

# helm-assignment

templates/\_helpers.tpl

```
{{- define "myapp.containerResources" -}}
resources:
  limits:
    cpu: {{ .Values.resources.limits.cpu | default "100m" }}
    memory: {{ .Values.resources.limits.memory | default "128Mi" }}
  requests:
    cpu: {{ .Values.resources.requests.cpu | default "100m" }}
    memory: {{ .Values.resources.requests.memory | default "128Mi" }}
{{- end -}}
```

templates/deployment.yaml

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: myapp
  labels:
    {{- with .Values.labels }}
    {{- toYaml . | nindent 4 }}
    {{- end }}
spec:
  replicas: {{ .Values.replicaCount }}
  selector:
    matchLabels:
      {{- with .Values.labels }}
      {{- toYaml . | nindent 6 }}
      {{- end }}
  template:
    metadata:
      labels:
        {{- with .Values.labels }}
        {{- toYaml . | nindent 8 }}
        {{- end }}
    spec:
      containers:
        - name: nginx
          image: {{ .Values.image.repository | default "library" | lower }}:
            {{ if .Values.image.isProduction }}1.27-alpine{{ else }}latest{{ end }}
```

```
{{- include "myapp.containerResources" . | nindent 10 }}
```

values.yaml

```
replicaCount: 1

resources:
  limits:
    cpu: 100m
    memory: 128Mi
  requests:
    cpu: 100m
    memory: 128M

image:
  repository: nginx
  isProduction: false
```

override-values.yaml

```
resources:
  limits:
    memory: 256Mi
  requests:
    cpu: 75m
```

```
voldemort@voldemort-Lenovo-Legion-5-15ARH05H:~/myapp$ helm template .
```

```
---
```

```
# Source: myapp/templates/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: myapp
  labels:
spec:
  replicas: 1
  selector:
    matchLabels:
  template:
    metadata:
      labels:
    spec:
      containers:
      - name: nginx
        image: nginx:latest
        resources:
          limits:
            cpu: 100m
            memory: 128Mi
          requests:
            cpu: 100m
            memory: 128M
```

```
voldemort@voldemort-Lenovo-Legion-5-15ARH05H:~/myapp$ nano override-resources.yaml
```

```
voldemort@voldemort-Lenovo-Legion-5-15ARH05H:~/myapp$ helm template . -f override-resources.yaml
```

```
---
```

```
# Source: myapp/templates/deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: myapp
  labels:
spec:
  replicas: 1
  selector:
    matchLabels:
  template:
    metadata:
      labels:
    spec:
      containers:
      - name: nginx
        image: nginx:latest
        resources:
          limits:
            cpu: 100m
            memory: 256Mi
          requests:
            cpu: 75m
            memory: 128M
```