Question 1 of 8

A service routes traffic to pods based on selectors and which of the following?

- ○ Indicators
- ● Labels
- ○ Pointers
- ○ Signposts

Question 2 of 8

Viewing the pod's YAML file, which port in the 'neptune' pod exposes the 'nginx' container internally?

8127

```
linux@kubernetes:~$ ls
neptune-pod.yaml  nginx2-pod.yaml  service.yaml  snap
linux@kubernetes:~$ cat neptune-pod.yaml
apiVersion: v1
kind: Pod
metadata:
  labels:
    run: find-neptune
  name: neptune
spec:
  automountServiceAccountToken: false
  containers:
    - name: fake-nginx
      image: fake-nginx
      imagePullPolicy: Never
      ports:
        - name: http1
          protocol: TCP
          containerPort: 8088
    - name: nginx
      image: nginx
      imagePullPolicy: Never
      ports:
        - name: http2
          protocol: TCP
          containerPort: 8127
linux@kubernetes:~$
```

Question 3 of 8

Use kubectl to view the service. Which node port maps to the port in the previous question?

30001

```
linux@kubernetes:~$ kubectl get svc my-service
NAME         TYPE       CLUSTER-IP       EXTERNAL-IP   PORT(S)                                        AGE
my-service   NodePort   10.152.183.254   <none>        8088:30000/TCP,8127:30001/TCP,8200:30002/TCP   7m47s
linux@kubernetes:~$ kubectl describe svc my-service
Name:                     my-service
Namespace:                default
Labels:                   <none>
Annotations:              <none>
Selector:                 run=find-neptune
Type:                     NodePort
IP Families:              <none>
IP:                       10.152.183.254
IPs:                      10.152.183.254
Port:                     http1  8088/TCP
TargetPort:               8088/TCP
NodePort:                 http1  30000/TCP
Endpoints:                10.1.192.114:8088
Port:                     http2  8127/TCP
TargetPort:               8127/TCP
NodePort:                 http2  30001/TCP
Endpoints:                10.1.192.114:8127
Port:                     http3  8200/TCP
TargetPort:               8200/TCP
NodePort:                 http3  30002/TCP
Endpoints:                10.1.192.114:8200
Session Affinity:         None
External Traffic Policy:  Cluster
Events:                   <none>
linux@kubernetes:~$
```

Question 4 of 8

Use cURL to access the 'nginx' container. What is the token?

4eab16

```
linux@kubernetes:~$ curl 10.152.183.254:8127

<p>Good job, you found the right port and connected to the Nginx container!</p>
<p>Your token is 4eab16 </p>

linux@kubernetes:~$
```

Question 5 of 8

What is the original 'key: value' pair for the selector in the 'my-service' service's YAML file?

run: find-neptune

```
linux@kubernetes:~$ kubectl describe svc my-service
Name:                     my-service
Namespace:                default
Labels:                   <none>
Annotations:              <none>
Selector:                 run=find-neptune
Type:                     NodePort
```

Question 6 of 8

What 'key: value' pair is the label assigned to the 'my-nginx-app' pod?

run=my-nginx-app

```
linux@kubernetes:~$ kubectl get po my-nginx-app --show-labels
NAME           READY   STATUS    RESTARTS   AGE   LABELS
my-nginx-app   1/1     Running   1          15m   run=my-nginx-app
linux@kubernetes:~$
```

Question 7 of 8

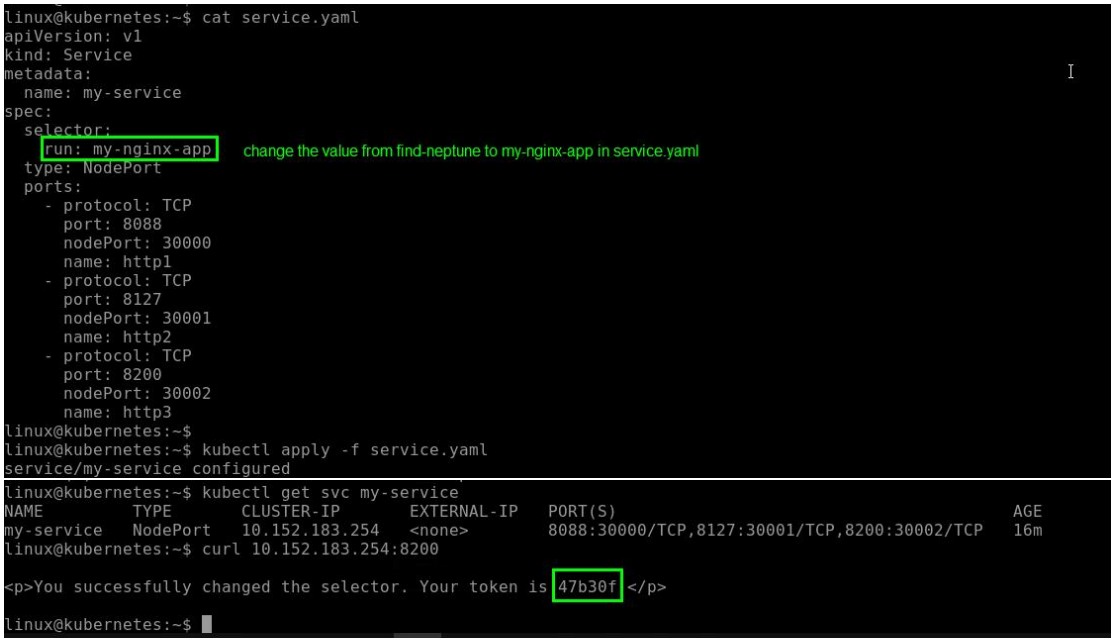
Which flag can be passed to kubectl's 'apply' command to specify that the resource configuration is contained in a file?

- (●) -f
- ( ) -k
- ( ) -l
- ( ) -o

Question 8 of 8

After updating the 'service.yaml' file, what is the token in the 'nginx2' application?

47b30f Use the value from your terminal


linux@kubernetes:~$ cat service.yaml
apiVersion: v1
kind: Service
metadata:
name: my-service
spec:
selector:
run: my-nginx-app
change the value from find-neptune to my-nginx-app in service.yaml
type: NodePort
ports:
- protocol: TCP
port: 8088
nodePort: 30000
name: http1
- protocol: TCP
port: 8127
nodePort: 30001
name: http2
- protocol: TCP
port: 8200
nodePort: 30002
name: http3
linux@kubernetes:~$
linux@kubernetes:~$ kubectl apply -f service.yaml
service/my-service configured
linux@kubernetes:~$ kubectl get svc my-service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
my-service NodePort 10.152.183.254 <none> 8088:30000/TCP,8127:30001/TCP,8200:30002/TCP 16m
linux@kubernetes:~$ curl 10.152.183.254:8200
You successfully changed the selector. Your token is 47b30f
linux@kubernetes:~$