

In order to run and manage containers with Kubernetes, you will need to use pods. In this lesson, we discuss the basics of what pods are and how they are related to containers within the world of Kubernetes. We will create a simple pod and then we will look at some ways to explore and interact with pods in your Kubernetes cluster.

Here are the commands used in this lesson:

- Create a simple pod running an nginx container:

```
cat << EOF | kubectl create -f -
apiVersion: v1
kind: Pod
metadata:
  name: nginx
spec:
  containers:
  - name: nginx
    image: nginx
EOF
```

- Get a list of pods and verify that your new nginx pod is in the `Running` state:

```
kubectl get pods
```

- Get more information about your nginx pod:

```
kubectl describe pod nginx
```

- Delete the pod:

```
kubectl delete pod nginx
```