



CloudOS5.0 搭建独立Harbor镜像仓库及使用

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组网及说明

配置步骤

CloudOS5.0 E5133H01 PaaS层搭建KaaS集群后使用独立harbor镜像仓库。

默认搭建的CloudOS之后，会有1个和cloudos共享的Harbor镜像仓库，但是由于担心客户误操作导致cloudos的镜像仓库内的镜像故障，进而导致集群状态不正常，需要搭建一套独享的Harbor镜像仓库。

准备工作：

由于实验环境没有DNS域名解析，harbor将采用主机名的方式访问，修改主机名和hosts文件。

```
[root@harbor ~]# vi /etc/hostname
harbor.dashi.com
[root@harbor ~]# hostname harbor.dashi.com
[root@harbor ~]# vi /etc/hosts
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
10.2.12.240 harbor.dashi.com
```

一、下载Harbor离线安装包

<https://github.com/goharbor/harbor/releases/download/v2.2.0/harbor-offline-installer-v2.2.0.tgz>

二、上传Harbor离线包到Harbor镜像服务器

```
Shell v Copy Caption ***
[root@dashi-Harbor home]# ll
total 595892
drwxr-xr-x 4 root root 42 Feb 15 10:45 castools
drwx----- 4 centos centos 90 Feb 15 10:43 centos
-rw-r--r-- 1 root root 610192663 Feb 15 10:48 harbor.v2.2.0.tar.gz
[root@dashi-Harbor home]# pwd
/home
[root@dashi-Harbor home]#
```

三、确定安装位置

在/home下解压Harbor软件

```
[root@harbor harbor]# tar -xvf harbor-offline-installer-v1.10.10.tgz
[root@harbor harbor]# ll
total 595892
drwxr-xr-x 4 root root 42 Feb 15 10:45 castools
drwx----- 4 centos centos 90 Feb 15 10:43 centos
drwxr-xr-x 4 root root 171 Feb 15 12:40 harbor
-rw-r--r-- 1 root root 610192663 Feb 15 10:48 harbor.v2.2.0.tar.gz
```

四、修改harbor.yml

```
[root@harbor harbor]# cp harbor.yml.tpl harbor.yml
[root@harbor harbor]# vi harbor.yml
# The IP address or hostname to access admin UI and registry service.
# DO NOT use localhost or 127.0.0.1, because Harbor needs to be accessed by external clients
hostname: harbor.dashi.com
https:
  # https port for harbor, default is 443
  port: 443
  # The path of cert and key files for nginx
  certificate: /home/harbor/data/ssl/tls.cert
  private_key: /home/harbor/data/ssl/tls.key

# The default data volume
data_volume: /home/harbor/data
```

五、使用prepare脚本进行环境检查

```
[root@dashi-Harbor harbor]# ./prepare
prepare base dir is set to /home/harbor
Clearing the configuration file: /config/log/logrotate.conf
Clearing the configuration file: /config/log/rsyslog_docker.conf
Clearing the configuration file: /config/nginx/nginx.conf
```

六. 使用install脚本安装Harbor