apiVersion: apps/v1

kind: Deployment

metadata:

name: nginx-deployment

labels:

app: nginx

spec:

replicas: 3

selector:

matchLabels:

app: nginx

template:

metadata:

labels:

app: nginx

spec:

containers:

- name: nginx

image: sreeharshav/k8srlp:v2

ports:

- containerPort: 80

livenessProbe:

initialDelaySeconds: 10

periodSeconds: 5

httpGet:

path: /

port: 80

ku set image deployment nginx-deployment nginx=sreeharshav/testcontainer:v1

kubectl rollout history deployment/nginx-deployment

kubectl rollout undo deployment/nginx-deployment --to-revision=2

ku set image deployment nginx-deployment nginx=sreeharshav/testcontainer:v1 --record

root@ip-10-1-1-107:~# kubectl rollout history deployment/nginx-deployment

deployment.apps/nginx-deployment

REVISION CHANGE-CAUSE

1 <none>

4 <none>

5 <none>

6 kubectl set image deployment nginx-deployment nginx=sreeharshav/testcontainer:v1 --record=true

Annotation will also be added in the Resource YAML as below:

kubernetes.io/change-cause: kubectl set image deployment nginx-deployment nginx=sreeharshav/testcontainer:v1

https://learnk8s.io/kubernetes-rollbacks

CMD ["sh","-c","mkdir -p ~/my/new/directory/ && cd ~/my/new/directory && touch new.file"]

CANARY:

kubectl set image deployment hello name=sreeharshav/rollingupdate:v3

kubectl rollout pause deployment hello

kubectl rollout resume deployment kubia

ROLLINGUPDATE:

apiVersion: extensions/v1beta1

kind: Deployment

metadata:

name: nginx-deployment

labels:

app: nginx

spec:

minReadySeconds: 20

replicas: 3

selector:

matchLabels:

app: nginx

strategy:

rollingUpdate:

maxSurge: 1

maxUnavailable: 0

type: RollingUpdate

template:

metadata:

labels:

app: nginx

spec:

containers:

- name: nginx

image: sreeharshav/testcontainer:v1

ports:

- containerPort: 80

---

kind: Service

apiVersion: v1

metadata:

name: myservice

spec:

selector:

app: nginx

type: NodePort

ports:

- name: name-of-the-port

port: 8000

targetPort: 80