Commands that I learned about Kubernetes:

Pods

Kubectl get nodes- To get all nodes deployed

Vim pod.yml- To describe pod settings

It contains :

Api Version

Kind

meta data, name, spec

containers, name, image , ports , containers port

kubectl create -f pod.yml : To Create specified Pod.

Kubectl get pods: To get running pods.

Kubectl describe pods: To describe info of pods.

Kubectl get pods/hello.pod: For specific pod. (Where hello is name of pod)

Kubectl get pods all – namespaces: For description of all pods.

If we wish to create Replica of pod,

Vim rc.yml: To create Replication Controller

In description,

In kind part we have to write Replication Controller and in Spec specify replica as desired.As shown below:

Kind: Replication Controller

Spec:

Replicas:5

Kubectl delete pods hello-pod: To delete specific pod.

kubectl create -f rc.yml : To Create Replication Controller.

Kubectl describe rc.yml: To get description of Replication Controller.

To change in settings of previously deployed Replication Controller:

Vim rc.yml

kubectl apply -f rc.yml

Services in Kubernetes:

Kubectl expose rc hello.rc –name.hello -svc—target-port=8080 –type NodePort: To create Service.

Kubectl describe svc hello.svc: To get description of service.

Kubectl get svc: To get running Service.

Kubectl delete: To delete.

Vim svc.yml: To fill service settings.

kubectl create -f svc.yml : To Create Service.

There are 3 types of Service:

Cluster IP:

Default.

Provide Stable IP.

NodePort: Expose app outside of cluster by adding cluster wide port on top of Cluster IP.

LoadBalancer: Integrates NodePort with Cloud based balancers.

Note: I have just learnt these commands, will implement further.