DEPLOYMENT ROLLOUT UPDATE COMMANDS

```
controlplane:~/dhanush$ cat deploy.yaml
---
apiVersion: apps/v1
kind: Deployment
metadata:
  name: school-deployment
  namespace: flipkart-ns
spec:
  replicas: 5
  selector:
    matchLabels:
      app: school
  template:
    metadata:
      labels:
        app: school
    spec:
      containers:
        - name: school
          image: dhanushn2003/school-image:d1.0.0
          ports:
            - containerPort: 85

controlplane:~/dhanush$
```

Deployment.yaml file

```
controlplane:~$ mkdir deploy.yaml
controlplane:~$ rmdir deploy.yaml
controlplane:~$ mkdir dhanush
controlplane:~$ cd dhanush/
controlplane:~/dhanush$ vi deploy.yaml
controlplane:~/dhanush$ kubectl create ns flipkart-ns
namespace/flipkart-ns created
controlplane:~/dhanush$ kubectl apply -f deploy.yaml
deployment.apps/school-deployment created
controlplane:~/dhanush$ kubectl get all -n flipkart-ns
NAME                                        READY   STATUS    RESTARTS   AGE
pod/school-deployment-6d99848986-f6z2j      1/1     Running   0          94s
pod/school-deployment-6d99848986-hqpqw      1/1     Running   0          94s
pod/school-deployment-6d99848986-kq4mh      1/1     Running   0          94s
pod/school-deployment-6d99848986-sg79t      1/1     Running   0          94s
pod/school-deployment-6d99848986-wd986      1/1     Running   0          94s

NAME                                  READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/school-deployment     5/5     5            5           94s

NAME                                            DESIRED   CURRENT   READY   AGE
replicaset.apps/school-deployment-6d99848986    5         5         5       94s
```

Deployment of yaml file

```
controlplane:~/dhanush$ kubectl get all -n flipkart-ns
NAME                                            READY   STATUS    RESTARTS   AGE
pod/school-deployment-6d99848986-f6z2j          1/1     Running   0          13m
pod/school-deployment-6d99848986-hqpqw          1/1     Running   0          13m
pod/school-deployment-6d99848986-kq4mh          1/1     Running   0          13m
pod/school-deployment-6d99848986-sg79t          1/1     Running   0          13m
pod/school-deployment-6d99848986-wd986          1/1     Running   0          13m


NAME                                  READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/school-deployment     5/5     5            5           13m


NAME                                            DESIRED   CURRENT   READY   AGE
replicaset.apps/school-deployment-6d99848986    5         5         5       13m
```

All pods

```
controlplane:~/dhanush$ kubectl describe pod school-deployment-6d99848986-f6z2j -n flipkart-ns
Name:             school-deployment-6d99848986-f6z2j
Namespace:        flipkart-ns
Priority:         0
Service Account:  default
Node:             node01/172.30.2.2
Start Time:       Thu, 19 Feb 2026 16:24:47 +0000
Labels:           app=school
                  pod-template-hash=6d99848986
Annotations:      cni.projectcalico.org/containerID: eb43af8d59e4f898ea9b57fd5e102e27d653580fc430c12e1209789ec92123f2
                  cni.projectcalico.org/podIP: 192.168.1.4/32
                  cni.projectcalico.org/podIPs: 192.168.1.4/32
Status:           Running
IP:               192.168.1.4
IPs:
  IP:             192.168.1.4
Controlled By:  ReplicaSet/school-deployment-6d99848986
Containers:
  school:
    Container ID:   containerd://3ca826d633b199f088b9ffb1446b38cb595c42f775cd2a351ea1266fa922767b
    Image:          dhanushn2003/school-image:d1.0.0
    Image ID:       docker.io/dhanushn2003/school-image@sha256:47ae494c8eae9457a4a8809f5e25fb7589924643c33e678fee6c34ac536d0cdf
    Port:           85/TCP
    Host Port:      0/TCP
    State:          Running
      Started:      Thu, 19 Feb 2026 16:25:01 +0000
    Ready:          True
    Restart Count:  0
    Environment:    <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-wrjsn (ro)
Conditions:
  Type                        Status
  PodReadyToStartContainers   True
  Initialized                 True
  Ready                       True
  ContainersReady             True
  PodScheduled                True
Volumes:
  kube-api-access-wrjsn:
    Type:                    Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds:  3607
    ConfigMapName:           kube-root-ca.crt
    Optional:                false
    DownwardAPI:             true
QoS Class:                   BestEffort
Node-Selectors:              <none>
Tolerations:                 node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                             node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type    Reason     Age   From                Message
  ----    ------     ----  ----                -------
  Normal  Scheduled  17m   default-scheduler   Successfully assigned flipkart-ns/school-deployment-6d99848986-f6z2j to node01
  Normal  Pulling    17m   kubelet             Pulling image "dhanushn2003/school-image:d1.0.0"
  Normal  Pulled     17m   kubelet             Successfully pulled image "dhanushn2003/school-image:d1.0.0" in 12.359s (12.359s including waiting). Image size: 107891620 bytes.
```

Description of pods

```
controlplane:~/dhanush$ kubectl rollout history deployment school-deployment -n flipkart-ns
deployment.apps/school-deployment
REVISION   CHANGE-CAUSE
1          <none>

controlplane:~/dhanush$ kubectl rollout undo deployment school-deployment -n flipkart-ns
error: no rollout history found for deployment "school-deployment"
controlplane:~/dhanush$ kubectl rollout history deployment school-deployment -n flipkart-ns
deployment.apps/school-deployment
REVISION   CHANGE-CAUSE
1          <none>

controlplane:~/dhanush$ kubectl rollout status deployment school-deployment -n flipkart-ns
deployment "school-deployment"  successfully rolled out
controlplane:~/dhanush$ kubectl rollout history deployment school-deployment -n flipkart-ns
deployment.apps/school-deployment
REVISION   CHANGE-CAUSE
1          <none>
```

Rollout commands