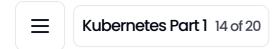
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## Create a replicaset

Let's not worry about deployments, lets just create a replicaset that starts 3 pods

Create rs.yml

```
apiVersion: apps/vl
kind: ReplicaSet
metadata:
 name: nginx-replicaset
spec:
 replicas: 3
 selector:
  matchLabels:
   app: nginx
 template:
  metadata:
   labels:
    app: nginx
  spec:
   containers:
   - name: nginx
    image: nginx:latest
    ports:
    - containerPort: 80
```

Apply the manifest

kubectl apply -f rs.yml

Get the rs details

kubectl get rs



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Check the pods



NAME READY STATUS RESTARTS AGE nginx-replicaset-7zp2v 1/1 Running 0 35s nginx-replicaset-q264f 1/1 Running 0 35s nginx-replicaset-vj42z 1/1 Running 0 35s

Try deleting a pod and check if it self heals

```
kubectl delete pod nginx-replicaset-7zp2v
kubectl get pods
```

• Try adding a pod with the app=nginx

```
kubectl run nginx-pod --image=nginx --labels="app=nginx"
```

- Ensure it gets terminated immedietely because the rs already has 3 pods
- Delete the replicaset

kubectl delete rs nginx-deployment-576c6b7b6



Note the naming convention of the pods. The pods are named after the replicaset followed by a unique id (for eg nginx-replicaset-vj42z)