

```

1 Name: k01
2 control-plane,myrole,worker
3 ROLES:
4 beta.kubernetes.io/arch=amd64
5 Labels:
6 beta.kubernetes.io/os=linux
7
8 kubernetes.io/arch=amd64
9 kubernetes.io/hostname=k01
10 kubernetes.io/os=linux
11 node-role.kubernetes.io/control-plane=
12 node-role.kubernetes.io/myrole=
13 node-role.kubernetes.io/worker=
14 node.kubernetes.io/exclude-from-external-load-balancers=
15 Kubeadm.alpha.kubernetes.io/csi-socket: unix:///var/run/crio/crio.sock
16 node.alpha.kubernetes.io/ttl: 0
17 volumes.kubernetes.io/controller-managed-attach-detach: true
18
19 CreationTimestamp: Sun, 10 Dec 2023 13:50:54 +0000
20 Taints: <none>
21 Unschedulable: false
22 Lease:
23
24 HolderIdentity: k01
25 AcquireTime: <unset>
26 RenewTime: Mon, 11 Dec 2023 12:49:32 +0000
27
28 Conditions:
29
30 Type LastHeartbeatTime LastTransitionTime Reason Message
31
32 MemoryPressure False Mon, 11 Dec 2023 12:44:54 +0000 Sun, 10 Dec 2023 13:50:53 +0000 KubeletHasSufficientMemory
33 DiskPressure False Mon, 11 Dec 2023 12:44:54 +0000 Sun, 10 Dec 2023 13:50:53 +0000 KubeletHasNoDiskPressure
34 PIDPressure False Mon, 11 Dec 2023 12:44:54 +0000 Sun, 10 Dec 2023 13:50:53 +0000 KubeletHasSufficientPID
35 Ready True Mon, 11 Dec 2023 12:44:54 +0000 Sun, 10 Dec 2023 13:50:54 +0000 KubeletReady
36
37 Addresses:
38 InternalIP: 192.168.121.212
39
40 Hostname: k01
41 Capacity:
42
43 cpu: 2
44 ephemeral-storage: 39853Mi
45 hugepages-1Gi: 0
46 hugepages-2Mi: 0
47 memory: 2000268Ki
48 pods: 110
49 Allocatable:
50
51 cpu: 2
52 ephemeral-storage: 3761000933

```

Subst labels

base node info: Good for margin

Labels responsible for role definition

3rd party "Labels"

According to labels some actions are taken!!

can add label,

```
42 hugepages-1Gi: 0
43 hugepages-2Mi: 0
44 memory: 1897868Ki
45 pods: 110
46 System Info:
47 Machine ID: f519bdf9486f41e09fac524b733447dc
48 System UUID: f519bdf9-486f-41e0-9fac-524b733447dc
49 Boot ID: fd7ff40c-7934-4b91-bd40-86b0c1cf278a
50 Kernel Version: 6.5.6-300.fc39.x86_64
51 OS Image: Fedora Linux 39 (Cloud Edition)
52 Operating System: linux
53 Architecture: amd64
54 Container Runtime Version: cri-o://1.27.1
55 Kubelet Version: v1.28.4
56 Kube-Proxy Version: v1.28.4
57 PodCIDR: 10.17.0.0/24
58 PodCIDRs: 10.17.0.0/24
59 Non-terminated Pods: (9 in total)
60 Namespace Name CPU Requests CPU Limits Memory Requests Memory Limits Age
61 -----
62 default kuard 0 (0%) 0 (0%) 0 (0%) 0 (0%) 19h
63 default kuard-t2 500m (25%) 1 (50%) 128Mi (6%) 256Mi (13%) 12h
64 kube-system coredns-5dd5756b68-5xp65 100m (5%) 0 (0%) 70Mi (3%) 170Mi (9%) 22h
65 kube-system coredns-5dd5756b68-fmbpq 100m (5%) 0 (0%) 70Mi (3%) 170Mi (9%) 22h
66 kube-system etcd-k01 100m (5%) 0 (0%) 100Mi (5%) 0 (0%) 22h
67 kube-system kube-apiserver-k01 250m (12%) 0 (0%) 0 (0%) 0 (0%) 22h
68 kube-system kube-controller-manager-k01 200m (10%) 0 (0%) 0 (0%) 0 (0%) 22h
69 kube-system kube-proxy-tk67p 0 (0%) 0 (0%) 0 (0%) 0 (0%) 22h
70 kube-system kube-scheduler-k01 100m (5%) 0 (0%) 0 (0%) 0 (0%) 22h
71 Allocated resources:
72 (Total limits may be over 100 percent, i.e., overcommitted.)
73 Resource Requests Limits
74 -----
75 cpu 1350m (67%) 1 (50%)
76 memory 368Mi (19%) 596Mi (32%)
77 ephemeral-storage 0 (0%) 0 (0%)
78 hugepages-1Gi 0 (0%) 0 (0%)
79 hugepages-2Mi 0 (0%) 0 (0%)
80 Events: <none>
```

*container-engine*

*the only 2 kubelet's application running in the node*

*PODS*