

知 cloudos2.0 备份平台数据失败，报错 “postgre dump 失败”

H3Cloud CloudOS 刘琪 2022-01-10 发表

组网及说明

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问题描述

cloudos2.0 9090 页面进行管理平台数据备份，报错postgresql dump失败



过程分析

1. 检查后台pod是否运行正常，尤其是postgresql容器

```
[root@ZJRTG-CLOUDOS01 log]# pod
NAMESPACE NAME READY STATUS RESTARTS AGE IP NODE
default compcas6yeg14akrc-5ny35 1/1 Running 1 55d 10.101.81.7 10.101.100.2
default compcasgkt3bvlarc-fcmcf 1/1 Running 1 55d 10.101.81.10 10.101.100.2
default coreapirc-9typ1 1/1 Running 0 55d 10.101.81.13 10.101.100.2
default opensackrc-g2zm2 1/1 Running 0 55d 10.101.81.15 10.101.100.2
default parametedrc-3at0y 1/1 Running 0 55d 10.101.81.9 10.101.100.2
default portalrc-zx8qa 1/1 Running 0 55d 10.101.81.4 10.101.100.2
default postgresqlrc-9u9xs 1/1 Running 0 55d 10.101.81.14 10.101.100.2
default rabbitmqrc-pb2ud 1/1 Running 0 55d 10.101.81.11 10.101.100.2
default rdbrc-xej4l 1/1 Running 0 55d 10.101.81.12 10.101.100.2
default webapprc-rge1s 1/1 Running 1 55d 10.101.81.6 10.101.100.2
kube-system kube-dns-v17.1-ixz13 3/3 Running 0 55d 10.101.81.5 10.101.100.2
```

2. 若pod运行正常，我们可以尝试手工备份postgresql数据

```
export PGPASSWORD=cloudos;pg_dumpall -U postgres -h 10.100.100.1 -c -f /root/pg_bak-$(date +%y%m%d%H%M%S).bak
```

```
[root@ZJRTG-CLOUDOS01 log]# export PGPASSWORD=cloudos;pg_dumpall -U postgres -h 10.100.100.1 -c -f /root/pg_bak-$(date +%y%m%d%H%M%S).bak
pg_dump: Dumping the contents of table "token" failed: PQgetResult() failed.
pg_dump: Error message from server: ERROR: missing chunk number 0 for toast value 13835431 in pg_toast_16539
pg_dump: the command was: COPY public.token (id, expires, extra, valid, trust_id, user_id) TO stdout;
pg_dumpall: pg_dump failed on database "keystone": exiting
```

发现有关于keystone数据库备份的报错。

3. 怀疑是token数据太多导致。

进入到容器内部，查看token数据，发现存在大量的token数据。

```
[root@ZJRTG-CLOUDOS01 log]# pod | grep post
default postgresqlrc-9u9xs 1/1 Running 0 55d 10.101.81.14 10.101.100.2
[root@ZJRTG-CLOUDOS01 log]# kubectl exec -it postgresqlrc-9u9xs bash
[root@postgresql-server /]# psql -U postgres -d keystone
psql (9.2.18)
type "help" for help.

keystone=# select count (*) from token;
 count
-----
1484075
(1 row)
```

解决方法

使用delete from token;尝试清理,若执行报错,则可使用truncate table token;

```
keystone=# delete from token;
ERROR: attempted to delete invisible tuple
keystone=# delete from token;
ERROR: attempted to delete invisible tuple
keystone=# select count (*) from token;
 count
-----
1484081
(1 row)

keystone=# delete from token;
ERROR: attempted to delete invisible tuple
keystone=# truncate table token;
TRUNCATE TABLE
keystone=# select count (*) from token;
 count
-----
 0
(1 row)
```

清理完token后再去openstack容器内部刷新一下。

```
kube-system kube-apis-v1.1-1x213 3/3 running 0 330 10.1
[root@ZJRTG-CLOUDOS01 log]# kubectl exec -it openstackrc-g2zm2 bash
[root@openstack-server /]# keystone-manage token_flush
[root@openstack-server /]# exit
exit
[root@ZJRTG-CLOUDOS01 log]# █
```

此时再去cloudos 9090页面备份数据则正常

