Ceph - Feature #12404

"ceph pool set-quota max_bytes" fails to work

07/20/2015 07:15 AM - ceph zte

Status:	New	**% Done:**	0%
Priority:	Normal	**Spent time:**	0.00 hour
Assignee:			
Category:			
Target version:			
Source:	other	**Reviewed:**	
Tags:		**Affected Versions:**	0.86
Backport:		**Pull request ID:**	

Description

*Hi ,all!

My ceph version is 0.87.*

*There are two questions in ceph use that I can not understand why?

First, I have set the pool gjghl max_bytes 1024kb, But I can put 5M data into the pool gjghl.

Second , The Pool gjghl max_bytes is 1024 Kb,I can resize it to smaller size without any warning. For example the

pool gjghl max_bytes is 1024 kb ant it have 5Mb data, I can set the max_bytes to 100 b.But without any warning info to me .and the pool also have 5MB data.It seems that the max_bytes is no useful for pool gjghl *

```
[root@server22 ~]# ceph osd pool set-quota gjghl max_bytes 1048576
set-quota max_bytes = 1048576 for pool gjghl

[root@server22 ~]# ceph osd pool get-quota gjghl
quotas for pool 'gjghl':
  max objects: N/A
  max bytes  : 1024kB

[root@server22 ~]# du -sh ./test
5.0M    ./test

[root@server22 ~]# rados put songtest  ./test -p gjghl

[root@server22 ~]# rados ls -p gjghl
songtest

[root@server22 ~]# rados df
pool name       category                 KB      objects       clones     degrad
                                                                    ed      unfound           rd        rd
KB           wr        wr KB
ffdsf           -                          0            1            0
                                                                   0           0            0
 0            0            0
ggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggg -
                                                                                  0            0            0
            0           0           0
                                0           0           0
gjghl           -                       5120            1            0
                                                                   0           0            0
 0            2         5120
hhhaaa          -                          1            4            0
                                                                   0           0       294809       2211
03            7            1
hjkjl           -                          0            1            0
```

```
                                                    0           0            0
 0            0            0
pool             -                          0            0           0
                                                    0           0            0
 0            0            0
pool1            -                          1            3           0
                                                    0           0            6
 3            7            1
rbd              -                          0            0           0
                                                    0           0            0
 0            0            0
test1112223333   -                          1            4           0
                                                    0           0       542592       4069
44            0            0
tttttttt         -                          0            1           0
                                                    0           0            0
 0            0            0
  total used        39729608           15
  total avail       65076792
  total space      104806400

[root@server22 ~]# ceph df
GLOBAL:
    SIZE        AVAIL      RAW USED     %RAW USED
    102350M     63554M       38795M         37.90
POOLS:
    NAME                                                                ID      USED       %USED
  MAX AVAIL     OBJECTS
    rbd                                                                 0           0          0
     63554M           0
    tttttttt                                                            1           0          0
     63554M           1
    pool                                                                2           0          0
     63554M           0
    ffdsf                                                               3           0          0
     63554M           1
    pool1                                                               4          17          0
     63554M           3
    hjkjl                                                               5           0          0
     63554M           1
    hhhaaa                                                              6          17          0
     63554M           4
    test1112223333                                                      7          17          0
     63554M           4
    ggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggggg   8           0          0
     63554M           0
    gjghl                                                               9        5120k         0
     63554M           1

[root@server22 ~]# ceph osd pool set-quota gjghl max_bytes 100
set-quota max_bytes = 100 for pool gjghl
[root@server22 ~]# ceph osd pool get-quota gjghl
quotas for pool 'gjghl':
  max objects: N/A
  max bytes  : 100B
```

History

#1 - 07/22/2015 02:15 AM - huang jun

or you can get the object you have upload and compare the md5sum to see if they are the same file.

#2 - 07/22/2015 02:49 AM - ceph zte

It is the same md5sum.

[root@server22 home]# rados get songtest test1 -p gjghl

```
[root@server22 home]# md5sum test
b0d54726a04506c3dcfede0a521ec571  test
[root@server22 home]# md5sum test1
b0d54726a04506c3dcfede0a521ec571  test1
[root@server22 home]#
```

#3 - 07/31/2015 02:56 PM - Kefu Chai

- Subject changed from ceph pool set-quota max_bytes does not useful! to "ceph pool set-quota max_bytes" fails to work

- Description updated

#4 - 09/08/2015 02:30 PM - Sage Weil

- Assignee set to Kefu Chai

#5 - 09/09/2015 09:24 AM - Kefu Chai

- Tracker changed from Bug to Feature

- Status changed from New to 12

- Assignee deleted (Kefu Chai)

- Priority changed from High to Normal

ceph zte, i am afraid that this is how ceph works.

the client checks the full-ness of the pool when it **submits** the requests. but it does not compare the expected size of pool **after** the write op is submitted, with the quota. the full-ness stats are populated with osdmap.

so i'd take this as a feature request, not a bug.

#6 - 12/05/2019 09:35 PM - Patrick Donnelly

- Status changed from 12 to New