

### Creating Objects

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

### Viewing, Finding Resources

List all services in the namespace	<code>kubectl get services</code>
All namespace	<code>kubectl get pods --all-namespaces</code>
More details	<code>kubectl get pods -o wide</code>
List Services Sorted by Name	<code>kubectl get services --sort-by=.metadata.name</code>
Get using label	<code>kubectl get pods --selector=app=cassandra</code>
Describe commands with verbose output	<code>kubectl describe nodes my-node</code>

### Updating Resources

Rolling update pods of frontend-v1	<code>kubectl rolling-update frontend-v1 -f frontend-v2.json</code>
Change the name of the resource and update the image	<code>kubectl rolling-update frontend-v1 frontend-v2 --image=image:v2</code>
Update the pods image of frontend	<code>kubectl rolling-update frontend --image=image:v2</code>
Abort existing rollout in progress	<code>kubectl rolling-update frontend-v1 frontend-v2 --rollback</code>
Force replace, delete and then re-create the resource. Will cause a service outage.	<code>kubectl replace --force -f ./pod.json</code>
Add a Label	<code>kubectl label pods my-pod new-label=awesome</code>
Auto scale a deployment "foo"	<code>kubectl autoscale deployment foo --min=2 --max=10</code>

### Scaling Resources

Scale a replicaset named 'foo' to 3	<code>kubectl scale --replicas=3 rs/foo</code>
Scale a resource specified in "foo.yaml" to 3	<code>kubectl scale --replicas=3 -f foo.yaml</code>
If the deployment named mysql's current size is 2, scale mysql to 3	<code>kubectl scale --current-replicas=2 --replicas=3 deployment/mysql</code>
Scale multiple replication controllers	<code>kubectl scale --replicas=5 rc/foo rc/bar rc/baz</code>

### Deleting Resources

Delete a pod using the type and name specified in pod.json	<code>kubectl delete -f ./pod.json</code>
Delete pods and services with same names "baz" and "foo"	<code>kubectl delete pod,service baz foo</code>
Delete pods and services with label name=myLabel	<code>kubectl delete pods,services -l name=myLabel</code>
Delete all pods and services in namespace my-ns	<code>kubectl -n my-ns delete po,svc --all</code>

### Interacting with running Pods

dump pod logs (stdout)	<code>kubectl logs my-pod</code>
dump pod container logs (stdout, multi-container case)	<code>kubectl logs my-pod -c my-container</code>
stream pod logs (stdout)	<code>kubectl logs -f my-pod</code>
Attach to Running Container	<code>kubectl attach my-pod -i</code>
Forward port 6000 of Pod to your to 5000 on your local machine	<code>kubectl port-forward my-pod 5000:6000</code>
Run command in existing pod (1 container case)	<code>kubectl exec my-pod -- ls /</code>
Show metrics for a given pod and its containers	<code>kubectl top pod POD_NAME --containers</code>

