

docker swarm

K8S 環境

Centos7

```
# docker start [id] /visualizer
```

```
# docker rm -f [id]
```

```
# docker node ls
```

```
service ls
```

```
# docker service rm [NAME]
```

```
# docker ps
```

chrome search ip

```
# docker service create --replicas 3 --name web1 -p 8000:80 httpd
```

```
# docker service ls
```

chrome search ip:8000

```
# docker service create --mode global --name web2 -p 8001:80 httpd
```

Centos7 關閉

開啟

global 會不見，不會跑到別台機器，replicas 會跑到別台  
global 會從新出現，replicas 不會回來

## Rolling update

Centos7

```
# docker service rm web1  
web2
```

```
# docker run -itd -p 8088:80 httpd
```

```
# docker exec -it [id] bash
```

```
# cd /etc/httpd/
```

```
# echo "v1 version" > index.html
```

```
# exit
```

```
# docker commit [id] httpd:v1
```

```
# docker images  
httpd:v1
```

```
# docker exec -it [id] bash
```

```
# cd /etc/httpd/
```

```
# echo "v2 version" > index.html
```

```
# exit
```

```
# docker commit [id] httpd:v2
```

```
# docker images  
httpd:v2
```

生成 image httpd:v1

生成 image httpd:v2

看 image 能不能运行

```
# docker rm -f [id]
```

```
# docker run -itd -p 8000:80 httpd:v1
```

```
# docker run -itd -p 8001:80 httpd:v2
```

打包 image

```
# docker save httpd:v1 > httpdv1.tar
```

```
# docker save httpd:v2 > httpdv2.tar
```

centos7

```
# scp httpdv1.tar user@centos7-2 ip:/tmp
```

yes

```
# scp httpdv2.tar user@centos7-2 ip:/tmp
```

yes

```
# scp httpdv1.tar user@centos7-3 ip:/tmp
```

yes

```
# scp httpdv2.tar user@centos7-3 ip:/tmp
```

yes

centos7-2.7-3

```
# docker load < httpdv1.tar
```

```
# docker load < httpdv2.tar
```

```
# docker images
```

centos7

```
# docker service create --replicas 3 --name web -p 8000:80 httpd:v1
```

chrome search ip:8000/index.html

v1 version

```
# docker service update --image httpd:v2 web
```

chrome search ip:8000/index.html

v2 version

```
# docker service ps web
```

滚动更新

回到原本的版本

```
# docker service update --rollback web
```

```
# docker service ps web
```

--update-delay 下次更新延遲時間  
--update-parallelism 一次更新的數量

---

## label

節點打標籤

```
# docker node update --label-add env=test centos7-2  
prod 7-3
```

用漂亮格式詳細的顯示節點

```
# docker node inspect centos7-2 --pretty  
7-3
```

命令指定節點新建服務

```
# docker service create --constraint node.labels.env==test --replicas 3 --name myweb -p 8000:80 httpd
```

移除條件

```
# docker service update --constraint-rm node.labels.env==test myweb
```

新增條件

```
# docker service update --constraint-add node.labels.env==prod myweb
```

移除標籤

```
# docker node update --label-rm env centos7-2  
# docker node update --label-rm env centos7-3
```