

Section 6. „Running Simple Applications in Minikube”

Links:

<https://github.com/pythonincontainers/flask-hello>

<https://github.com/pythonincontainers/k8s-simple>

Commands:

```
$ minikube dashboard # In separate Terminal/PowerShell window

$ kubectl run --image pythonincontainers/simple-flask:v1.1 hello

$ kubectl run --image pythonincontainers/simple-flask:v1.1
hello2

# ping -c 1 172.17.0.5

# curl 172.17.0.5:5000/test # Update Container IP address, if
necessary

# ping -c 1 <hello....>

# exit

$ kubectl delete deployment hello2

$ kubectl delete deployment hello

$ git clone https://github.com/pythonincontainers/k8s-simple

$ cd k8s-simple

$ atom .

$ kubectl apply -f flask-hello/hello-replica-set.yml

$ kubectl apply -f hello-pod.yml

$ kubectl get pods

$ kubectl apply -f flask-hello/hello-service.yml

$ kubectl apply -f flask-hello/hello-ingress.yml
```

Python in Containers Course Materials

```
$ minikube ip  
  
$ kubectl apply -f flask-hello/hello-replica-set.yml  
  
$ kubectl delete -f flask-hello/hello-ingress.yml  
  
$ kubectl delete -f flask-hello/hello-service.yml  
  
$ kubectl delete -f flask-hello/hello-replica-set.yml  
  
$ kubectl apply -f flask-hello  
  
$ kubectl delete -f flask-hello  
  
$ kubectl apply -f hello-everything.yml  
  
$ kubectl apply -f hello-ingress-path.yml  
  
$ kubectl delete -f hello-ingress-path.yml  
  
$ kubectl delete -f hello-everything.yml
```