Kubernets

node commands

- get the list of nodes

```
> kubectl get nodes
```

- get details of a selected node

```
> kubectl describe node <node name>
```

pod commands

- get the list of all pods

```
# get the basic details
> kubectl get pods

# get more details like ip address
> kubectl get pods -o wide
```

- create a basic pod

```
apiVersion: v1
kind: Pod
metadata:
  name: pod1
spec:
  containers:
    - name: pod1-container
      image: httpd
```

```
> kubectl create -f <file name>
```

- get the details of a pod

```
> kubectl describe pod <pod name>
```

- delete a pod

```
> kubectl delete pod <pod name>
```

replication controller commands

- get the list of replication controllers

```
> kubectl get replicationcontroller
> kubectl get rc
```

- get details of selected controller

```
> kubectl describe replicationcontroller <name>
> kubectl describe rc <name>
```

- delete selected replication controller

```
> kubectl delete replicationcontroller <name>
> kubectl delete rc <name>
```

exercise

- create a pod with image nginx