

Kubernetes - Quick Command Reference

Kubectl

kubectl get all

list all objects that you've created. Pods at first, later, ReplicaSets, Deployments and Services

kubectl apply -f <yaml file>

either creates or updates resources depending on the contents of the yaml file

kubectl apply -f .

apply all yaml files found in the current directory Kubernetes

kubectl describe pod <name of pod>

gives full information about the specified pod

kubectl exec -it <pod name> <command>

execute the specified command in the pod's container. Doesn't work well in Cygwin.

kubectl get (pod | po | service | svc | rs | replicaset | deployment | deploy)

get all pods or services. Later in the course, replicaset and deployments.

kubectl get po --show-labels

get all pods and their labels

kubectl get po --show-labels -l {name}={value}

get all pods matching the specified name:value pair

kubectl delete po <pod name>

delete the named pod. Can also delete svc, rs, deploy

kubectl delete po --all

delete all pods (also svc, rs, deploy)

Deployment Management

kubectl rollout status deploy <name of deployment>

get the status of the named deployment

kubectl rollout history deploy <name of deployment>

get the previous versions of the deployment

kubectl rollout undo deploy <name of deployment>

go back one version in the deployment. Also optionally --to-revision=<revision number>

We recommend this is used only in stressful emergency situations! Your YAML will now be out of date with the live deployment!