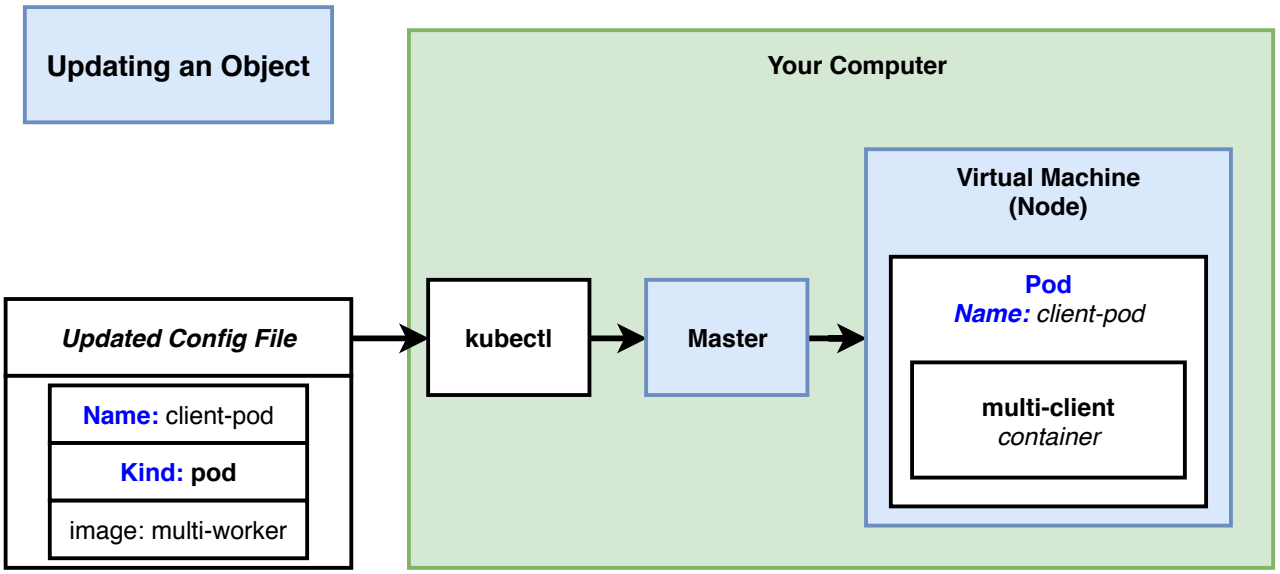
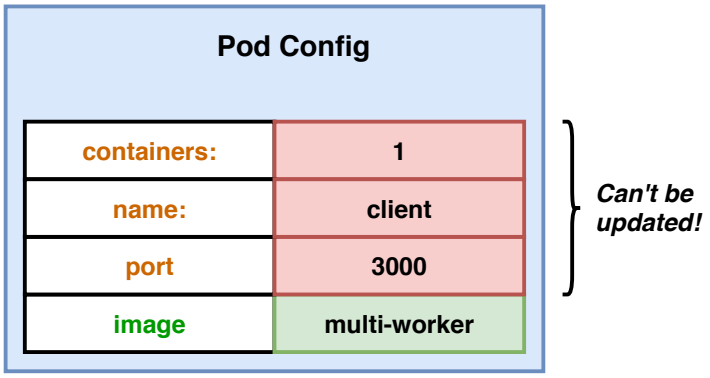
Updating & Deployments on kubernates

Updating an Object





Object Types

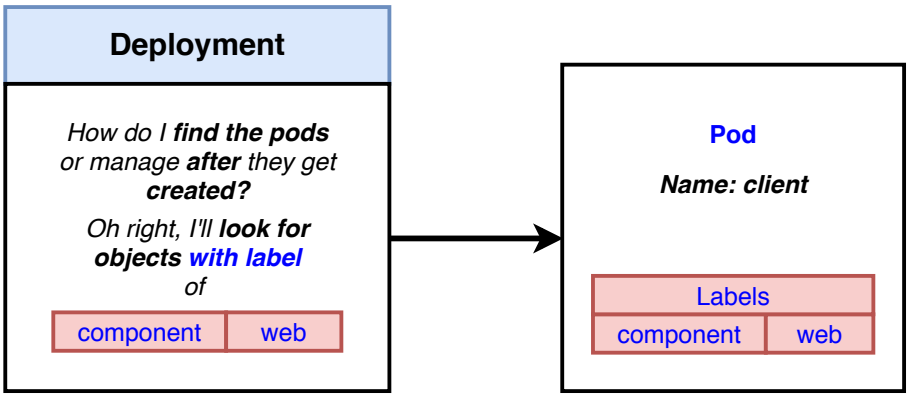
Pods → Runs one or more **closely related containers**

Services → **Sets up networking** in a Kubernetes Cluster

Deployment → **Maintains a set of identical pods**, ensuring that they have the correct config and that the right number exists

Pods
Runs **a single set of** containers
Good for one-off **dev purposes**
Rarely used directly in production

Deployment
Runs **a set of** identical pods (one or more)
Monitors the state of each pod, updating as necessary
Good for dev
Good for production



client-deployment.yaml

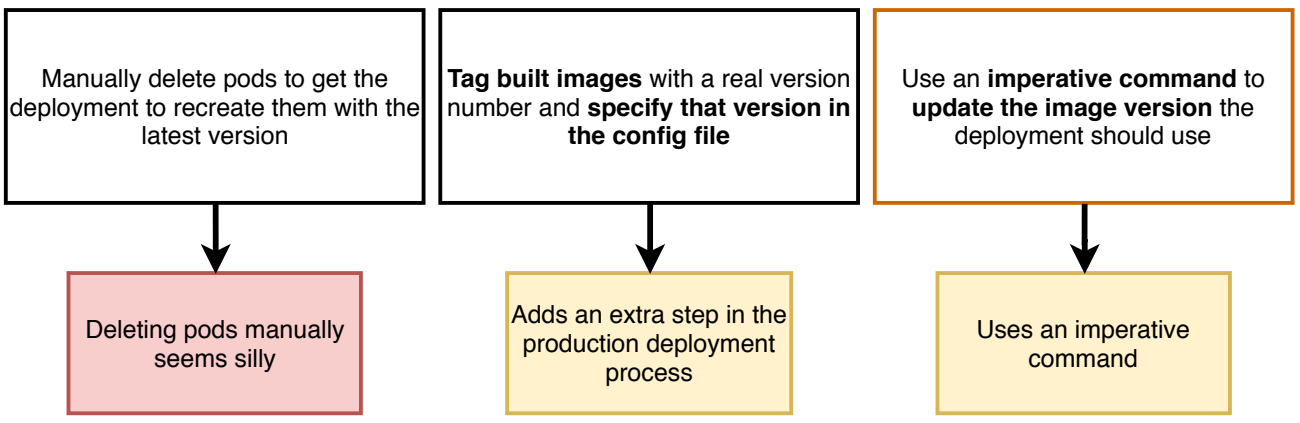
```yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: client-deployment
spec:
  replicas: 1
  selector:
    matchLabels:
      component: web
  template:
    metadata:
      labels:
        component: web
    spec:
      containers:
        - name: client
          image: jsmile/multi-client
          ports:
            - containerPort: 3000
```

It's **possible** to change **replicas and ports** in the **Deployment**

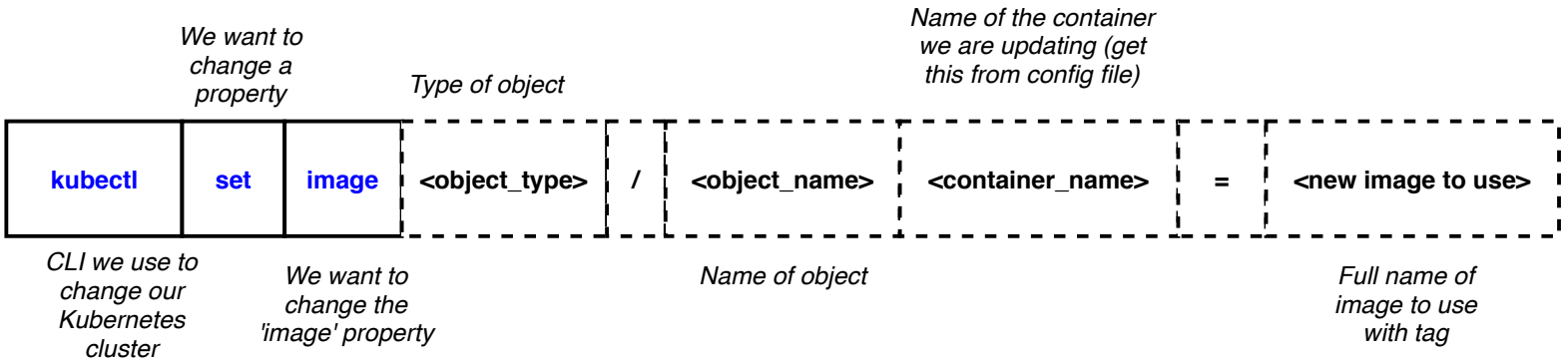
client-pod.yaml

```yaml
apiVersion: v1
kind: Pod
metadata:
  name: client-pod
  labels:
    component: web
spec:
  containers:
    - name: client
      image: jsmile/multi-worker
      ports:
        - containerPort: 3000
```

It's **not possible** to change **ports** in the **Pod**



Imperative command (ugh) to update image



Configure local docker-client to connect to the docker server in Kubernetes

evl $(minikube docker-env)

local docker-client **temporary** ***connection to the docker-server in the Kubernetes***

Only *configures your* ***current terminal****.*