Rollout and Versioning



Revision 1























Revision 2



















Rollout Command

```
> kubectl rollout status deployment/myapp-deployment
Waiting for rollout to finish: 0 of 10 updated replicas are available...
Waiting for rollout to finish: 1 of 10 updated replicas are available...
Waiting for rollout to finish: 2 of 10 updated replicas are available...
Waiting for rollout to finish: 3 of 10 updated replicas are available...
Waiting for rollout to finish: 4 of 10 updated replicas are available...
Waiting for rollout to finish: 5 of 10 updated replicas are available...
Waiting for rollout to finish: 6 of 10 updated replicas are available...
Waiting for rollout to finish: 7 of 10 updated replicas are available...
Waiting for rollout to finish: 8 of 10 updated replicas are available...
Waiting for rollout to finish: 9 of 10 updated replicas are available...
deployment "myapp-deployment" successfully rolled out
```

> kubectl rollout history deployment/myapp-deployment deployments "myapp-deployment" REVISION CHANGE-CAUSE kubectl apply --filename=deployment-definition.yml --record=true

Deployment Strategy

















































































Kubectl apply

```
deployment-definition.yml

apiVersion: apps/v1
kind: Deployment
metadata:
    name: myapp-deployment
labels:
        app: myapp
        type: front-end

spec:
        template:
            metadata:
            name: myapp-pod
            labels:
                app: myapp
                type: front-end
        spec:
            containers:
            - name: nginx-container
            image: nginx

replicas: 3
        selector:
            matchLabels:
                type: front-end
```

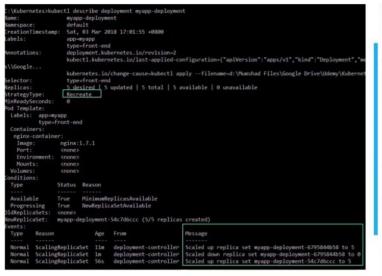
Kubectl apply

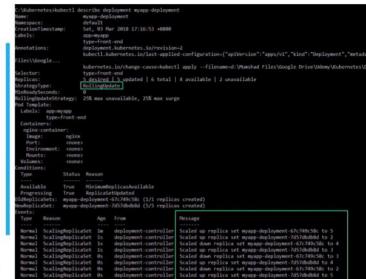
```
> kubectl apply -f deployment-definition.yml
deployment "myapp-deployment" configured
```

```
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```

```
deployment-definition.yml
apiVersion: apps/v1
kind: Deployment
metadata:
   name: myapp-deployment
labels:
        app: myapp
        type: front-end
spec:
   template:
        metadata:
        name: myapp-pod
        labels:
            app: myapp
            type: front-end
        spec:
        containers:
        - name: nginx-container
        image: nginx:1.7.1

replicas: 3
selector:
        matchLabels:
        type: front-end
```

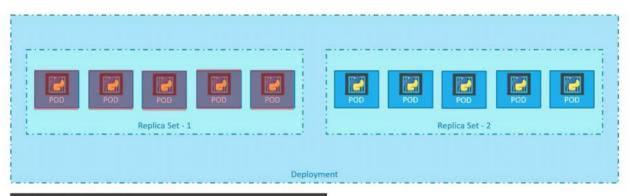




Recreate

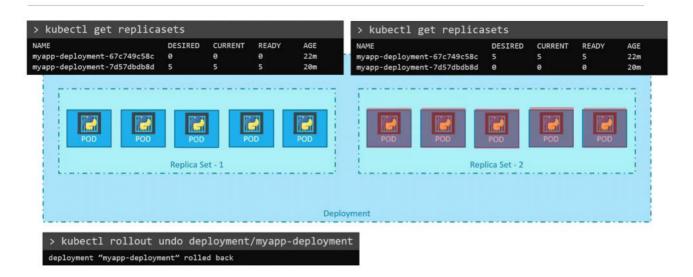
RollingUpdate

Upgrades



> kubectl get replica	sets			
NAME	DESIRED	CURRENT	READY	AGE
myapp-deployment-67c749c58c	0	0	0	22m
myapp-deployment-7d57dbdb8d	5	5	5	20m

Rollback



Summarize Commands

