3_helloworld_service.yaml — SJSU

EXPLORER

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SJSU
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OUTLINE
TIMELINE

256 > k8s-hw > manifests > 3_helloworld_service.yaml

```yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  labels:
    app: example1
  name: example1
spec:
  replicas: 1
  selector:
    matchLabels:
      app: example1
  template:
    metadata:
      labels:
        app: example1
    spec:
      containers:
      - image: nginx:latest
        name: nginx
        ports:
        - containerPort: 80
          name: nginx
        volumeMounts:
        - name: htmlcontent
          mountPath: "/usr/share/nginx/html/"
          readOnly: true
      volumes:
      - name: htmlcontent
        configMap:
          name: index.html
          items:
          - key: index.html
            path: index.html
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
NAME                          READY   STATUS        RESTARTS   AGE
example1-7d5df98f78-v6c2q     0/1     Terminating   0          7m12s
example1-cb6d84599-wggnz      1/1     Running       0          11s
Austins-MBP:k8s-hw austinwilson$
Austins-MBP:k8s-hw austinwilson$
Austins-MBP:k8s-hw austinwilson$ kubectl get pods
NAME                          READY   STATUS    RESTARTS   AGE
example1-cb6d84599-wggnz      1/1     Running   0          4m7s
Austins-MBP:k8s-hw austinwilson$ kubectl get pods
Austins-MBP:k8s-hw austinwilson$
Austins-MBP:k8s-hw austinwilson$
Austins-MBP:k8s-hw austinwilson$ kubectl apply -f manifests/3_helloworld_service.yaml
service/example1 created
Austins-MBP:k8s-hw austinwilson$ kubectl get pods
NAME                          READY   STATUS    RESTARTS   AGE
example1-cb6d84599-wggnz      1/1     Running   0          4m31s
Austins-MBP:k8s-hw austinwilson$ kubectl get services
NAME         TYPE        CLUSTER-IP     EXTERNAL-IP   PORT(S)        AGE
example1     NodePort    10.96.63.160   <none>        80:30080/TCP   20s
kubernetes   ClusterIP   10.96.0.1      <none>        443/TCP        14m
Austins-MBP:k8s-hw austinwilson$ kubectl create configmap index.html --from-file html/index.html
configmap/index.html created
Austins-MBP:k8s-hw austinwilson$ kubectl apply -f manifests/3_helloworld_service.yaml
error: error parsing manifests/3_helloworld_service.yaml: error converting YAML to JSON: yaml: line 19: di
d not find expected key
Austins-MBP:k8s-hw austinwilson$ kubectl apply -f manifests/3_helloworld_service.yaml
deployment.apps/example1 configured
Austins-MBP:k8s-hw austinwilson$ kubectl apply -f manifests/3_helloworld_service.yaml
deployment.apps/example1 unchanged
Austins-MBP:k8s-hw austinwilson$
```

main* Python 3.8.3 64-bit ('base': conda) ⊗ 0 ⚠ 0 Ln 33, Col 29 Spaces: 2 UTF-8 LF YAML Go Live Prettier

Hello, world!

localhost

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Hello, world!