

Kubernetes wefox-challenge

The estimated time to deploy the entire environment described in this procedure is around 2 hours. VirtualBox and Minikube are the environments used for it.

hello.wefox.localhost procedure:

1. To setup the minikube cluster run the following command in your console:

```
minikube start -p wefox-challenge-cluster --extra-config=apiserver.service-node-port-range=1-65535 --driver=virtualbox
```

| | |
|---|----------------------------|
| <code>-p wefox-challenge-cluster</code> | to define the cluster name |
| <code>--extra-config=apiserver.service-node-port-range=1-65535</code> | to define the range IP |
| <code>--driver=virtualbox</code> | to define the environment |

2. Run the command `minikube ip -p wefox-challenge-cluster` to obtain the minikube IP
X.X.X.X
3. In your local machine edit the directory `/etc/hosts` (linux) and add the following entry to it

X.X.X.X hello.wefox.localhost
4. From the github repository <https://github.com/vbz10/http-echo.git> download the .yaml deployment file.

5. Allocate the .yaml deployment file in a local directory in your machine

6. From your local directory run the following command to run the hello.wefox.localhost app

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

7. Run the command `curl http://hello.wefox.localhost:8081` to obtain the output

```
root# curl http://hello.wefox.localhost:8081
hello world
```

Note: For future versions 0.2.1 and then 0.2.3 follow this procedure from step 4 to 7