

Ceph - Bug #215

osd crash: FAILED assert(seq >= last_committed_seq)

06/20/2010 10:39 AM - ar Fred

Status: Resolved	% Done: 0%
Priority: Normal	Spent time: 0.00 hour
Assignee:	
Category: OSD	
Target version: v0.21	
Source:	Reviewed:
Tags:	Affected Versions:
Backport:	ceph-qa-suite:
Regression: No	Pull request ID:
Severity: 3 - minor	Crash signature:

Description

this is ceph unstable c626ac384678661b765c1ae1dee8db48b2c70993

```
#0 0x00007f41b1a18a75 in raise () from /lib/libc.so.6
#1 0x00007f41b1a1c5c0 in abort () from /lib/libc.so.6
#2 0x00007f41b22cd8e5 in __gnu_cxx::__verbose_terminate_handler() () from /usr/lib/libstdc++.so.6
#3 0x00007f41b22cbd16 in ?? () from /usr/lib/libstdc++.so.6
#4 0x00007f41b22cbd43 in std::terminate() () from /usr/lib/libstdc++.so.6
#5 0x00007f41b22cbe3e in __cxa_throw () from /usr/lib/libstdc++.so.6
#6 0x00000000005b39f8 in ceph::__ceph_assert_fail (assertion=0x5ec3b2 "seq >= last_committed_seq"
, file=<value optimized out>, line=711, func=<value optimized out>) at common/assert.cc:30
#7 0x00000000005649e1 in FileJournal::committed_thru (this=0x1116310, seq=0) at os/FileJournal.cc
:711
#8 0x000000000055d265 in JournalingObjectStore::commit_finish (this=0x1125740) at os/JournalingOb
jectStore.cc:186
#9 0x00000000005543f3 in FileStore::sync_entry (this=0x1125740) at os/FileStore.cc:1714
#10 0x00000000004ef93d in FileStore::SyncThread::entry() ()
#11 0x0000000000469a4a in Thread::_entry_func (arg=0x6315) at ./common/Thread.h:39
#12 0x00007f41b28ab9ca in start_thread () from /lib/libpthread.so.0
#13 0x00007f41b1acb6cd in clone () from /lib/libc.so.6
#14 0x0000000000000000 in ?? ()
```

attached full log of that osd.

I kept all logs, core, ... just ask!

History

#1 - 06/20/2010 02:53 PM - Sage Weil

- Status changed from New to 7

- Target version set to v0.21

this should be fixed by [bf3d52a4b725a0f2d3db39ea9ad5b412171ea0ad](#)... can you please confirm?

thanks!

#2 - 06/21/2010 05:40 AM - ar Fred

I got a crash after restarting that osd, same stacktrace (if you ignore line numbers difference due to your recent commit):

```
#0 0x00007fbc5be06a75 in raise () from /lib/libc.so.6
#1 0x00007fbc5be0a5c0 in abort () from /lib/libc.so.6
#2 0x00007fbc5c6bb8e5 in __gnu_cxx::__verbose_terminate_handler() () from /usr/lib/libstdc++.so.6
#3 0x00007fbc5c6b9d16 in ?? () from /usr/lib/libstdc++.so.6
#4 0x00007fbc5c6b9d43 in std::terminate() () from /usr/lib/libstdc++.so.6
#5 0x00007fbc5c6b9e3e in __cxa_throw () from /usr/lib/libstdc++.so.6
#6 0x00000000005b3a08 in ceph::__ceph_assert_fail (assertion=0x5ec3d2 "seq >= last_committed_seq", file=<value optimized out>, line=711, func=<value optimized out>) at common/assert.cc:30
#7 0x00000000005649f1 in FileJournal::committed_thru (this=0x1def3c0, seq=0) at os/FileJournal.cc:711
#8 0x000000000055d265 in JournalingObjectStore::commit_finish (this=0x1df5740) at os/JournalingObjectStore.cc:189
#9 0x00000000005543f3 in FileStore::sync_entry (this=0x1df5740) at os/FileStore.cc:1714
#10 0x00000000004ef93d in FileStore::SyncThread::entry() ()
#11 0x0000000000469a4a in Thread::_entry_func (arg=0x6c0b) at ./common/Thread.h:39
#12 0x00007fbc5cc999ca in start_thread () from /lib/libpthread.so.0
#13 0x00007fbc5beb96cd in clone () from /lib/libc.so.6
#14 0x0000000000000000 in ?? ()
```

Should your patch fix the actual problem, or its cause? i.e., should I expect my osd to restart, or should I reformat?

just in case, on frame 7:

```
(gdb) p seq
$1 = 0
(gdb) p last_committed_seq
$2 = 1975
```

#3 - 06/21/2010 10:56 AM - Sage Weil

Oh.. it may have written the bad (0) value to current/commit_op_seq. Can you confirm that file has 0 in it? If so, then you either need to re-mkfs, or probably

```
$ echo 1975 > current/commit_op_seq
```

will do the trick.

#4 - 06/22/2010 01:42 AM - ar Fred

- File *commit_op_seq* added

I'm attaching the *commit_op_seq* file, as the content is not what I was expecting, it indeed has a 0 in it, but it also holds a second line.

the echo trick worked, this osd has now joined the other and all the PGs are active+clean.

Thanks

#5 - 06/22/2010 11:00 AM - Sage Weil

- Status changed from 7 to *Resolved*

Files

osd1.gz	54.2 KB	06/20/2010	ar Fred
commit_op_seq	5 Bytes	06/22/2010	ar Fred