snaps missing in mapper, should be: ca was r -2...repaired

03/21/2019 05:29 PM - David Zafman

Status: Resolved
Priority: Normal
Assignee: David Zafman
Category: Target version:
Source: ceph-qa-suite
Backport: luminous, mimic, nautilus
Regression: No
Severity: 3 - minor
Reviewed:

This looks like a cache tier eviction deleting a clone while a simultaneous scrub is happening.

Messages leading to the error with "smithi08716243-128:d8"

```
2019-03-21 09:59:25.959 7f91c26d6700 20 bluestore(/var/lib/ceph/oid/collection_list oid # 3:bbcdb3d6::smithi08716243-128:d8# end GHMAX
2019-03-21 09:59:25.959 7f91c26d6700 20 bluestore(/var/lib/ceph/oid/collection_list oid # 3:bbcdb3d6::smithi08716243-128:fb# end
2019-03-21 09:59:25.959 7f91c26d6700 10 osd.4 pg_epoch: 375 pg[3.1 v 375'2366 (0'0,375'2366) loca 1-lis/les=360/361 n=53 ec=20/20 lis/c 360/360 les/c/f 361/361/0 360/360/360] [4,0] r=0 lpr=360 ctt=375'2366 ldc=375'2365 mlcd 375'2365 active+clean+scrubbing trimq=[107,1,10a-3,10e-2] ps=[da-1,e7-1,ea-1,f1-1,f9-1,fe-1] be_scan_list [24/25 3:bbcdb3d6::smithi08716243-128:d8]
2019-03-21 09:59:25.959 7f91c26d6700 15 bluestore(/var/lib/ceph/oid/collection_list oid # 3:bbcdb3d6::smithi08716243-128:d8#)
2019-03-21 09:59:25.959 7f91c26d6700 20 bluestore(/var/lib/ceph/oid/collection_list oid # 3:bbcdb3d6::smithi08716243-128:d8#)
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2019-03-21 09:59:25.959 7f91c26d6700 20 bluestore(/var/lib/ceph/oid/collection_list oid # 3:bbcdb3d6::smithi08716243-128:d8#)
```

06/05/2021
Later the object info is missing and "Can not trim 3:bbcdb3d6:::smithi08716243-128:d8 repair needed" keeps happening.

2019-03-21 09:59:25.971 7f91be6ce700 20 snap.mapper.get_snaps 3:bbcdb3d6:::smithi08716243-128:d8 got.empty()
2019-03-21 09:59:25.971 7f91be6ce700 -1 log_channel(cluster) log [ERR] : osd.4 found snap mapper error on pg 3.1 oid 3:bbcdb3d6:::smithi08716243-128:d8 snaps missing in mapper, should be: ca was r -2...repaired
2019-03-21 10:00:01.990 7f91c26d6700 10 osd.4 pg_epoch: 411 pg[3.1( v 411'2577 (0'0,411'2577) loca 1-lis/les=360/361 n=51 ec=20/20 lis/c 360/360 les/c/f 361/361/0 360/360/360) [4,0] r=0 lpr=360 luo d=411'2575 lcod 411'2577 mlcod 411'2574 active+clean+snaptrim trimq=[107~1,10a~3,10e~2] ps=[da~1,e7~1,ea~1,f1~1,f9~1,fe~1] get_object_context: obc NOT found in cache: 3:bbcdb3d6:::smithi08716243-128:d8
2019-03-21 10:00:01.990 7f91c26d6700 -1 log_channel(cluster) log [ERR] : trim_object: Can not trim 3:bbcdb3d6:::smithi08716243-128:d8 repair needed (no obc)

Related issues:
- Related to RADOS - Bug #24045: Eviction still raced with scrub due to preemption
- Related to RADOS - Bug #40454: snap.mapper error, scrub gets r -2..repaired
- Copied to RADOS - Backport #39518: mimic: snaps missing in mapper, should be:...
- Copied to RADOS - Backport #39519: nautilus: snaps missing in mapper, should ...
- Copied to RADOS - Backport #39520: luminous: snaps missing in mapper, should ...

History
#1 - 03/21/2019 06:30 PM - David Zafman
- Related to Bug #24045: Eviction still raced with scrub due to preemption added

#2 - 03/21/2019 08:49 PM - David Zafman
- Description updated

#3 - 04/11/2019 08:40 PM - David Zafman
- Status changed from New to In Progress
- Pull request ID set to 27209

#4 - 04/26/2019 12:04 AM - David Zafman
- Status changed from In Progress to 7
#5 - 04/26/2019 10:27 PM - David Zafman
- Status changed from 7 to Pending Backport
- Backport set to luminous, mimic, nautilus

#6 - 04/29/2019 10:23 AM - Nathan Cutler
- Copied to Backport #39518: mimic: snaps missing in mapper, should be: ca was r -2...repaired added

#7 - 04/29/2019 10:23 AM - Nathan Cutler
- Copied to Backport #39519: nautilus: snaps missing in mapper, should be: ca was r -2...repaired added

#8 - 04/29/2019 10:24 AM - Nathan Cutler
- Copied to Backport #39520: luminous: snaps missing in mapper, should be: ca was r -2...repaired added

#9 - 06/19/2019 07:58 PM - Sage Weil
- Related to Bug #40454: snap_mapper error, scrub gets r -2..repaired added

#10 - 01/22/2020 11:06 PM - David Zafman
- Status changed from Pending Backport to Resolved