

[CS304] Practice 13 - k8s

This practice should be checked **onsite during labs**. You could check the practice by week 14.
Submissions after week 14 will be considered as late submission.

Task:

Use your Teedy image on DockerHub you have created on lab exercise 12.

Deploy it on your local machine with Jenkins and K8s.

Evaluation:

You should show us:

1. The service you are running:

```
lab@labtop: ~  
lab@labtop:~$ kubectl expose deployment hello-node --type=LoadBalancer --port=8080  
service/hello-node exposed  
lab@labtop:~$ kubectl get services  
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE  
hello-node    LoadBalancer 10.103.154.87  <pending>      8080:31787/TCP   7s  
kubernetes    ClusterIP      10.96.0.1     <none>         443/TCP          81m  
lab@labtop:~$ minikube service hello-node  
|-----|  
| NAMESPACE | NAME      | TARGET PORT | URL  
|-----|  
| default   | hello-node | 8080        | http://192.168.49.2:31787  
|-----|  
🚀 Starting tunnel for service hello-node.  
|-----|  
| NAMESPACE | NAME      | TARGET PORT | URL  
|-----|  
| default   | hello-node | 8080        | http://127.0.0.1:38481  
|-----|  
🌐 Opening service default/hello-node in default browser.  
/usr/bin/xdg-open: 882: x-www-browser: not found  
/usr/bin/xdg-open: 882: firefox: not found  
/usr/bin/xdg-open: 882: iceweasel: not found
```

2. Your Teedy in the web browser.
3. Your Jenkins running result:

		Declarative: Checkout SCM	Start Minikube	Set Image	Verify
Average stage times: (Average <u>full</u> run time: ~10s)		2s	970ms	368ms	652ms
#3	5月 09 日 09:41	No Changes			
		2s	970ms	368ms	652ms