**Labels and Annotations**

1. Stop and start minikube to refresh all artifacts
2. open minikube dashboard in a new terminal tab
3. check section on pods, deployments, ReplicaSets, nodes
4. Let us first create a few deployments
   1. kubectl create deployment hello-node --image=k8s.gcr.io/echoserver:1.4
   2. kubectl create deployment alpaca-prod --image=gcr.io/kuar-demo/kuard-amd64:1 --replicas=2
   3. kubectl create deployment bandicoot-prod --image=gcr.io/kuar-demo/kuard-amd64:2 --replicas=2
   4. kubectl create deployment bandicoot-staging --image=gcr.io/kuar-demo/kuard-amd64:2 --replicas=1
   5. kubectl get deployments
5. list all pods
   1. kubectl get pods
6. kubectl get nodes --show-labels
   1. list all nodes with the labels
7. kubectl label nodes <your-node-name> <labelkey=value>
   1. kubectl label nodes minikube labeltest=jitendra
8. run step 6 again to see the updated label list
9. check step 3 again
10. click edit in nodes to see if our label is present in YAML
11. on the terminal window
    1. kubectl get deployments --show-labels
12. Add label to deployment
    1. kubectl label deployments alpaca-prod "canary=true"
13. You can also use the -L option to kubectl get to show a label value as a column:
    1. kubectl get deployments -L canary
14. You can remove a label by applying a dash suffix:
    1. kubectl label deployments alpaca-test "canary-"
15. kubectl get pods --show-labels
16. kubectl get pods --selector="<labelkey=value>"
    1. If we specify two selectors separated by a comma, only the objects that satisfy both will be returned. This is a logical AND operation:
17. kubectl get pods --selector="app in (val1,val2)"
    1. We can also ask if a label is one of a set of values. Here we ask for all pods where the app label is set to val1 or val2
    2. Choose the set as per actual name instead of val1 or val2
18. Run step 12
19. kubectl get deployments --selector="canary"
    1. we can ask if a label is set at all. Here we are asking for all of the deployments with the canary label set to anything
20. kubectl delete deployments --all