

## A2. Install Rancher in cluster HA

Rancher HA installation inside management cluster (Default number of replicas : 3)

Rancher / Cert-Manager helm charts (Cert-Manager generates and rotates self-signed certificates for rancher)

Rancher managed information stored in management cluster as CRD kubernetes objects

### 1) Check cluster

@vm01

```
$ sed -i 's/default/k3s/g' ~/.kube/config
$ kc k3s
```

### 2) Install cert-manager / Rancher with helm

```
$ k apply -f charts/cert-manager/cert-manager-v1.8.2.yaml
$ k get pods -n cert-manager
$ k get pods -n cert-manager -w

$ helm install rancher -f charts/rancher/values.yaml ./charts/rancher/ -n
cattle-system --create-namespace
$ kn cattle-system
$ k get pods
```

### 3) Check Rancher

```
$ k logs -f $(kubectl get pods -l app=rancher -o name)
```

- <https://rancher.vm01>