

Create Kubernetes Rolling Update

Create a deployment file

apiVersion: apps/v1

kind: Deployment

metadata:

name: nginx-deploy

spec:

replicas: 3

selector:

matchLabels:

app: nginx

template:

metadata:

labels:

app: nginx

spec:

containers:

- name: nginx

image: nginx:1.9.1

ports:

- containerPort: 80

Create a deployment:

kubectl create -f deployment.yaml

kubectl get deployment

kubectl get rs -w

kubectl get pods

Ramped/RollingUpdate [Release a new version on a rolling update fashion, one after the other]

The ramped deployment strategy consists of slowly rolling out a version of an application by replacing instances one after the other until all the instances are rolled out.

Modify the existing deployment nginx version to stable

```
apiVersion: apps/v1
```

```
kind: Deployment
```

```
metadata:
```

```
  name: nginx-deploy
```

```
spec:
```

```
  replicas: 3
```

```
  selector:
```

```
    matchLabels:
```

```
      app: nginx
```

```
  template:
```

```
    metadata:
```

```
      labels:
```

```
        app: nginx
```

```
    spec:
```

```
      containers:
```

```
        - name: nginx
```

```
          image: nginx:stable
```

```
      ports:
```

```
kubectl apply -f deployment.yaml
```

```
kubectl get deployment
```

```
kubectl get rs -w
```

```
kubectl get pods
```

kubectl describe pod podname (Observe the nginx version , it would be nginx:stable)

Delete the deployment:

kubectl delete deployment deploymentname