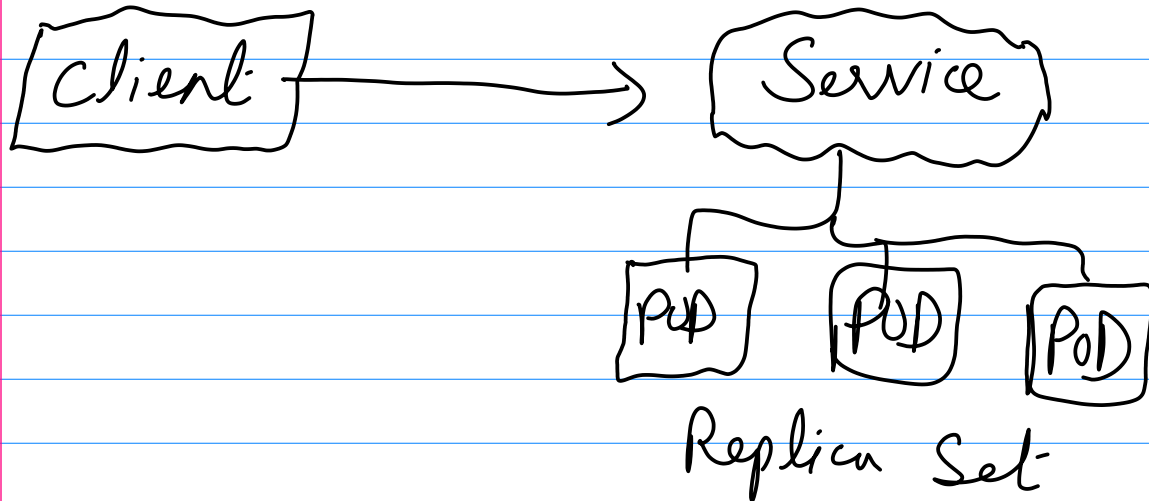


Deployment :-

How can we update our app?



Use Case :-

POD \Rightarrow contains with image abc/xyz:v1

After sometime you want to update the image

abc/xyz:v2

We need to update an image.

- We need to remove the old pods
✱ & replace them with new ones
running the new image.
-

- Kubernetes provide us a resource
✱ which do all the update on behalf
of us automatically.

- ✱ A Deployment is a resource
meant for deploying applications
& updating them by changing
its image.

- When you create a Deployment, a replica set resource is created underneath.
- When using a Deployment, the actual pods are created & managed by the Deployments ReplicaSet, not by the Deployments directly.



Deployment Strategies:

- ① Rolling Update (Default)
 - delete one by one
 - Limitations = ??

② Downtime :

When you delete all the pods
✶ & creating new pods.

✶ It will take time to restart.

Limitations \implies ??

```
kind: Deployment
apiVersion: apps/v1
metadata:
  name: deployment1
spec:
  replicas: 4
  selector:
    matchLabels:
      tier: frontend
  template:
    metadata:
      labels:
        tier: frontend
    spec:
      containers:
        - name: deployment-container
          image: usama9876/firstdocker-app
```

Kubectl set-image deploy deployment-2
container1 : image name