While deployments provide a great way to automate the management of your pods, you need a way to easily communicate with the dynamic set of replicas managed by a deployment. This is where services come in. In this lesson, we will discuss what services are in Kubernetes, demonstrate how to create a simple service, and explore that service in our own cluster.

Here are the commands used in the demonstration:

- Create a NodePort service on top of your nginx pods:

```
cat << EOF | kubectl create -f -
kind: Service
apiVersion: v1
metadata:
  name: nginx-service
spec:
  selector:
    app: nginx
  ports:
  - protocol: TCP
    port: 80
    targetPort: 80
    nodePort: 30080
  type: NodePort
EOF
```

- Get a list of services in the cluster.

```
kubectl get svc
```

You should see your service called `nginx-service`.

- Since this is a NodePort service, you should be able to access it using port 30080 on any of your cluster's servers. You can test this with the command:

```
curl localhost:30080
```

You should get an HTML response from nginx!