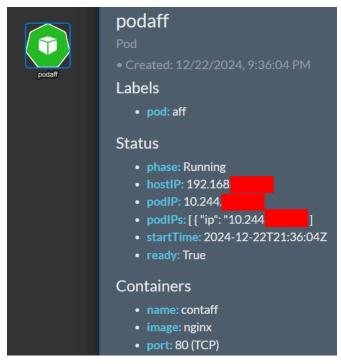
Pod with affinity node selector



```
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=linu
x,kubernetes.io/arch=amd64,kubernetes.io/hostname=master,kubernetes.io/os=linux,node-role.kubernetes.io/cont
rol-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=linu
x,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: contaff
      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
auto-deploy-6bcdb5d77b-264k7 1/1
auto-deploy-6bcdb5d77b-2wkj5 1/1
                                                          STATUS
                                                                        RESTARTS
                                                                                       AGE
53m
                                                          Running
                                                          Running
                                                                                       53m
                                                                        0
auto-deploy-6bcdb5d77b-cx6zh
                                               Running
                                                                        0
                                                                                       53m
auto-deploy-6bcdb5d77b-w6bhs
dep-ing-79bf94fd84-7cpqv
dep-ing-79bf94fd84-kllfc
                                                          Running
                                                                                       53m
                                                                                       53m
                                                          Running
                                                                        0
                                                          Running
                                                                        0
                                                                                       53m
dep-ing-79bf94fd84-m8ngw
deploy-web-6498fd9b8c-k952b
                                                          Running
                                                                        0
                                                                                       53m
                                                          Running
                                                                                       53m
                                                                        0
deploy-web-6498fd9b8c-qpk22
                                                          Running
                                                                                       53m
deploy-web-6498fd9b8c-rd7lp
kubeview-78dd597bd8-gswkz
                                                          Running
                                                                        0
                                                                                       53m
                                                          Running
                                                                        0
                                                                                       53m
                                                                                       13s
podaff
                                                          Running
                                                                        0
                                                                                       53m
53m
rollout-deploy-7647484798-9stjn
                                                                        0
                                                          Running
rollout-deploy-7647484798-fqtkd
rollout-deploy-7647484798-tp6vl
adham@master:/adhamk8s$
                                                          Running
                                                                        0
                                                          Running
                                                                                       53m
adham@master:/adhamk8s$ kubectl get pod -o wide | grep "podaff"
podaff 1/1 Running 0
 podaff
                                                                                       43s
                                                                                                10.244.1.109
                                                                                                                    node1
                                                          Running
                                                                                                                               <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	Θ	58m
auto-deploy-6bcdb5d77b-cx6zh	1/1	Running	Θ	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	Θ	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	Θ	58m
podaff	1/1	Running	0	4m48s
rollout-deploy-7647484798-9stjn	1/1	Running	Θ	58m
rollout-deploy-7647484798-fqtkd	1/1	Running	Θ	58m
rollout-deploy-7647484798-tp6vl adham@node1:~\$ ■	1/1	Running	0	58m