

## RADOS - Bug #25174

**osd: assert failure with FAILED assert(repop\_queue.front() == repop) In function 'void PrimaryLogPG::eval\_repop(PrimaryLogPG::RepGather\*)'**

07/30/2018 06:35 PM - Shylesh Kumar

<b>Status:</b> Can't reproduce	<b>% Done:</b> 0%
<b>Priority:</b> Normal	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b> Neha Ojha	
<b>Category:</b> Peering	
<b>Target version:</b>	
<b>Source:</b> Q/A	<b>Affected Versions:</b> v12.2.4
<b>Tags:</b>	<b>ceph-qa-suite:</b> rados
<b>Backport:</b>	<b>Component(RADOS):</b> OSD
<b>Regression:</b> No	<b>Pull request ID:</b>
<b>Severity:</b> 3 - minor	<b>Crash signature:</b>
<b>Reviewed:</b>	
<b>Description</b>	
branch: luminous description: rados:downstream:singleton/{all/ec-lost-unfound.yaml msgr-failures/many.yaml msgr/simple.yaml objectstore/bluestore-bitmap.yaml rados.yaml}	
2018-07-27T09:30:39.665 INFO:tasks.ec_lost_unfound.ceph_manager:clean! 2018-07-27T09:32:27.533 INFO:tasks.ceph.osd.2.argo017.stderr:/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: In function 'void PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)' thread 7f296b703700 time 2018-07-27 13:32:27.401195 2018-07-27T09:32:27.533 INFO:tasks.ceph.osd.2.argo017.stderr:/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: 9301: FAILED assert(repop_queue.front() repop) 2018-07-27T09:32:27.537 INFO:tasks.ceph.osd.2.argo017.stderr: ceph version 12.2.4-40.el7cp (9e34484c328181b5ae82974b7ffebcd5f3509b) luminous (stable) 2018-07-27T09:32:27.538 INFO:tasks.ceph.osd.2.argo017.stderr: 1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x110) [0x55e5294a72d0] 2018-07-27T09:32:27.538 INFO:tasks.ceph.osd.2.argo017.stderr: 2: (PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)+0x524) [0x55e52908ba64] 2018-07-27T09:32:27.538 INFO:tasks.ceph.osd.2.argo017.stderr: 3: (PrimaryLogPG::repop_all_applied(PrimaryLogPG::RepGather*)+0x74) [0x55e52908c334] 2018-07-27T09:32:27.538 INFO:tasks.ceph.osd.2.argo017.stderr: 4: (Context::complete(int)+0x9) [0x55e528f507e9] 2018-07-27T09:32:27.538 INFO:tasks.ceph.osd.2.argo017.stderr: 5: (ECBackend::handle_sub_write_reply(pg_shard_t, ECSubWriteReply const&, ZTracer::Trace const&)+0x193) [0x55e52921a8c3] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 6: (ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)+0x2df) [0x55e52921c9ef] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 7: (PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)+0x50) [0x55e5291215b0] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 8: (PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>,&, ThreadPool::TPHandle&)+0x59c) [0x55e52908d18c] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 9: (OSD::dequeue_op(boost::intrusive_ptr<PG>,&, boost::intrusive_ptr<OpRequest>,&, ThreadPool::TPHandle&)+0x3f9) [0x55e528f12689] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 10: (PGQueueable::RunVis::operator()(boost::intrusive_ptr<OpRequest> const&)+0x57) [0x55e52918f877] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 11: (OSD::ShardedOpWQ::_process(unsigned int, ceph::heartbeat_handle_d*)+0xfce) [0x55e528f410ae] 2018-07-27T09:32:27.539 INFO:tasks.ceph.osd.2.argo017.stderr: 12: (ShardedThreadPool::shardedthreadpool_worker(unsigned int)+0x839) [0x55e5294acde9] 2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr: 13: (ShardedThreadPool::WorkThreadSharded::entry()+0x10) [0x55e5294aed80] 2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr: 14: ((+0x7dd5) [0x7f298a5cadd5] 2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr: 15: (clone()+0x6d) [0x7f29896bbb3d] 2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr: NOTE: a copy of the executable, or `objdump -rdS &lt;executable>` is needed to interpret this. 2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr:2018-07-27 13:32:27.405832 7f296b703700 -1	

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/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: In function 'void
PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)' thread 7f296b703700 time 2018-07-27 13:32:27.401195
2018-07-27T09:32:27.540 INFO:tasks.ceph.osd.2.argo017.stderr:/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: 9301:
FAILED assert(repop_queue.front() == repop)
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr:
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr: ceph version 12.2.4-40.el7cp
(9e34484c328181b5ae82974b7f7ebcd5f3509b) luminous (stable)
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr: 1: (ceph::__ceph_assert_fail(char const*, char const*, int, char
const*)+0x110) [0x55e5294a72d0]
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr: 2:
(PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)+0x524) [0x55e52908ba64]
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr: 3:
(PrimaryLogPG::repop_all_applied(PrimaryLogPG::RepGather*)+0x74) [0x55e52908c334]
2018-07-27T09:32:27.541 INFO:tasks.ceph.osd.2.argo017.stderr: 4: (Context::complete(int)+0x9) [0x55e528f507e9]
2018-07-27T09:32:27.542 INFO:tasks.ceph.osd.2.argo017.stderr: 5: (ECBackend::handle_sub_write_reply(pg_shard_t,
ECSubWriteReply const&, ZTracer::Trace const&)+0x193) [0x55e52921a8c3]
2018-07-27T09:32:27.542 INFO:tasks.ceph.osd.2.argo017.stderr: 6:
(ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)+0x2df) [0x55e52921c9ef]
2018-07-27T09:32:27.542 INFO:tasks.ceph.osd.2.argo017.stderr: 7:
(PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)+0x50) [0x55e5291215b0]
2018-07-27T09:32:27.542 INFO:tasks.ceph.osd.2.argo017.stderr: 8: (PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>&,
ThreadPool::TPHandle&)+0x59c) [0x55e52908d18c]
2018-07-27T09:32:27.542 INFO:tasks.ceph.osd.2.argo017.stderr: 9: (OSD::dequeue_op(boost::intrusive_ptr<PG>,
boost::intrusive_ptr<OpRequest>, ThreadPool::TPHandle&)+0x3f9) [0x55e528f12689]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 10:
(PGQueueable::RunVis::operator()(boost::intrusive_ptr<OpRequest> const&)+0x57) [0x55e52918f877]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 11: (OSD::ShardedOpWQ::_process(unsigned int,
ceph::heartbeat_handle_d*)+0xfce) [0x55e528f410ae]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 12: (ShardedThreadPool::shardedthreadpool_worker(unsigned
int)+0x839) [0x55e5294acde9]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 13: (ShardedThreadPool::WorkThreadSharded::entry()+0x10)
[0x55e5294aed80]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 14: (()+0x7dd5) [0x7f298a5cadd5]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: 15: (clone()+0x6d) [0x7f29896bbb3d]
2018-07-27T09:32:27.543 INFO:tasks.ceph.osd.2.argo017.stderr: NOTE: a copy of the executable, or `objdump -rdS <executable>`
is needed to interpret this.
2018-07-27T09:32:27.544 INFO:tasks.ceph.osd.2.argo017.stderr:
2018-07-27T09:32:27.563 INFO:tasks.ceph.osd.2.argo017.stderr: 0> 2018-07-27 13:32:27.405832 7f296b703700 -1
/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: In function 'void
PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)' thread 7f296b703700 time 2018-07-27 13:32:27.401195
2018-07-27T09:32:27.563 INFO:tasks.ceph.osd.2.argo017.stderr:/builddir/build/BUILD/ceph-12.2.4/src/osd/PrimaryLogPG.cc: 9301:
FAILED assert(repop_queue.front() == repop)
2018-07-27T09:32:27.563 INFO:tasks.ceph.osd.2.argo017.stderr:
2018-07-27T09:32:27.563 INFO:tasks.ceph.osd.2.argo017.stderr: ceph version 12.2.4-40.el7cp
(9e34484c328181b5ae82974b7f7ebcd5f3509b) luminous (stable)
2018-07-27T09:32:27.563 INFO:tasks.ceph.osd.2.argo017.stderr: 1: (ceph::__ceph_assert_fail(char const*, char const*, int, char
const*)+0x110) [0x55e5294a72d0]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 2:
(PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)+0x524) [0x55e52908ba64]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 3:
(PrimaryLogPG::repop_all_applied(PrimaryLogPG::RepGather*)+0x74) [0x55e52908c334]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 4: (Context::complete(int)+0x9) [0x55e528f507e9]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 5: (ECBackend::handle_sub_write_reply(pg_shard_t,
ECSubWriteReply const&, ZTracer::Trace const&)+0x193) [0x55e52921a8c3]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 6:
(ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)+0x2df) [0x55e52921c9ef]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 7:
(PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)+0x50) [0x55e5291215b0]
2018-07-27T09:32:27.564 INFO:tasks.ceph.osd.2.argo017.stderr: 8: (PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>&,
ThreadPool::TPHandle&)+0x59c) [0x55e52908d18c]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 9: (OSD::dequeue_op(boost::intrusive_ptr<PG>,
boost::intrusive_ptr<OpRequest>, ThreadPool::TPHandle&)+0x3f9) [0x55e528f12689]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 10:
(PGQueueable::RunVis::operator()(boost::intrusive_ptr<OpRequest> const&)+0x57) [0x55e52918f877]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 11: (OSD::ShardedOpWQ::_process(unsigned int,
ceph::heartbeat_handle_d*)+0xfce) [0x55e528f410ae]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 12: (ShardedThreadPool::shardedthreadpool_worker(unsigned
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(int)+0x839) [0x55e5294acde9]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 13: (ShardedThreadPool::WorkThreadSharded::entry()+0x10)
[0x55e5294aed80]
2018-07-27T09:32:27.565 INFO:tasks.ceph.osd.2.argo017.stderr: 14: (()+0x7dd5) [0x7f298a5cadd5]
2018-07-27T09:32:27.566 INFO:tasks.ceph.osd.2.argo017.stderr: 15: (clone()+0x6d) [0x7f29896bbb3d]
2018-07-27T09:32:27.566 INFO:tasks.ceph.osd.2.argo017.stderr: NOTE: a copy of the executable, or `objdump -rdS <executable>`
is needed to interpret this.
2018-07-27T09:32:27.566 INFO:tasks.ceph.osd.2.argo017.stderr:
2018-07-27T09:32:27.566 INFO:tasks.ceph.osd.2.argo017.stderr:*** Caught signal (Aborted)
2018-07-27T09:32:27.567 INFO:tasks.ceph.osd.2.argo017.stderr: in thread 7f296b703700 thread_name:tp_osd_tp
2018-07-27T09:32:27.568 INFO:tasks.ceph.osd.2.argo017.stderr: ceph version 12.2.4-40.el7cp
(9e34484c328181b5aeee82974b7ffebcd5f3509b) luminous (stable)
2018-07-27T09:32:27.568 INFO:tasks.ceph.osd.2.argo017.stderr: 1: (()+0xa3c941) [0x55e529468941]
2018-07-27T09:32:27.568 INFO:tasks.ceph.osd.2.argo017.stderr: 2: (()+0xf680) [0x7f298a5d2680]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 3: (gsignal()+0x37) [0x7f29895f3207]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 4: (abort()+0x148) [0x7f29895f48f8]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 5: (ceph::__ceph_assert_fail(char const*, char const*, int,
char const*)+0x284) [0x55e5294a7444]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 6:
(PrimaryLogPG::eval_repop(PrimaryLogPG::RepGather*)+0x524) [0x55e52908ba64]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 7:
(PrimaryLogPG::repop_all_applied(PrimaryLogPG::RepGather*)+0x74) [0x55e52908c334]
2018-07-27T09:32:27.569 INFO:tasks.ceph.osd.2.argo017.stderr: 8: (Context::complete(int)+0x9) [0x55e528f507e9]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 9: (ECBackend::handle_sub_write_reply(pg_shard_t,
ECSubWriteReply const&, ZTracer::Trace const&)+0x193) [0x55e52921a8c3]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 10:
(ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)+0x2df) [0x55e52921c9ef]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 11:
(PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)+0x50) [0x55e5291215b0]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 12:
(PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>&, ThreadPool::TPHandle&)+0x59c) [0x55e52908d18c]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 13: (OSD::dequeue_op(boost::intrusive_ptr<PG>,
boost::intrusive_ptr<OpRequest>, ThreadPool::TPHandle&)+0x3f9) [0x55e528f12689]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 14:
(PGQueueable::RunVis::operator()(boost::intrusive_ptr<OpRequest> const&)+0x57) [0x55e52918f877]
2018-07-27T09:32:27.570 INFO:tasks.ceph.osd.2.argo017.stderr: 15: (OSD::ShardedOpWQ::_process(unsigned int,
ceph::heartbeat_handle_d*)+0xfce) [0x55e528f410ae]
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr: 16:
(ShardedThreadPool::shardedthreadpool_worker(unsigned int)+0x839) [0x55e5294acde9]
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr: 17:
(ShardedThreadPool::WorkThreadSharded::entry()+0x10) [0x55e5294aed80]
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr: 18: (()+0x7dd5) [0x7f298a5cadd5]
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr: 19: (clone()+0x6d) [0x7f29896bbb3d]
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr:2018-07-27 13:32:27.436419 7f296b703700 -1 Caught signal
(Aborted) *
2018-07-27T09:32:27.571 INFO:tasks.ceph.osd.2.argo017.stderr: in thread 7f296b703700 thread_name:tp_osd_tp

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#### Related issues:

Related to RADOS - Bug #19605: OSD crash: PrimaryLogPG.cc: 8396: FAILED asser...	Resolved	04/13/2017
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#### History

##### #1 - 07/30/2018 06:36 PM - Shylesh Kumar

- Related to Bug #19605: OSD crash: PrimaryLogPG.cc: 8396: FAILED assert(repop\_queue.front() == repop) added

##### #3 - 07/31/2018 10:53 PM - Neha Ojha

Do we have logs for this failure somewhere?

##### #4 - 08/01/2018 11:33 PM - Josh Durgin

- Assignee changed from Josh Durgin to Neha Ojha

##### #5 - 12/14/2018 07:25 AM - Venky Shankar

seen again here:

[http://qa-proxy.ceph.com/teuthology/yuriw-2018-12-12\\_21:15:36-kcephfs-wip-yuri5-testing-2018-12-12-1653-luminous-testing-basic-smithi/3331079/t](http://qa-proxy.ceph.com/teuthology/yuriw-2018-12-12_21:15:36-kcephfs-wip-yuri5-testing-2018-12-12-1653-luminous-testing-basic-smithi/3331079/t)

on v12.2.10

**#6 - 05/28/2019 10:32 PM - Patrick Donnelly**

- Subject changed from *OSD assert failure with FAILED assert(repop\_queue.front() == repop) In function 'void PrimaryLogPG::eval\_repop(PrimaryLogPG::RepGather\*)'* to *osd: assert failure with FAILED assert(repop\_queue.front() == repop) In function 'void PrimaryLogPG::eval\_repop(PrimaryLogPG::RepGather\*)'*

- Start date deleted (07/30/2018)

**#7 - 12/13/2019 03:43 PM - Neha Ojha**

- Status changed from *New* to *Can't reproduce*

**#8 - 04/10/2020 03:29 AM - Yan Jun**

this is likely duplicated with <https://tracker.ceph.com/issues/22570>  
and resolved by <https://github.com/ceph/ceph/pull/19796>