  template:
    metadata:
      labels:
        app: myapp
    spec:
      containers:
        - name: myapp
          image: myapp:1.0.0-SNAPSHOT
  ...
  readinessProbe:
    httpGet:
      path: /monitor/health
      port: 8080
      initialDelaySeconds: 5
      periodSeconds: 5
  livenessProbe:
    httpGet:
      path: /monitor/health
      port: 8080
      initialDelaySeconds: 5
      periodSeconds: 5
```