

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: hpa-example
spec:
  replicas: 1
  selector:
    matchLabels:
      app: hpa-example
  template:
    metadata:
      labels:
        app: hpa-example
    spec:
      containers:
      - name: hpa-example
        image: gcr.io/google_containers/hpa-example
        ports:
        - name: http-port
          containerPort: 80
        resources:
          limits:
            cpu: 100m
          requests:
            cpu: 80m
```

```
---
apiVersion: v1
kind: Service
metadata:
  name: hpa-example
spec:
  ports:
  - port: 31010
    nodePort: 31010
    targetPort: http-port
    protocol: TCP
  selector:
    app: hpa-example
  type: NodePort
```