

image=ubuntu pod from image with deployment // create a kubectl

kubectl basic object commands

kubectl <command> <object>
common commands are get, describe, delete
common objects are pod, service, deployment

kubectl get pods -n=kube-system // list all pods
kubectl describe pod nginx // describe a pod
kubectl delete pod nginx // destroy a pod

kubectl troubleshooting commands

// get into the container running in pod nginx-hlb
kubectl exec -it nginx-hlb /bin/sh
// get logs of container running in pod nginx-hlb
kubectl logs -f nginx-hlb

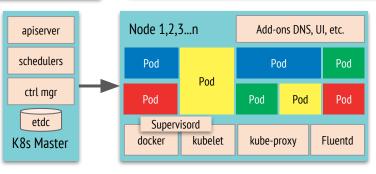


Image Registry

kubectl deployment commands

// undo, pause & resume rolling updates
kubectl rollout [undo|pause|resume] deploy nginx
// scale replicasets to 3 pods
kubectl scale rs nginx --replicas=3

k8s object manifest

```
apiVersion: apps/v1
kind: Deployment // object type
metadata:
  name: my-nginx // name of the deployment
spec:
  replicas: 3 // no of pods in cluster
  selector:
    matchLabels:
      app: nginx // find matching labels to create cluster
  template:
    metadata:
      labels:
         app: nginx // labels used for matching
    spec:
      containers:
      - name: nginx-hlb
         image: nginx:1.7.9 // image name with tag
```

ports:
 containerPort: 80 // port to be exposed