

Replication Controller is deprecated

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Replication Set > Will maintain the no of healthy pods in overall system

Deployment > Ux replicaset for managing vernioning

> Received | > © Scale down caisting replicased to 0

Received | > © Scale down existing replicaset

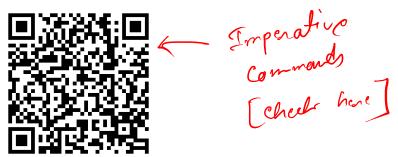
> Rolling Update |

Powerly Seede down existing replicased by 1

oriching one © Increws new replicased by 1

Container's IP = Par's IP





Replicas of & Deployment apiVersion: apps/v1 kind: ReplicaSet metadata: name: myapp-replicaset Replicated labels: app: myapp type: front-end spec: template: Pod definition mainly

Shotegy > Polling Update, Recreate

Shotegy Default

Only for Deployment

No of replican

Scleeton for Pod metadata: name: myapp-pod labels: app: myapp type: front-end spec: containers: - name: nginx-container image: nginx strategy: type: RollingUpdate replicas: 3 selector: matchLabels: type: front-end Impartor Commone kubectl scale --replicas=<new no> replicaset <name>

kubectl rollout status <name>

kubectl rollout history <name>

kubectl rollout undo <name>

State Pod La This does not required kebelt on Kebe API Server
La Used in bootedapping eluster
La Used in bootedapping in Kube API Server, La We can see détails but can'd Control Is managed by Kubeled Ly Steene Pod definitio in Sete/kubernetus/mourifests Dacmonsets 1 Li When a new mode got odded, Daemond will be deployed on Lo K85 will ensure that the Pod is muliuther or each node

apiVersion: apps/v1 apiVersion: apps/v1 kind: ReplicaSet kind: Deployment apiVersion: v1 metadata: metadata: kind: Pod name: nginx-replicaset name: nginx-daemonset metadata: labels: labels: labels: app: nginx app: nginx type: frontend app: nginx-pod type: frontend

type: frontend name: nginx-pod spec: containers:

- image: nginx:1.24 name: nginx-pod restartPolicy: Always spec: template: metadata: labels: app: nginx-pod type: frontend name: nginx-pod spec:

> restartPolicy: Always replicas: 3 selector: matchLabels: type: frontend

containers:

- image: nginx:1.24 name: nginx-pod

spec: template: metadata: labels: app: nginx-pod type: frontend name: nginx-pod spec: containers: - image: nginx:1.24 name: nginx-pod restartPolicy: Always replicas: 3 selector:

matchLabels: type: frontend strategy:

type: RollingUpdate