

组网及说明

CloudOS安装部署完成后，需要定期巡检来监测平台运行状态。

问题描述

在使用df -h命令查看磁盘占用情况时，发现CloudOS根分区占用100%。

```
[root@H3CloudOS02 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/centos-root 251G  240G    0 100% /
devtmpfs         32G   0      32G   0% /dev
tmpfs            32G  12K    32G   1% /dev/shm
tmpfs            32G  3.2G   28G  10% /run
tmpfs            32G   0      32G   0% /sys/fs/cgroup
/dev/sda3        197M  128M   69M  66% /boot
/dev/sda2        200M   9.5M  191M   5% /boot/efi
/dev/mapper/MongoDB 591G  169M  561G   1% /var/lib/kubelet/plugins/kuber
/dev/mapper/Glance 2.0T   33G   1.9T   2% /var/lib/kubelet/plugins/kuber
```

过程分析

首先需要查找出空间被占满原因，使用du -sh * | grep G命令逐级查找

```
[root@H3CloudOS02 /]# du -sh * | grep G
8.6G opt
du: cannot access 'proc/24945/task/24945/fd/4': No such file or directory
du: cannot access 'proc/24945/task/24945/fdinfo/4': No such file or directory
du: cannot access 'proc/24945/fd/4': No such file or directory
du: cannot access 'proc/24945/fdinfo/4': No such file or directory
3.2G run
1.8G usr
261G var
[root@H3CloudOS02 /]# cd /var/
[root@H3CloudOS02 var]# du -sh * | grep G
37G lib
224G log
```

```
[root@H3CloudOS02 log]# du -sh * | grep G
5.0G ceilometer
1.5G keystone
2.2G messages
3.6G mongod
19G neutron
191G nova
[root@H3CloudOS02 log]# cd nova
[root@H3CloudOS02 nova]# du -sh * | grep G
191G nova-conductor.log
[root@H3CloudOS02 nova]# pwd
/var/log/nova
[root@H3CloudOS02 nova]# ll
total 200080904
-rw-r--r-- 1 162 162 728543232 Nov 2 15:59 nova-api.log
-rw-r--r-- 1 162 162 1642966 Jun 5 03:05 nova-cert.log
-rw-r--r-- 1 162 162 204148224000 Nov 2 16:00 nova-conductor.log
-rw-r--r-- 1 162 162 1818624 Oct 29 14:56 nova-consoleauth.log
-rw-r--r-- 1 162 162 0 May 16 16:53 nova-manage.log
-rw-r--r-- 1 162 162 290816 Oct 29 15:28 nova-novncproxy.log
-rw-r--r-- 1 162 162 2158592 Oct 29 15:51 nova-scheduler.log
```

查看nova-conductor.log日志内容，发现有以下日志反复打印

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db [-] Unexpected error while reporting service status

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db Traceback (most recent call last):

b.py", line 90, in _report_state

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db service.service_ref.save()

py", line 223, in wrapper

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db return fn(self, *args, **kwargs)

s)

ine 297, in save

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db db_service = db.service_update

ate(self._context, self.id, updates)

in service_update

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db return IMPL.service_update(context, service_id, values)

in wrapper

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db ectxt.value = e.inner_exc

ne 220, in __exit__

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self.force_raise()

ne 196, in force_raise

```

2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db six.reraise(self.type_, self.va
lue, self.tb)
in wrapper
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db return f(*args, **kwargs)
line 300, in wrapped
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db return f(context, *args, **kwa
rgs)
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db File
"/usr/lib64/python2.7/contextlib.py", line 24, in __exit__
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self.gen.next()
cade.py", line 760, in _transaction_scope
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db yield resource
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db File
"/usr/lib64/python2.7/contextlib.py", line 24, in __exit__
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self.gen.next()
cade.py", line 495, in _session
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self._end_session_transaction(self.session)
cade.py", line 516, in _end_session_transaction
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db session.commit()
", line 813, in commit
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self.transaction.commit()
", line 392, in commit
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self._prepare_impl()
", line 372, in _prepare_impl
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self.session.flush()
", line 2027, in flush
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db self._flush(objects)
", line 2145, in _flush
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db transaction.rollback(_capture_exception=True)
rs.py", line 60, in __exit__
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db compat.reraise(exc_type, ex
c_value, exc_tb)
", line 2109, in _flush
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db flush_context.execute()
.py", line 373, in execute
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db rec.execute(self)
.py", line 532, in execute
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db uow
e.py", line 170, in save_obj
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db mapper, table, update)
e.py", line 728, in _emit_update_statements
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db (table.description, len(record
s), rows))
ate 1 row(s); 2 were matched.
2018-05-21 12:05:20.273 1260 ERROR nova.servicegroup.drivers.db
异常增长导致根分区被占满

```

解决方法

1、首先通过echo>nova-conductor.log命令清空日志内容;

```

[root@H3CloudOS02 nova]# echo>nova-conductor.log
[root@H3CloudOS02 nova]# ll
total 717268
-rw-r--r-- 1 162 162 728543232 Nov  2 16:25 nova-api.log
-rw-r--r-- 1 162 162 1642966 Jun  5 03:05 nova-cert.log
-rw-r--r-- 1 162 162 1 Nov  2 16:29 nova-conductor.log
-rw-r--r-- 1 162 162 1818624 Oct 29 14:56 nova-consoleauth.log
-rw-r--r-- 1 162 162 0 May 16 16:53 nova-manage.log
-rw-r--r-- 1 162 162 290816 Oct 29 15:28 nova-novncproxy.log
-rw-r--r-- 1 162 162 2158592 Nov  2 16:09 nova-scheduler.log

```

2、需要联系研发来具体分析日志异常增长的原因，这个问题是由于数据库nova-conductor ID与其它冲突导致，研发修改nova-conductor ID后已不再打印异常日志。