Pod with node selector

podselector
Pod
• Created: 12/23/2024, 10:34:11 PM

Labels
- **zone:** katowice

Status
- **phase:** Running
- **hostIP:** 192.168.
- **podIP:** 10.244.
- **podIPs:** [{ "ip": "10.244
- **startTime:** 2024-12-23T22:34:11Z
- **ready:** True

Containers
- **name:** podselector
- **image:** nginx
- **port:** 80 (TCP)

Full Object Details

```
adham@master:/adhamk8s$ kubectl label node node1 zone=katowice
node/node1 labeled
adham@master:/adhamk8s$ kubectl get node --show-labels
NAME      STATUS    ROLES          AGE      VERSION    LABELS
master    Ready     control-plane  6d22h    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>         6d3h     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,typr=anti,website=prod,zone=k
atowice
adham@master:/adhamk8s$
```

```
apiVersion: v1
kind: Pod
metadata:
  name: podselector
  labels:
    zone: katowice
spec:
  containers:
    - name: podselector
      image: nginx
      ports:
        - containerPort: 80
  nodeSelector:
    zone: katowice
```

```
adham@master:/adhamk8s$ vim podnodeselector.yml
adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl apply -f podnodeselector.yml
pod/podselector created
adham@master:/adhamk8s$
adham@master:/adhamk8s$ kubectl get pod
NAME                              READY    STATUS    RESTARTS           AGE
anti-54c6bff586-76wnf             1/1      Running   0                  165m
anti-54c6bff586-dlzht             1/1      Running   0                  165m
anti-54c6bff586-jqt5b             1/1      Running   0                  165m
anti-54c6bff586-xbz9z             1/1      Running   0                  165m
appv1-5c8d84f987-bdfkb            1/1      Running   0                  129m
appv1-5c8d84f987-glnc4            1/1      Running   0                  129m
appv1-5c8d84f987-hw98j            1/1      Running   0                  129m
appv2-598b497c44-mp4rd            1/1      Running   0                  69m
auto-deploy-6bcdb5d77b-264k7      1/1      Running   2 (3h57m ago)      25h
auto-deploy-6bcdb5d77b-2wkj5      1/1      Running   2 (3h57m ago)      25h
auto-deploy-6bcdb5d77b-cx6zh      1/1      Running   2                  25h
auto-deploy-6bcdb5d77b-w6bhs      1/1      Running   2 (3h57m ago)      25h
dep-ing-79bf94fd84-7cpqv          1/1      Running   2 (3h57m ago)      25h
dep-ing-79bf94fd84-kllfc          1/1      Running   2 (3h57m ago)      25h
dep-ing-79bf94fd84-m8ngw          1/1      Running   2 (3h57m ago)      25h
deploy-web-6498fd9b8c-k952b       1/1      Running   2 (3h57m ago)      25h
deploy-web-6498fd9b8c-qpk22       1/1      Running   2 (3h57m ago)      25h
deploy-web-6498fd9b8c-rd7lp       1/1      Running   2 (3h57m ago)      25h
kubeview-78dd597bd8-gswkz         1/1      Running   2 (3h57m ago)      25h
podaff                            1/1      Running   2 (3h57m ago)      24h
podselector                       1/1      Running   0                  8s
rollout-deploy-7647484798-9stjn   1/1      Running   2 (3h57m ago)      25h
rollout-deploy-7647484798-fqtkd   1/1      Running   2 (3h57m ago)      25h
rollout-deploy-7647484798-tp6vl   1/1      Running   2 (3h57m ago)      25h
adham@master:/adhamk8s$
```

```
adham@master:/adhamk8s$ kubectl get pod podselector -o wide
NAME          READY    STATUS    RESTARTS   AGE    IP          NODE    NOMINATED NODE   READINESS GATES
podselector   1/1      Running   0          36s    10.244.█████   node1   <none>           <none>
adham@master:/adhamk8s$
```