


Pod with affinity node selector



podaff

podaff

Pod

- Created: 12/22/2024, 9:36:04 PM

Labels

- pod: aff

Status

- phase: Running
- hostIP: 192.168. [REDACTED]
- podIP: 10.244. [REDACTED]
- podIPs: [{ "ip": "10.244. [REDACTED]" }]
- startTime: 2024-12-22T21:36:04Z
- ready: True

Containers

- name: contaff
- image: nginx
- port: 80 (TCP)

```
adham@master:/adhamk8s$ kubectl label node node1 website=prod
node/node1 labeled
adham@master:/adhamk8s$ kubectl get nodes --show-labels
NAME      STATUS    ROLES    AGE     VERSION   LABELS
master    Ready     control-plane   5d21h   v1.30.8   beta.kubernetes.io/arch=amd64,beta.kubernetes.io/os=linux,kubernetes.io/arch=amd64,kubernetes.io/hostname=master,kubernetes.io/os=linux,node-role.kubernetes.io/control-plane=node.kubernetes.io/exclude-from-external-load-balancers=
node1     Ready     <none>        5d3h    v1.30.8   beta.kubernetes.io/arch=amd64,beta.kubernetes.io/os=linux,kubernetes.io/arch=amd64,kubernetes.io/hostname=node1,kubernetes.io/os=linux,website=prod
adham@master:/adhamk8s$
```

```

apiVersion: v1
kind: Pod
metadata:
  name: podaff
  labels:
    pod: aff
spec:
  containers:
    - name: contaft
      image: nginx
      ports:
        - containerPort: 80
  affinity:
    nodeAffinity:
      requiredDuringSchedulingIgnoredDuringExecution:
        nodeSelectorTerms:
          - matchExpressions:
              - key: website
                operator: In
                values:
                  - prod

```

```

adham@master:/adhamk8s$ vim pod-aff.yml
adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl apply -f pod-aff.yml
pod/podaff created
adham@master:/adhamk8s$ kubectl get pod

```

NAME	READY	STATUS	RESTARTS	AGE
auto-deploy-6bcd5d77b-264k7	1/1	Running	0	53m
auto-deploy-6bcd5d77b-2wkj5	1/1	Running	0	53m
auto-deploy-6bcd5d77b-cx6zh	1/1	Running	0	53m
auto-deploy-6bcd5d77b-w6bhs	1/1	Running	0	53m
dep-ing-79bf94fd84-7cpqv	1/1	Running	0	53m
dep-ing-79bf94fd84-klffc	1/1	Running	0	53m
dep-ing-79bf94fd84-m8ngw	1/1	Running	0	53m
deploy-web-6498fd9b8c-k952b	1/1	Running	0	53m
deploy-web-6498fd9b8c-qpk22	1/1	Running	0	53m
deploy-web-6498fd9b8c-rd7lp	1/1	Running	0	53m
kubeview-78dd597bd8-gswkz	1/1	Running	0	53m
podaff	1/1	Running	0	13s
rollout-deploy-7647484798-9stjn	1/1	Running	0	53m
rollout-deploy-7647484798-fqtkd	1/1	Running	0	53m
rollout-deploy-7647484798-tp6vl	1/1	Running	0	53m

```

adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl get pod -o wide | grep "podaff"
podaff          1/1      Running    0          43s    10.244.1.109    node1    <none>
<none>

```

```
adham@node1:~$ kubectl get pod
```

NAME	READY	STATUS	RESTARTS	AGE
auto-deploy-6bcdb5d77b-264k7	1/1	Running	0	58m
auto-deploy-6bcdb5d77b-2wkj5	1/1	Running	0	58m
auto-deploy-6bcdb5d77b-cx6zh	1/1	Running	0	58m
auto-deploy-6bcdb5d77b-w6bhs	1/1	Running	0	58m
dep-ing-79bf94fd84-7cpqv	1/1	Running	0	58m
dep-ing-79bf94fd84-kllfc	1/1	Running	0	58m
dep-ing-79bf94fd84-m8ngw	1/1	Running	0	58m
deploy-web-6498fd9b8c-k952b	1/1	Running	0	58m
deploy-web-6498fd9b8c-qpk22	1/1	Running	0	58m
deploy-web-6498fd9b8c-rd7lp	1/1	Running	0	58m
kubeview-78dd597bd8-gswkz	1/1	Running	0	58m
podaff	1/1	Running	0	4m48s
rollout-deploy-7647484798-9stjn	1/1	Running	0	58m
rollout-deploy-7647484798-fqtkd	1/1	Running	0	58m
rollout-deploy-7647484798-tp6vl	1/1	Running	0	58m

```
adham@node1:~$ █
```