

# 部署k8s-v1.20.15

## 部署k8s和calico

```
wget iovhm.com/uploads/software/k8s/v1.20.15/google_containers.tar.gz  
wget iovhm.com/uploads/software/k8s/v1.20.15/calico.tar.gz
```

## 部署k8s

### 1. 部署k8s

### 2. 部署组件

```
docker tag registry.aliyuncs.com/google_containers/kube-apiserver:v1.20.15  
harbor.iovhm.com:5000/google_containers/kube-apiserver:v1.20.15  
docker tag registry.aliyuncs.com/google_containers/kube-controller-manager:v1.20.15  
harbor.iovhm.com:5000/google_containers/kube-controller-manager:v1.20.15  
docker tag registry.aliyuncs.com/google_containers/kube-scheduler:v1.20.15  
harbor.iovhm.com:5000/google_containers/kube-scheduler:v1.20.15  
docker tag registry.aliyuncs.com/google_containers/kube-proxy:v1.20.15  
harbor.iovhm.com:5000/google_containers/kube-proxy:v1.20.15  
docker tag registry.aliyuncs.com/google_containers/pause:3.2  
harbor.iovhm.com:5000/google_containers/pause:3.2  
docker tag registry.aliyuncs.com/google_containers/etcd:3.4.13-0  
harbor.iovhm.com:5000/google_containers/etcd:3.4.13-0  
docker tag registry.aliyuncs.com/google_containers/coredns:1.7.0  
harbor.iovhm.com:5000/google_containers/coredns:1.7.0
```

### 3. 部署组件

```
docker save harbor.iovhm.com:5000/google_containers/kube-apiserver:v1.20.15 > kube-apiserver:v1.20.15.tar
```

```
docker save harbor.iovhm.com:5000/google_containers/kube-controller-manager:v1.20.15 > kube-controller-manager:v1.20.15.tar
docker save harbor.iovhm.com:5000/google_containers/kube-scheduler:v1.20.15 > kube-scheduler:v1.20.15.tar
docker save harbor.iovhm.com:5000/google_containers/kube-proxy:v1.20.15 > kube-proxy:v1.20.15.tar
docker save harbor.iovhm.com:5000/google_containers/pause:3.2 > pause:3.2.tar
docker save harbor.iovhm.com:5000/google_containers/etcd:3.4.13-0 > etcd:3.4.13-0.tar
docker save harbor.iovhm.com:5000/google_containers/coredns:1.7.0 > coredns:1.7.0.tar
```

#### 4 [ ] [ ] [ ] [ ] [ ] [ ]

#### 5 [ ] [ ] [ ] [ ] [ ]

```
docker load < kube-apiserver:v1.20.15.tar
docker load < kube-controller-manager:v1.20.15.tar
docker load < kube-scheduler:v1.20.15.tar
docker load < kube-proxy:v1.20.15.tar
docker load < pause:3.2.tar
docker load < etcd:3.4.13-0.tar
docker load < coredns:1.7.0.tar
```

#### 6 [ ] [ ] harbor [ ] [ ] [ ] [ ]

```
curl -u "admin:Harbor12345" -X POST "http://your-harbor-domain/api/v2.0/projects" -H "Content-Type: application/json" -d '{"project_name": "google_containers","public": true}'
```

#### 7 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

```
docker push harbor.iovhm.com:5000/google_containers/kube-apiserver:v1.20.15
docker push harbor.iovhm.com:5000/google_containers/kube-controller-manager:v1.20.15
docker push harbor.iovhm.com:5000/google_containers/kube-scheduler:v1.20.15
docker push harbor.iovhm.com:5000/google_containers/kube-proxy:v1.20.15
docker push harbor.iovhm.com:5000/google_containers/pause:3.2
docker push harbor.iovhm.com:5000/google_containers/etcd:3.4.13-0
docker push harbor.iovhm.com:5000/google_containers/coredns:1.7.0
```

## 1 calico

### 1

### 2

```
docker tag calico/kube-controllers:v3.21.6 harbor.iovhm.com:5000/hub/calico/kube-controllers:v3.21.6
docker tag calico/cni:v3.21.6 harbor.iovhm.com:5000/hub/calico/cni:v3.21.6
docker tag calico/pod2daemon-flexvol:v3.21.6 harbor.iovhm.com:5000/hub/calico/pod2daemon-flexvol:v3.21.6
docker tag calico/node:v3.21.6 harbor.iovhm.com:5000/hub/calico/node:v3.21.6
```

### 3

```
docker save harbor.iovhm.com:5000/hub/calico/kube-controllers:v3.21.6 > kube-controllers:v3.21.6.tar
docker save harbor.iovhm.com:5000/hub/calico/cni:v3.21.6 > cni:v3.21.6.tar
docker save harbor.iovhm.com:5000/hub/calico/pod2daemon-flexvol:v3.21.6 > pod2daemon-flexvol:v3.21.6.tar
docker save harbor.iovhm.com:5000/hub/calico/node:v3.21.6 > node:v3.21.6.tar
```

### 4

### 5

```
docker load < kube-controllers:v3.21.6.tar
docker load < cni:v3.21.6.tar
docker load < pod2daemon-flexvol:v3.21.6.tar
docker load < node:v3.21.6.tar
```

## 6 harbor

```
curl -u "admin:Harbor12345" -X POST "http://your-harbor-domain/api/v2.0/projects" -H "Content-Type: application/json" -d '{"project_name": "hub", "public": true}'
```

### 7

```
docker push harbor.iovhm.com:5000/hub/calico/cni:v3.21.6
```

```
docker push harbor.iovhm.com:5000/hub/calico/pod2daemon-flexvol:v3.21.6
```

```
docker push harbor.iovhm.com:5000/hub/calico/node:v3.21.6
```

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## #8

## 3 2024 02:10:11

## 17 2025 11:26:16