

## CREATING A DEPLOYMENT

### Steps for Master

**Step 1:** Create a file, nginx.yaml and enter the following code

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
  labels:
    app: nginx
spec:
  replicas: 3
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx:1.7.9
          ports:
            - containerPort: 80
```

**Step 2:** Create the deployment using the following command:

```
$ kubectl create -f nginx.yaml
```

```
ubuntu@ip-172-31-11-83: ~  
ubuntu@ip-172-31-11-83:~$ kubectl create -f nginx.yaml  
deployment.apps/nginx-deployment created  
ubuntu@ip-172-31-11-83:~$
```

**Step 3:** Verify the procedure, by listing the pods:

```
$ kubectl get po
```

```
ubuntu@ip-172-31-11-83: ~  
ubuntu@ip-172-31-11-83:~$ kubectl get po  
NAME                                READY   STATUS    RESTARTS   AGE  
nginx-deployment-76bf4969df-54pjc   1/1     Running   0           73s  
nginx-deployment-76bf4969df-7qgzx   1/1     Running   0           73s  
nginx-deployment-76bf4969df-x94p5   1/1     Running   0           73s  
ubuntu@ip-172-31-11-83:~$
```

You have successfully deployed nginx on Kubernetes!!