## Replication option

* What is RC

A Replication Controller (RC) is a legacy Kubernetes object used to ensure that a specified number of pod replicas are running at any given time.

* Why you need Replication:
  + Reliability
  + Load balancing
  + High availability
  + Scaling
* Types of Kubernetes replication:
  + Replication Controller
  + Replica Set (Replaced RC)
  + Deployments

Concept of selector and label

## Replication Controller Deployment strategy:

kubectl create -f rc.yml -n qa

kubectl get rc -n qa

kubectl describe rc -n qa | less

kubectl delete rc -n qa

kubectl delete pod <podname> -n qa (To check HA)

3 ways to scale up/down:

kubectl scale replicas=3 rc/webserver -n qa (Scale up on high traffic)

kubectl edit rc webserver -n qa (etcd db - edit replica directly - save^)

kubectl get rc webserver -n qa -o yaml > is.yml (edit new file with replica - 4)

kubectl apply -f is.yml (New desired state is now 4)