

## Creating a Kubernetes service

Let's create a K8s service to expose the identity microservice to the outside world.

### In Play.Identity repo

1. Add 3 dashes (---) at the end of yaml
2. Generate a service resource in yaml:  
Type "Kubernetes Service" in the yaml
3. Define the service:

```
---
apiVersion: v1
kind: Service
metadata:
  name: identity-service
spec:
  type: LoadBalancer
  selector:
    app: identity
  ports:
    - port: 80
      targetPort: 5002
```

4. Apply the configuration:  
  
`kubectl apply -f .\kubernetes\identity.yaml -n $namespace`
5. List the services:  
  
`kubectl get services -n identity`

### In Postman

6. Request a new access token using the K8s service IP
7. Query the users using the K8s service IP
8. Commit and push.

In the next module you will add health checks to your microservices to help Kubernetes determine the health of each of your pods.