

Ceph - Bug #3172

ceph::buffer::bad_alloc downloading a large object using rados

09/18/2012 03:07 AM - John Leach

| | | | |
|------------------------|-------------|---------------------------|------------|
| Status: | Resolved | Start date: | 09/18/2012 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | librados | Estimated time: | 0.00 hour |
| Target version: | | Spent time: | 0.00 hour |
| Source: | Development | Reviewed: | |
| Tags: | | Affected Versions: | |
| Backport: | | ceph-qa-suite: | |
| Regression: | No | Release: | |
| Severity: | | Needs Doc: | No |

Description

got a 1gig object, when I get it I get a bad_alloc error.

This is on a 64bit Ubuntu 12.04.1 LTS box, with packages installed from the ceph repository.

```
root@srv-2bz4v:~# rados -p test get zero.1 z1
terminate called after throwing an instance of 'ceph::buffer::bad_alloc'
  what():  buffer::bad_alloc
*** Caught signal (Aborted) **
in thread 7f5064534700
ceph version 0.51 (commit:c03ca95d235c9a072dcd8a77ad5274a52e93ae30)
1: rados() [0x4434fa]
2: (()+0xfcb0) [0x7f5069e98cb0]
3: (gsignal()+0x35) [0x7f5068ee5445]
4: (abort()+0x17b) [0x7f5068ee8bab]
5: (__gnu_cxx::__verbose_terminate_handler()+0x11d) [0x7f506983369d]
6: (()+0xb5846) [0x7f5069831846]
7: (()+0xb5873) [0x7f5069831873]
8: (()+0xb596e) [0x7f506983196e]
9: (ceph::buffer::create_page_aligned(unsigned int)+0x95) [0x7f506a849635]
10: (SimpleMessenger::Pipe::read_message(Message**)+0x1db0) [0x7f506a7f02b0]
11: (SimpleMessenger::Pipe::reader()+0xb44) [0x7f506a804734]
12: (SimpleMessenger::Pipe::Reader::entry()+0xd) [0x7f506a6db2cd]
13: (()+0x7e9a) [0x7f5069e90e9a]
14: (clone()+0x6d) [0x7f5068fa14bd]
2012-09-18 08:51:14.390520 7f5064534700 -1 *** Caught signal (Aborted) **
in thread 7f5064534700
```

attached full output from crash and apport core dump data.

History

#1 - 02/12/2013 10:49 AM - Greg Farnum

- Status changed from New to Resolved

I believe this got fixed in [234becd3447a679a919af458440bc31c8bd6b84f](#).

Previously it was trying to read a full object at once, which in this case would have involved asking for a 1GB memory allocation.

Files

| | | | |
|---------------------------|---------|------------|------------|
| rados-get-crash.log | 12.5 KB | 09/18/2012 | John Leach |
| _usr_bin_rados.0.crash.gz | 142 KB | 09/18/2012 | John Leach |