

Order pod :

```
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- wget -qO- http://product
Product Service: connected to DB
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- nc -zv db 3306
db (10.103.238.138:3306) open
○ deploy@UB2:~/K8s-task$
```

Product pod:

```
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- nc -zv db 3306
db (10.103.238.138:3306) open
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- wget -qO- http://order
order Service: connected to product+ DB
○ deploy@UB2:~/K8s-task$
```

Frontend pod:

```
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- wget -qO- http://order
order Service: connected to product+ DB
● deploy@UB2:~/K8s-task$ kubectl exec -it test -- wget -qO- http://product
Product Service: connected to DB
```

Hit the web page

```
● deploy@UB2:~/K8s-task$ curl http://192.168.49.2:30080
<!DOCTYPE html>
<html>
  <head><title>Simple</title></head>
  <body>
    <h1>Hello from NGINX!</h1>
    <p><a href="/products">Product Service</a></p>
    <p><a href="/orders">Order Service</a></p>
    <h1>Frontend connected to Product + Order</h1>
  </body>
</html>
● deploy@UB2:~/K8s-task$ curl http://192.168.49.2:30080/product
Product Service: connected to DB
● deploy@UB2:~/K8s-task$ curl http://192.168.49.2:30080/order
order Service: connected to product+ DB
```

Pods and services:

```
● deploy@UB2:~/K8s-task$ kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
db-5df8f69f77-4qmpg                1/1     Running   1 (44m ago) 3h59m
frontend-deploy-df84cff9b-vkphr     1/1     Running   0           4m9s
order-deploy-c96c44ccc-f2z2n        1/1     Running   1 (44m ago) 3h59m
product-deploy-847db7f64-7gslb      1/1     Running   1 (44m ago) 3h59m
test                                1/1     Running   2 (44m ago) 4h44m

● deploy@UB2:~/K8s-task$ kubectl get svc
NAME      TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
db        ClusterIP   10.103.238.138 <none>        3306/TCP         3h59m
frontend  NodePort    10.105.0.191  <none>        80:30080/TCP     3h59m
kubernetes ClusterIP   10.96.0.1     <none>        443/TCP          5h13m
order     ClusterIP   10.108.254.69 <none>        80/TCP           3h59m
product   ClusterIP   10.106.135.151 <none>        80/TCP           3h59m

● deploy@UB2:~/K8s-task$ kubectl get cm
NAME            DATA   AGE
kube-root-ca.crt 1       4d22h
nginx-defaultconf 2       132m

○ deploy@UB2:~/K8s-task$
```