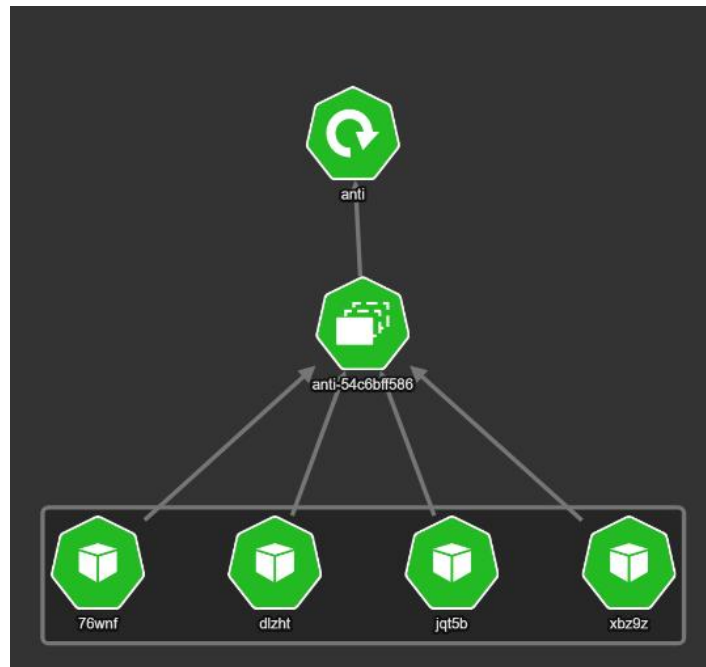


Deploy(pods) with anti-affinity node selector



```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: anti
  labels:
    type: anti
spec:
  replicas: 4
  selector:
    matchLabels:
      type: anti
  template:
    metadata:
      labels:
        type: anti
    spec:
      containers:
        - name: anti-cont
          image: nginx
          ports:
            - containerPort: 80
      affinity:
        podAffinity:
          requiredDuringSchedulingIgnoredDuringExecution:
            - labelSelector:
                matchLabels:
                  type: anti
              topologyKey: "kubernetes.io/hostname"
```

```

adham@master:~$ vim anti-aff.yml
adham@master:~$
adham@master:~$ kubectl label node node1 typr=anti
node/node1 labeled
adham@master:~$
adham@master:~$ kubectl get node --show-labels
NAME      STATUS    ROLES    AGE     VERSION   LABELS
master    Ready     control-plane  6d19h   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>     6d1h    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,typr=anti,website=prod
adham@master:~$

```

```

adham@master:~$ vim anti-aff.yml
adham@master:~$
adham@master:~$ kubectl apply -f anti-aff.yml
deployment.apps/anti created
adham@master:~$
adham@master:~$ kubectl get deploy

```

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
anti	2/4	4	2	10s
auto-deploy	4/4	4	4	4d22h
dep-ing	3/3	3	3	24h
deploy-web	3/3	3	3	4d23h
kubeview	1/1	1	1	5d22h
rollout-deploy	3/3	3	3	4d5h

```

adham@master:~$

```

```

adham@master:~$ kubectl get pod

```

NAME	READY	STATUS	RESTARTS	AGE
anti-54c6bff586-76wnf	1/1	Running	0	108s
anti-54c6bff586-dlzht	1/1	Running	0	108s
anti-54c6bff586-jqt5b	1/1	Running	0	108s
anti-54c6bff586-xbz9z	1/1	Running	0	108s
auto-deploy-6bcd5d77b-264k7	1/1	Running	2 (73m ago)	23h
auto-deploy-6bcd5d77b-2wkj5	1/1	Running	2 (73m ago)	23h
auto-deploy-6bcd5d77b-cx6zh	1/1	Running	2	23h
auto-deploy-6bcd5d77b-w6bhs	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-7cpqv	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-klffc	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-m8ngw	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-k952b	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-qpk22	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-rd7lp	1/1	Running	2 (73m ago)	23h
kubeview-78dd597bd8-gswkz	1/1	Running	2 (73m ago)	23h
podaff	1/1	Running	2 (73m ago)	22h
rollout-deploy-7647484798-9stjn	1/1	Running	2 (73m ago)	23h
rollout-deploy-7647484798-fqtkd	1/1	Running	2 (73m ago)	23h
rollout-deploy-7647484798-tp6vl	1/1	Running	2 (73m ago)	23h

```

adham@master:~$
adham@master:~$ kubectl get pod -o wide

```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE	NOMINATED NOD
E READINESS GATES							
anti-54c6bff586-76wnf	1/1	Running	0	2m	10.244.0.1	node1	<none>
<none>							
anti-54c6bff586-dlzht	1/1	Running	0	2m	10.244.0.2	node1	<none>
<none>							
anti-54c6bff586-jqt5b	1/1	Running	0	2m	10.244.0.3	node1	<none>
<none>							
anti-54c6bff586-xbz9z	1/1	Running	0	2m	10.244.0.4	node1	<none>

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

NAME	READY	STATUS	RESTARTS	AGE
anti-54c6bff586-76wnf	1/1	Running	0	2m12s
anti-54c6bff586-dlzht	1/1	Running	0	2m12s
anti-54c6bff586-jqt5b	1/1	Running	0	2m12s
anti-54c6bff586-xbz9z	1/1	Running	0	2m12s
auto-deploy-6bcd5d77b-264k7	1/1	Running	2 (73m ago)	23h
auto-deploy-6bcd5d77b-2wkj5	1/1	Running	2 (73m ago)	23h
auto-deploy-6bcd5d77b-cx6zh	1/1	Running	2	23h
auto-deploy-6bcd5d77b-w6bhs	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-7cpqv	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-kllfc	1/1	Running	2 (73m ago)	23h
dep-ing-79bf94fd84-m8ngw	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-k952b	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-qpk22	1/1	Running	2 (73m ago)	23h
deploy-web-6498fd9b8c-rd7lp	1/1	Running	2 (73m ago)	23h
kubeview-78dd597bd8-gswkz	1/1	Running	2 (73m ago)	23h
podaff	1/1	Running	2 (73m ago)	22h
rollout-deploy-7647484798-9stjn	1/1	Running	2 (73m ago)	23h
rollout-deploy-7647484798-fqtkd	1/1	Running	2 (73m ago)	23h
rollout-deploy-7647484798-tp6vl	1/1	Running	2 (73m ago)	23h

```
adham@node1:~$ █
```