Kubernetes Command Cheatsheet

Command	Description
`minikube start`	Starts the Kubernetes Cluster
`kubectl get <nodes | pods | deployment | services>`	General Info about the specified objects
`kubectl get <node | pod | deployment> <name>`	Info about the specified object
`kubectl create deployment <name> --image=<image-url>`	Deploys Image to cluster
`kubectl proxy`	Exposes API on Cluster for manual communication
`kubectl exec <podname> -- <command>`	Executes terminal command in specified pod (Very helpful: `kubectl exec -ti <podname> -- bash` starts a terminal session)
`kubectl expose deployment/<deploymentname> -type="<type>"`	Exposes deployment API to the internet. Available types: • ClusterIP: Exposes API to the Cluster • NodePort: Exposes API to the internet under `NodeIP:NodePort` (NodePort can be set by `--port <port>` • LoadBalancer: Load Balancing requests to Service • ExternalName: Maps CNAME Record to node IP All types in this are supersets of their predecessor
`kubectl label pods <podname> <label>=<value>`	Adds a label to a pod
`kubectl delete <node | pod | deployment | service> <name>`	Deletes the specified object
`kubectl scale deployments/<deploymentname> --replicas=<number>`	Scales the deployment to the specified number of replicas
`kubectl set image <deployment>=<imageurl>`	Updates the specified deployment (It's reccomended to have at least 2 replicas for this)
`kubectl apply (-f <file> | -k <dir>)`	Applies config files (JSON or YAML) optional: `-l <label>=<value>` to target specific labeled pods