## LABELS and SELECTORS:

Create two pods with different labels and retrieve through selector.

```
[root@master ~]# cat label_prod.yml
apiVersion: v1
kind: Pod
metadata:
   name: nginx-prod
  labels:
    app: nginx
    environment: production
spec:
  containers:
   image: nginx
   name: nginx
```

```
[root@master ~]# cat label_qa.yml
apiVersion: v1
kind: Pod
metadata:
   name: nginx-qa
   labels:
    app: nginx
    environment: qa
spec:
   containers:
    image: nginx
    name: nginx
```

Pod creation with prod label

# kubectl apply -f label\_prod.yml

[root@master ~]# kubectl apply -f label\_prod.yml
pod/nginx-prod created

Pod creation with qa label

# kubectl apply -f label\_qa.yml

[root@master ~]# kubectl apply -f label\_qa.yml
pod/nginx-qa created

List of Pods

# kubectl get pods

[root@master ~]# kubectl get pods NAME READY STATUS **RESTARTS** AGE 1/1 nginx-prod Running 0 11m 1/1 nginx-qa Running 0 11m [root@master ~]#

List of Pod with help of selector

# kubectl get pods --selector environment=qa

[root@master ~]# kubectl get pods --selector environment=qa NAME READY STATUS RESTARTS AGE nginx-qa 1/1 Running 0 11m

# kubectl get pods --selector environment=production

[root@master ~]# kubectl get pods --selector environment=production NAME READY STATUS RESTARTS AGE nginx-prod 1/1 Running 0 12m

# kubectl get pods --selector app=nginx

```
[root@master ~]# kubectl get pods --selector app=nginx
NAME
             READY
                     STATUS
                               RESTARTS
                                           AGE
             1/1
nginx-prod
                     Running
                               0
                                           12m
                     Running
nginx-qa
             1/1
                               0
                                           12m
```

Imperative command of Label and selector and multiple selector

# kubectl label pods nginx app=web



# kubectl get pods -l app=web

## Use Case of Label and Selector: Replication set

