

## fs - Bug #11053

### "FAILED assert(beacon\_seq\_stamp[seq] > beacon\_last\_acked\_stamp)" in upgrade:dumpling-x-firefly-distro-basic-vps

03/06/2015 07:06 PM - Yuri Weinstein

<b>Status:</b> Resolved	<b>% Done:</b> 80%
<b>Priority:</b> Urgent	
<b>Assignee:</b> Zheng Yan	
<b>Category:</b>	
<b>Target version:</b>	
<b>Source:</b> Q/A	<b>Affected Versions:</b>
<b>Tags:</b>	<b>ceph-qa-suite:</b> upgrade/dumpling-firefly-x
<b>Backport:</b> dumpling, emperor, firefly, giant	<b>Component(FS):</b>
<b>Regression:</b> No	<b>Labels (FS):</b>
<b>Severity:</b> 3 - minor	<b>Pull request ID:</b>
<b>Reviewed:</b>	<b>Crash signature:</b>
<b>Description</b>	
<ul style="list-style-type: none"><li><a href="https://github.com/ceph/ceph/pull/3922">https://github.com/ceph/ceph/pull/3922</a></li></ul>	
Run: <a href="http://pulpito.ceph.com/teuthology-2015-03-04_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/">http://pulpito.ceph.com/teuthology-2015-03-04_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/</a>	
Job: 789599	
Logs: <a href="http://qa-proxy.ceph.com/teuthology/teuthology-2015-03-04_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/789599/teuthology_log">http://qa-proxy.ceph.com/teuthology/teuthology-2015-03-04_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/789599/teuthology_log</a>	
<pre>2015-03-05T20:31:05.602 INFO:teuthology.orchestra.run.vpm078:Running: 'sudo yum -y install libceph fs_jnil rbd-fuse ceph-radosgw librbd1 ceph-debuginfo ceph-fuse python-ceph ceph ceph-devel ceph-te st librados2 cephfs-java rest-bench libcephfs1' 2015-03-05T20:31:05.721 INFO:teuthology.orchestra.run.vpm078.stdout:Loaded plugins: priorities 2015-03-05T20:31:05.862 INFO:tasks.ceph.mds.a.vpm078.stderr:mds/MDS.cc: In function 'void MDS::han dle_mds_beacon(MMDSBeacon*)' thread 7f8745004700 time 2015-03-05 23:31:05.856375 2015-03-05T20:31:05.863 INFO:tasks.ceph.mds.a.vpm078.stderr:mds/MDS.cc: 666: FAILED assert (beacon_ seq_stamp[seq] &gt; beacon_last_acked_stamp) 2015-03-05T20:31:05.864 INFO:tasks.ceph.mds.a.vpm078.stderr: ceph version 0.61.9-11-ge146934 (e146 934ea488219075209816ee96dd16b6d89da2) 2015-03-05T20:31:05.864 INFO:tasks.ceph.mds.a.vpm078.stderr: 1: (MDS::handle_mds_beacon (MMDSBeacon *)+0x16b) [0x4b7c6b] 2015-03-05T20:31:05.864 INFO:tasks.ceph.mds.a.vpm078.stderr: 2: (MDS::handle_core_message (Message* )+0x923) [0x4cc893] 2015-03-05T20:31:05.865 INFO:tasks.ceph.mds.a.vpm078.stderr: 3: (MDS::_dispatch (Message*)+0x2f) [0 x4cc97f] 2015-03-05T20:31:05.865 INFO:tasks.ceph.mds.a.vpm078.stderr: 4: (MDS::ms_dispatch (Message*)+0x19b) [0x4ce42b] 2015-03-05T20:31:05.865 INFO:tasks.ceph.mds.a.vpm078.stderr: 5: (DispatchQueue::entry()+0x421) [0x 7ed901] 2015-03-05T20:31:05.866 INFO:tasks.ceph.mds.a.vpm078.stderr: 6: (DispatchQueue::DispatchThread::en try()+0xd) [0x7803ad] 2015-03-05T20:31:05.866 INFO:tasks.ceph.mds.a.vpm078.stderr: 7: (()+0x7851) [0x7f874a53d851] 2015-03-05T20:31:05.866 INFO:tasks.ceph.mds.a.vpm078.stderr: 8: (clone()+0x6d) [0x7f874947290d] 2015-03-05T20:31:05.866 INFO:tasks.ceph.mds.a.vpm078.stderr: NOTE: a copy of the executable, or `o bjdump -rdS &lt;executable&gt;` is needed to interpret this.</pre>	
<b>Related issues:</b>	
Duplicated by fs - Bug #11100: "FAILED assert(beacon_seq_stamp[seq]" in upgra...	<b>Duplicate</b> <b>03/11/2015</b>

#### Associated revisions

**Revision 75bf4bec - 03/10/2015 12:05 PM - Yan, Zheng**

mds: fix assertion caused by system clock backwards

Fixes: #11053

Signed-off-by: Yan, Zheng <[zyan@redhat.com](mailto:zyan@redhat.com)>

**Revision 07fc9f66 - 03/12/2015 03:04 AM - Yan, Zheng**

mds: fix assertion caused by system clock backwards

Fixes: #11053

Signed-off-by: Yan, Zheng <[zyan@redhat.com](mailto:zyan@redhat.com)>

**Revision 61d60068 - 03/12/2015 03:05 AM - Yan, Zheng**

mds: fix assertion caused by system clock backwards

Fixes: #11053

Signed-off-by: Yan, Zheng <[zyan@redhat.com](mailto:zyan@redhat.com)>

**Revision c7cf4933 - 03/12/2015 03:05 AM - Yan, Zheng**

mds: fix assertion caused by system clock backwards

Fixes: #11053

Signed-off-by: Yan, Zheng <[zyan@redhat.com](mailto:zyan@redhat.com)>

**History**

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**#1 - 03/06/2015 11:44 PM - Sage Weil**

- Project changed from Ceph to fs

**#2 - 03/09/2015 12:22 PM - Zheng Yan**

- Status changed from New to 12

looks like some one changed system's time

```
-67> 2015-03-06 04:16:03.756151 7f87425fe700 1 -- 10.214.130.78:6806/4328 --> 10.214.130.37:6789/0 -- mdsbeacon(4101/a up:creating seq 2 v4) v2 -- ?+0 0x1ee0840 con 0x1e61b80
-66> 2015-03-06 04:16:03.757429 7f8745004700 1 -- 10.214.130.78:6806/4328 <== mon.0 10.214.130.37:6789/0 1 7 ==== mdsbeacon(4101/a up:creating seq 2 v4) v2 ==== 103+0+0 (3972643044 0 0) 0x1ee02c0 con 0x1e61b80
-65> 2015-03-05 23:31:01.806534 7f8741bfd700 2 -- 10.214.130.78:6806/4328 >> 10.214.130.37:6800/4053 pipe(0x1ef0f00 sd=17 :35809 s=2 pgs=8 cs=1 l=1).reader couldn't read tag, Success
-64> 2015-03-05 23:31:01.806587 7f8741bfd700 2 -- 10.214.130.78:6806/4328 >> 10.214.130.37:6800/4053 pipe(0x1ef0f00 sd=17 :35809 s=2 pgs=8 cs=1 l=1).fault 0: Success
-63> 2015-03-05 23:31:01.806782 7f8745004700 5 mds.0.1 ms_handle_reset on 10.214.130.37:6800/4053
-62> 2015-03-05 23:31:01.806803 7f8745004700 1 mds.0.objecter ms_handle_reset on osd.3
```

should we fix this assertion?

### #3 - 03/09/2015 02:43 PM - Greg Farnum

We talked about this briefly in standup. It looks like we can just toss this state out and try again, probably setting ourselves laggy until we get an ack with our new timestamps.

### #4 - 03/13/2015 01:12 AM - Zheng Yan

- Status changed from 12 to Fix Under Review

### #5 - 03/16/2015 05:41 PM - Loic Dachary

- Status changed from Fix Under Review to 7

- Assignee set to Zheng Yan

- % Done changed from 0 to 80

- Backport set to firefly

### #6 - 03/16/2015 05:42 PM - Loic Dachary

- firefly backport <https://github.com/ceph/ceph/pull/3970>
- giant backport <https://github.com/ceph/ceph/pull/3971>
- dumpling backport <https://github.com/ceph/ceph/pull/3969>

### #7 - 03/16/2015 05:43 PM - Loic Dachary

- Description updated

### #8 - 03/16/2015 05:53 PM - Greg Farnum

- Backport changed from firefly to dumpling, emperor, firefly, giant

### #9 - 03/19/2015 10:36 PM - Greg Farnum

- Status changed from 7 to Resolved

These PRs all got merged.

### #10 - 04/13/2015 09:53 PM - Yuri Weinstein

- Status changed from Resolved to New

Still see in

Run: [http://pulpito.ceph.com/teuthology-2015-04-10\\_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/](http://pulpito.ceph.com/teuthology-2015-04-10_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/)

Job: [843744]

Logs: [http://pulpito.ceph.com/teuthology-2015-04-10\\_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/843744/](http://pulpito.ceph.com/teuthology-2015-04-10_19:13:01-upgrade:dumpling-x-firefly-distro-basic-vps/843744/)

```
Assertion: mds/MDS.cc: 666: FAILED assert (beacon_seq_stamp[seq] > beacon_last_acked_stamp)
ceph version 0.61.9-11-ge146934 (e146934ea488219075209816ee96dd16b6d89da2)
1: (MDS::handle_mds_beacon(MMDSBeacon*)+0x16b) [0x4b7c6b]
2: (MDS::handle_core_message(Message*)+0x923) [0x4cc893]
3: (MDS::_dispatch(Message*)+0x2f) [0x4cc97f]
4: (MDS::ms_dispatch(Message*)+0x19b) [0x4ce42b]
5: (DispatchQueue::entry()+0x421) [0x84dea1]
6: (DispatchQueue::DispatchThread::entry()+0xd) [0x8207bd]
7: ((()+0x79d1) [0x7f93bb6b29d1]
8: (clone()+0x6d) [0x7f93ba5e686d]
```

**#11 - 04/13/2015 09:55 PM - Yuri Weinstein**

- *ceph-qa-suite upgrade/dumpling-firefly-x added*

**#12 - 04/13/2015 10:32 PM - John Spray**

The stack trace appears to be from Cuttlefish, to which the fix wasn't backported.

It's annoying that we would have to fix this in such an old branch just to make the upgrade tests happy.

Is it possible that there is more of an infrastructure issue here if clocks are jumping around enough to trigger the bug?

**#13 - 04/13/2015 10:34 PM - Greg Farnum**

- *Status changed from New to Resolved*

Yeah, we're not doing anything with this. I'm confused why cuttlefish is running at all though, since it's pre-dumpling...