

# Create Kubernetes Deployment

## Create a deployment file

```
vim deployment.yaml
```

```
apiVersion: apps/v1
```

```
kind: Deployment
```

```
metadata:
```

```
  name: nginx-deploy
```

```
spec:
```

```
  replicas: 3
```

```
  selector:
```

```
    matchLabels:
```

```
      app: nginx
```

```
  template:
```

```
    metadata:
```

```
      labels:
```

```
        app: nginx
```

```
    spec:
```

```
      containers:
```

```
        - name: nginx
```

```
          image: nginx:1.9.1
```

```
          ports:
```

```
            - containerPort: 80
```

## Create a deployment:

```
kubectl apply -f deployment.yaml
```

```
kubectl get deployment
```

```
kubectl get pods
```

```
kubectl scale deployment nginx-deploy --replicas=5
```

```
kubectl get deploy
```

```
kubectl get pods
```