

Lab 1. Install Rancher Quick-Start

0. Pre-work

- Login vm01 and vm02 as root

@vm01 && @vm02

- Check and update Your IP Address in ./setup.sh

```
$ ./setup.sh
```

- Login vm01 as k8sadm / 1

@vm01

```
$ ssh-keygen
$ ssh-copy-id vm01
$ ssh-copy-id vm02
```

- Get Lab Docs & Sources

```
$ wget https://github.com/flytux/rancher-training/\
archive/refs/tags/rev2.zip
$ cd rancher-training-rev2
```

- zsh environment setting

```
$ tar xvf charts/code-server/scripts/dev-shell.tgz -C ~
$ zsh
```

- bash environment setting

```
$ cat config/bashrc-k8s >> ~/.bashrc
$ source ~/.bashrc
```

1. Install rancher quick-start

```
$ docker run -d --name rancher --privileged -p 8080:80 -p 8443:443 \
rancher/rancher
$ docker logs rancher 2>&1 | grep "Bootstrap Password:"
```

- login `http://vm01:8080`
- change password
- Cluster : local > Copy KubeConfig to Clipboard

```
$ mkdir ~/.kube  
$ vi ~/.kube/config  
# Paste Clipboard & Save Quit
```

2. Check Cluster

```
$ kubectl get pods -A  
$ kubectl get nodes  
$ kubectl get cs  
$ kubectl cluster-info
```

3. Deploy workload

```
$ kubectl create deployment nginx --image nginx --port 80  
$ kubectl expose deployment nginx  
$ kubectl get svc  
$ kubectl get pods  
$ kubectl exec -it $(kubectl get pods -l app=nginx -o name) -- bash  
$ curl -v nginx
```