



节点数, 节点数 .
节点 节点 节点 节点 (Refactoring) 节点 .



k8s 节点 kube scheduling 节点 节点 节点 节点 节点 节点

节点 cordon / drain 节点 节点 .

cordon / drain 节点 , cordon 节点 , drain 节点
节点 节点 . (drain cordon 节点 .)



1. cordon 节点

- 节点 节点 节点

```
$> kubectl get no
NAME      STATUS    ROLES    AGE   VERSION
```

```
masr1 Ready control-plane,master 37d v1.23.7
work1 Ready <none> 37d v1.23.7
work2 Ready <none> 37d v1.23.7
```

- cordon 节点 (work1节点 隔离出来。)

```
$> kubectl cordon work1
node/work1 cordoned

$> kubectl get no
NAME STATUS ROLES AGE VERSION
masr1 Ready control-plane,master 37d v1.23.7
work1 Ready <none> 37d v1.23.7
work2 Ready,SchedulingDisabled <none> 37d v1.23.7
```

2. drain 节点

- 节点 隔离 daemonset节点 隔离 pod节点 隔离 local storage节点 隔离 节点 节点 drain 节点 隔离 节点 节点。
- 节点 节点 节点 PV节点 节点 节点.....

```
kubectl drain work2
node/work2 already cordoned
error: unable to drain node "work2", aborting command...

There are pending nodes to be drained:
k8sw2
cannot delete DaemonSet-managed Pods (use --ignore-daemonsets to ignore): kube-
system/calico-node-fb862, kube-system/kube-proxy-4qhsx, kube-system/nodelocaldns-6cptm
cannot delete Pods with local storage (use --delete-emptydir-data to override): kubernetes-
dashboard/dashboard-metrics-scraper-66dd8bdd86-6cnbv, kubernetes-dashboard/kubernetes-
dashboard-844749bcff-mmpq2
```

- 节点 drain 节点

```
kubectl drain work2 --ignore-daemonsets --delete-emptydir-data
node/work2 already cordoned
```

```
WARNING: ignoring DaemonSet-managed Pods: kube-system/calico-node-fb862, kube-
system/kube-proxy-4qhsx, kube-system/nodelocaldns-6cptm
evicting pod kubernetes-dashboard/kubernetes-dashboard-844749bcff-mmpq2
evicting pod cert-manager/cert-manager-cainjector-75c94654d-r7trs
evicting pod cert-manager/cert-manager-webhook-d4fd4f479-cr6z2
evicting pod gitlab-agent/house-gitlab-agent-v1-586d6d6797-vm68t
evicting pod kube-system/coredns-657959df74-j2zbq
evicting pod kubernetes-dashboard/dashboard-metrics-scraper-66dd8bdd86-6cnbv
pod/cert-manager-cainjector-75c94654d-r7trs evicted
pod/cert-manager-webhook-d4fd4f479-cr6z2 evicted
pod/house-gitlab-agent-v1-586d6d6797-vm68t evicted
pod/kubernetes-dashboard-844749bcff-mmpq2 evicted
pod/dashboard-metrics-scraper-66dd8bdd86-6cnbv evicted
pod/coredns-657959df74-j2zbq evicted
node/work2 evicted
```

3.

-       .

```
kubect! uncordon work2
node/work2 already uncordoned
```

-   

```
$> kubect! get no
NAME   STATUS   ROLES           AGE   VERSION
masr1  Ready   control-plane,master  37d   v1.23.7
work1  Ready   <none>          37d   v1.23.7
work2  Ready   <none>          37d   v1.23.7
```

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