**Deployments:**

Deployment is used to deploy, upgrade, downgrade, rollout, rollback the changes applied on PODs.

For each deployemnt🡪each rollout🡪each Revision🡪version. Deployment internally creates replicasets with PODS.

**Deployment Stratagies:**

1. Recreate: all the PODS in the existing replicaset will be deleted at a time and a replica set will created followed by new PODS creation under new replica. This results in application downtime due the delay time gap between deletion of PODS in old replica and creation of PODS in new replica.
2. Rolling Update(default): the PODS in old replica will be deleted and created in new replica one by one in queue manner.this ensures atleast one instances of our application is running without any downtime always.

* **Kubectl create –f <deployment.yaml> --record**
* **Kubectl apply –f <deployment.yaml>**
* **Kubectl edit deployment/<deploymentName>**
* **Kubectl rollout status deployment/<deploymentName>**
* **Kubectl rollout history deployment/<deploymentName>**
* **Kubectl rollout undo deployment/<deploymentName>**

**Kubectl set image deployment/<deploymentName> <containerName>=<imageName>**







