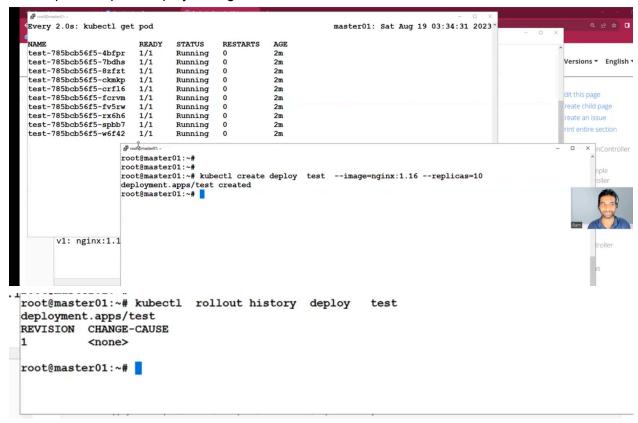
```
The Edit Format View Help
chapter03: Deployment chapter:

1) Orphans:
2) Command Mode
3) file Mode
4) manifests understaning
5) Project/Namespace
6) Pod label and Selector
7) Replication Controller
8) ReplicaSet

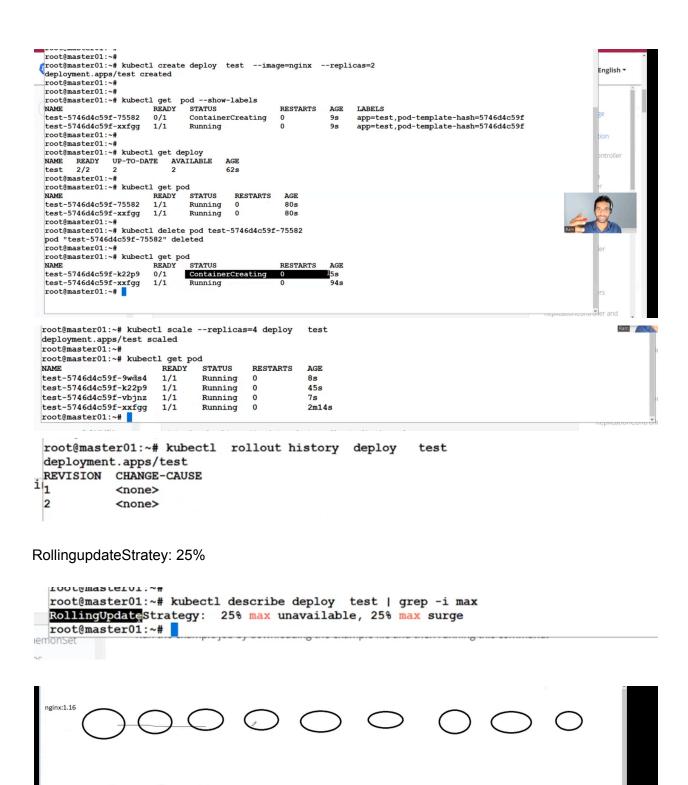
1) Application Rollout and Rollback
2) Deployment Strategy I
```

#### Create pods helps of deploy through interactive mode



# To rolling upgrade to new version through interactive mode





## History of rollout

```
root@master01:~# kubectl rollout history deploy test --revision=2
deployment.apps/test with revision #2
Pod Template:
  Labels:
                app=test
        pod-template-hash=5dd5794b46
  Containers:
   nginx:
                nginx:1/.17
    Image:
    Port:
                <none>
    Host Port: <none>
    Environment:
                        <none>
    Mounts:
                <none>
  Volumes:
                <none>
root@master01:~#
```

### Directly rollout from etcd

```
Volumes: <none>
root@master01:~# kubectl edit deploy test
```

## Deployment strategy

```
Deployment Stretegy:

1) RollingUpdateStrategy: we are saving down time . bcz uprade happing partialy.

2) Recreate : it terminiate old version and deploy new version pod
```

#### To change in manifest for Recreate strategy

```
st-7
st-7
st-7
st-7
lab name: test
namespace: default
          resourceVersion: "113489"
st-7
          uid: f3c86ae3-43ec-42e6-b1ff-17e7a7e6f1b3
    v1:spec:
          progressDeadlineSeconds: 600
          replicas: 10
          revisionHistoryLimit: 10
          selector:
            matchLabels:
    Dep
              app: test
          strategy:
          type: Recreate template:
    1)
    2)
            metadata:
               creationTimestamp: null
              labels:
                 app: test
            spec:
               containers:
              - image: nginx:1.16
imagePullPolicy: IfNotPresent
                                                                                                             26,12
                                                                                                                             31%
```

```
root@master01:-# kubectl set image deploy test nginx=nginx:1.17
deployment.apps/test image updated
```

# Type of Deployment mode

```
* type of deployment mode .

3) Canary Deployment
4) Blue-green Deployment
```

```
name: test
namespace: default
resourceVersion: "118113"
uid: 97a54f3d-3122-44a9-a59b-c92d634d7ff9
spec:
progressDeadlineSeconds: 600
replicas: 10
revisionHistoryLimit: 10
selector:
      matchLabels:
           app: test
     strategy:
       rollingUpdate:
       maxSurge: 25%
maxUnavailable: 25%
type: RollingUpdate
     template:
        metadata:
           creationTimestamp: null
           labels:
              app: test
        spec:
           containers:
   -- INSERT --
                                                                                                                                                       28,26
    lab-1:
                                                                                                                                 Ln 26, Col 7 100% Windows (CRLF) UTF-8
```