



# CloudOS 部署iaas失败

刘琪 2022-01-24 发表

## 组网及说明

5132P02 对接nas存储

## 问题描述

### CloudOS 部署iaas组件失败

<a href="#">↑ 返回</a>	 <b>cloudos-iaas</b> 1494f54a-10cc-4908-b5d4-d5e91496	<span style="color: red;">部署失败</span>					
组织:	root	创建者:	admin	创建时间:	2022-01-24 12:16:38	更新时间:	2022-01-24 14:07:21

## 过程分析

1、后台查看iaas组件的pod状态，发现glance的pod未处于1/1的状态

```
[root@cloud03 ~]# pod | grep iaas
cloudos-iaas      os-barbican-5d7698457b-w76xj          1/1      Running    0          1h
cloudos-iaas      os-bingo-5f978bbddd-cfqgv            1/1      Running    0          1h
cloudos-iaas      os-cas-0                               1/1      Running    0          1h
cloudos-iaas      os-cas-proxy-core-7b99d475d8-lvnh2    1/1      Running    0          1h
cloudos-iaas      os-ceilometer-0                       1/1      Running    0          1h
cloudos-iaas      os-cinder-76d9fc5fbc-47crt           1/1      Running    0          1h
cloudos-iaas      os-compute-core-5f644b8dcf-v2ctx      1/1      Running    0          1h
cloudos-iaas      os-designate-db44b7646-djbb6          1/1      Running    0          1h
cloudos-iaas      os-designate-sync-4t7tr               1/1      Running    0          1h
cloudos-iaas      os-designate-sync-q8shs               1/1      Running    0          1h
cloudos-iaas      os-designate-sync-wh14w              1/1      Running    0          1h
cloudos-iaas      os-glance-0                           0/1      Running    1          19m
cloudos-iaas      os-heat-5b69594c4d-d68zj             1/1      Running    0          1h
cloudos-iaas      os-image-core-69c855dcb8-xqq8p       1/1      Running    0          1h
cloudos-iaas      os-ironic-5d95b44ff9-8chhj           1/1      Running    0          1h
cloudos-iaas      os-kaas-5d7587fb5b-qmw8              1/1      Running    0          1h
cloudos-iaas      os-kinton-7b845dc76d-56m2w           1/1      Running    0          1h
```

2、通过desc\_pod os-glance-0 -n cloudos-iaas查看容器未运行原因。从记录看是健康检查不通过，9292端口是镜像服务的端口，怀疑是服务未能正常启动

```
Tolerations: node.kubernetes.io/memory-pressure:NoSchedule
Events:
  Type    Reason      Age    From    Message
  ----    -
  Normal  Scheduled   24m    default-scheduler Successfully assigned cloudos-iaas/os-glance-0 to cloud03
  Normal  Pulling    24m    kubelet, cloud03 pulling image "os-harbor-svc.default.svc.cloudos:443/helm/cloudos-openstack-glance:E5132P92-V56989818030607-RC4"
  Normal  Pulled     24m    kubelet, cloud03 Successfully pulled image "os-harbor-svc.default.svc.cloudos:443/helm/cloudos-openstack-glance:E5132P92-V56989818030607-RC4"
  Normal  Started    24m    kubelet, cloud03 Created container
  Normal  Started    24m    kubelet, cloud03 Started container
  Warning  Unhealthy  6s (x118 over 24m) kubelet, cloud03 Readiness probe failed: Get http://10.193.0.38:9292/: dial tcp 10.193.0.38:9292: connect: connection refused
```

3、进入到pod内部查看服务状态，发现命令无法执行

```
[root@os-glance-0 /]# systemctl | grep glance
Failed to get D-Bus connection: Operation not permitted
```

4、看容器的启动日志，发现在给/var/lib/glance/image文件夹添加权限的时候出现了问题

```
[root@os-glance-0 /]# vi /var/log/pre-startup.log
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_646': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_891': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_2010': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1937': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1104': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1563': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_876': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_143': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_411': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1251': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1593': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_807': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_372': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_930': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_325': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1423': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1695': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1218': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_831': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_765': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_904': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1321': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_759': Operation not permitted
chown: changing ownership of '/var/lib/glance/images/19C481e11f000002/g_22/d_1663': Operation not permitted
```

5、进入到/var/lib/glance/images目录下，现场对接的nas存储，该目录是挂载的nas存储，看到目录下有一堆文件夹，这些文件夹没有办法修改权限

```
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-113
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-114
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-115
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-116
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-117
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-118
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-119
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-12
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-120
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-121
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-122
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-123
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-124
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-125
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-126
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-127
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-13
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-14
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-15
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-16
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-17
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-18
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-19
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-2
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-20
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-21
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-22
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-23
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-24
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-25
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-26
drwxr-xr-x, 2 993 992 0 Jan 21 14:54 incoming128-27
```

正常情况下/var/lib/glance/images文件夹下只是存镜像的，不应该有其他文件夹，正常的目录如下：

```
[root@os-glance-0 /]# cd /var/lib/glance/images/
[root@os-glance-0 images]# ll
total 8555076
-rw-r----- 1 glance glance 1635778560 Jan 18 20:16 0e914303-ac6f-4277-a0e8-82194e2bc218
-rw-r----- 1 glance glance 1635778560 Jan 15 15:42 2235772a-520f-400d-b1c8-36644fc5a707
-rw-r----- 1 glance glance 12716032 Jan 17 11:36 24b44b50-d93d-4b33-bc72-a42f45025435
-rw-r----- 1 glance glance 12716032 Jan 18 11:11 2b7e4fa7-9ab1-49be-bfef-0916fd7cafa7
-rw-r----- 1 glance glance 1076818944 Jan 18 20:17 9ea6e9d0-9c44-4454-b635-d84f74e8b69e
-rw-r----- 1 glance glance 12716032 Jan 17 11:36 a49e218e-fb55-4913-9d55-20af5abc4f31
-rw-r----- 1 glance glance 12716032 Jan 18 12:12 bde2a074-2b60-4d2e-a92f-1fdde10e5754
-rw-r----- 1 glance glance 1635778560 Jan 15 15:42 c559b9f1-a155-483b-b12f-e4999530c2a6
-rw-r----- 1 glance glance 12716032 Jan 17 11:36 dcfe96af-6676-4d96-9c97-35002a220a82
-rw-r----- 1 glance glance 1635778560 Jan 18 20:16 e234cdb2-bc40-4350-8189-5a5efa442599
-rw-r----- 1 glance glance 1076818944 Jan 15 15:43 fc09cda9-4dc7-4ef5-895b-18ebcca4fe97
drwxr-xr-x. 3 glance glance 4096 Jan 13 20:39 ftp
drwx----- 2 glance glance 16384 Jan 13 20:37 lost+found
drwxr-xr-x. 2 glance glance 4096 Jan 13 20:37 sftp
[root@os-glance-0 images]#
```

问题出在nas存储路径的这些文件夹，无法修改这些文件夹权限，导致容器未能正常启动

