Cheatography

Kubernetes Cheat Sheet

by forthright48 via cheatography.com/42235/cs/12733/

Creating Objects

Create resources (multiple allowed)	`kubectl create -f ./x.yaml ./y.yaml`
Start a single instance of nginx	`kubectl run nginx --imag e=nginx`
Get the documentation	`kubectl explain pods,svc`

Viewing, Finding Resources

List all services in the namespace	`kubectl get services`
All namespace	`kubectl get pods --all- nam espaces`
More details	`kubectl get pods -o wide`
List Services Sorted by Name	`kubectl get services --sort -by =.m eta dat a .name`
Get using label	`kubectl get pods --sele cto r=a pp= cas sandr a`
Describe commands with verbose output	`kubectl describe nodes my-node`

Updating Resources

Scaling Resources

Scale a replicaset named 'foo' to 3	`kubectl scale --repl icas=3 rs/foo`
Scale a resource specified in "foo.yaml" to 3	`kubectl scale --repl icas=3 -f foo.yaml`
If the deployment named mysql's current size is 2, scale mysql to 3	`kubectl scale --curr ent -re pli cas=2 --r t/mysql`
Scale multiple replication controllers	`kubectl scale --repl icas=5 rc/foo rc/bar`

Deleting Resources

Delete a pod using the type and name specified in pod.json	`kubectl delete -f ./pod.json`
Delete pods and services with same names "-baz" and "-foo"	`kubectl delete pod,se rvice baz foo`
Delete pods and services with label name=m-yLabel	`kubectl delete pods,s ervices -l name=m yl el`
Delete all pods and services in namespace my-ns	`kubectl -n my-ns delete po,svc --all`

Interacting with running Pods

Rolling update pods of frontend-v1	`kubectl rollin g-u pdate fronte nd-v1 -f fronte nd-v2 .jso n`
Change the name of the resource and update the image	`kubectl rollin g-u pdate fronte nd-v1 fronte nd-v2 --imag e=i m age:v2`
Update the pods image of frontend	`kubectl rollin g-u pdate frontend --imag e=i mage:v2`
Abort existing rollout in progress	`kubectl rollin g-u pdate fronte nd-v1 fronte nd-v2 --rollback`
Force replace, delete and then re-create the resource. Will cause a service outage.	`kubectl replace --force -f ./pod.json`
Add a Label	`kubectl label pods my-pod new-la bel =aw esome`
Auto scale a deployment "foo"	`kubectl autoscale deployment foo --min=2 --max=10`

dump pod logs (stdout)	`kubectl logs my-pod`
dump pod container logs (stdout, multi-container case)	`kubectl logs my-pod -c my-con tainer`
stream pod logs (stdout)	`kubectl logs -f my-pod`
Attach to Running Container	`kubectl attach my-pod -i`
Forward port 6000 of Pod to your to 5000 on your local machine	`kubectl port-f orward my-pod 5000:600 0`
Run command in existing pod (1 container case)	`kubectl exec my-pod -- ls /`
Show metrics for a given pod and its containers	`kubectl top pod POD_NAME --cont ainer s`

Sponsored by **CrosswordCheats.com**
Learn to solve cryptic crosswords!
http://crosswordcheats.com