

# Grundgerüst Kubernetes Deployment YAML-Datei

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: <deployment name>
  namespace: <namespace angeben>
  annotations:
    author: Phillip <mail@phillipunzen.de>

spec:
  replicas: 3
  strategy:
    type: <Typ> RollingUpdate
    rollingUpdate:
      maxSurge: 1
      maxUnavailable: 0
  selector:
    matchLabels:
      app: <app-name>
  template:
    metadata:
      labels:
        app: <app-name>
      annotations:
        author: Phillip <mail@phillipunzen.de>
    spec:
      containers:
        - name: <pod name>
          image: <docker-image:tag>
          env:
            - name: KEY
              value: VALUE
      ports:
```

```
- name: http
  containerPort: <Port im Container>
resources:
  requests: # Minimum an Hardware
    cpu: "250m" # => 1/4 CPU Kern für den Container
    memory: "256Mi"
  limits:
    cpu: "1000m" # => 1 CPU Kern für den Container
    memory: "512Mi" # => Wenn mehr benötigt, dann wird Container neugestartet
readinessProbe: # Healthcheck auf HTTP
  httpGet:
    path: /
    port: http
  initialDelaySeconds: 10 # Zeitraum zwischen Checks
livenessProbe:
  httpGet:
    path: /
    port: http
  initialDelaySeconds: 10 # Zeitraum zwischen Checks
```

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Revision #5

Created 23 October 2024 17:10:56 by Phillip U.

Updated 23 October 2024 18:36:53 by Phillip U.