Ceph - Bug #9891

"Assertion: os/DBObjectMap.cc: 1214: FAILED assert(0)" in upgrade:firefly-x-giant-distro-basic-multi run

10/26/2014 08:42 AM - Yuri Weinstein

<table>
<thead>
<tr>
<th>Status</th>
<th>Resolved</th>
<th>Start date:</th>
<th>10/26/2014</th>
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</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Urgent</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee</td>
<td>Samuel Just</td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category</td>
<td></td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version</td>
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<td>Spent time:</td>
<td>0.00 hour</td>
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<td>Source</td>
<td>Q/A</td>
<td>Reviewed:</td>
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<td>giant, firefly</td>
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<tr>
<td>Regression</td>
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</tbody>
</table>

Description
(from scrape)

Assertion: os/DBObjectMap.cc: 1214: FAILED assert(0)

ceph version 0.86-104-gb05efdd (b05efddb77290b86eb5c150776c761ab84f66f37)

1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x8b) [0xb81feb]
2: (DBObjectMap::lookup_parent(std::tr1::shared_ptr<DBObjectMap::Header>)+0x798) [0xa2da28]
3: (DBObjectMap::_clear(std::tr1::shared_ptr<DBObjectMap::Header>, std::tr1::shared_ptr<KeyValueDB::TransactionImpl>)+0xf4) [0xa30e74]
4: (DBObjectMap::clear(ghobject_t const&, SequencerPosition const*)&+0x202) [0xa35962]
5: (FileStore::ln_unlink(coll_t, ghobject_t const&, SequencerPosition const&, bool)+0x16b) [0x8ff01b]
6: (FileStore::remove(coll_t, ghobject_t const&, SequencerPosition const&, bool)+0x16b) [0x8ff4ab]
7: (FileStore::do_transaction(ObjectStore::Transaction&, unsigned long, int, ThreadPool::THHandle*)+0x2cc1) [0x90ff01]
8: (FileStore::do_transactions(std::list<ObjectStore::Transaction*, std::allocator<ObjectStore::Transaction*> >&+, unsigned long, ThreadPool::THHandle*)+0x64) [0x913624]
9: (FileStore::do_op(FileStore::OpSequencer*, ThreadPool::THHandle*)+0x18f) [0x9137cf]
10: (ThreadPool::worker(ThreadPool::WorkThread*)+0xa46) [0xbb73176]
11: (ThreadPool::WorkThread::entry()+0x10) [0xb74220]
12: (pthread_mutex_lock+0x8182) [0x7ffbf6ff8182]
13: (clone()+0x6d) [0x7ffbf5563fbd]

branch: giant
description: upgrade:firefly-x/parallel/[0-cluster/start.yaml 1-firefly-install/firefly.yaml
2-workload/[ic-rados-default.yaml rados_api.yaml rados_loadgenbig.yaml test_rbd_api.yaml
test_rbd_python.yaml] 3-upgrade-sequence/upgrade-all.yaml 4-final-workload/[rados-snaps-few-objects.yaml
rados_loadgenmix.yaml rados_mon_thrash.yaml rbd_clsv.yaml rbd_export_export.yaml
gw_swift.yaml] 5/distros/ubuntu_14.04.yaml
email: ceph-qa@ceph.com
job_id: '571584'
kernel: #id001
kdb: true
sha1: distro
last_in_suite: false
machine_type: plana, burnupi, mira
nuke-on-error: true
os_type: ubuntu
os_version: '14.04'
overrides:
  admin_socket:
    branch: giant
ceph:
    conf:
      mon:
        debug mon: 20
        debug ms: 1
        debug paxos: 20
        mon warn on legacy crush tunables: false
      osd:
        debug filestore: 20
        debug journal: 20
        debug ms: 1
        debug osd: 20
      log-white-list:
        - slow request
        - scrub mismatch
        - ScrubResult
    sha1: b05efddb77290b86eb5c150776c761ab84f66f37
ceph-deploy:
  branch:
    dev: giant
  conf:
    client:
      log file: /var/log/ceph/ceph-$name.$pid.log
    mon:
      debug mon: 1
      debug ms: 20
      debug paxos: 20
      osd default pool size: 2
  install:
    ceph:
      sha1: b05efddb77290b86eb5c150776c761ab84f66f37
    s3tests:
      branch: giant
      workunit:
        sha1: b05efddb77290b86eb5c150776c761ab84f66f37
      owner: scheduled_teuthology@teuthology
      priority: 99
      roles:
        - mon.a
        - mds.a
        - osd.0
        - osd.1
        - mon.b
        - mon.c
        - osd.2
        - osd.3
        - client.0
        - client.1
      suite: upgrade:firefly-x
    suite_branch: giant
    suite_path: /var/lib/teuthworker/src/ceph-qa-suite_giant
  targets:
    ubuntu@burnupi55.front.sepia.ceph.com: ssh-rsa
    ubuntu@plana29.front.sepia.ceph.com: ssh-rsa
    ubuntu@plana38.front.sepia.ceph.com: ssh-rsa
tasks:
- internal.lock_machines:
  - 3
  - plana,burnupi,mira
- internal.save_config: null
- internal.check_lock: null
- internal.connect: null
- internal.push_inventory: null
- internal.serialize_remote_roles: null
- internal.check_conflict: null
- internal.check_ceph_data: null
- internal.vm_setup: null
- kernel: *id001
- internal.base: null
- internal.archive: null
- internal.coredump: null
- internal.sudo: null
- internal.syslog: null
- internal.timer: null
- chef: null
- clock.check: null
- install:
  - branch: firefly
  - print: ‘**** done installing firefly’
- ceph:
  - fs: xfs
  - print: ‘**** done ceph’
- parallel:
  - workload
  - upgrade-sequence
  - print: ‘**** done parallel’
- rados:
  - clients:
    - client.1
    - objects: 50
    - op_weights:
      - delete: 50
      - read: 100
      - rollback: 50
      - snap_create: 50
      - snap_remove: 50
      - write: 100
    - ops: 4000
  - workunit:
    - clients:
      - client.1:
        - rados/load-gen-mix.sh
  - mon_thash:
    - revive_delay: 20
    - thrash_delay: 1
  - workunit:
    - clients:
      - client.1:
        - rados/test.sh
  - workunit:
    - clients:
      - client.1:
        - cls/test_cls_rbd.sh
  - workunit:
    - clients:
      - client.1:
        - rbd/import_export.sh
env:

11/25/2015
RBD_CREATE_ARGS: --new-format

rgw:
  - client.1
swift:
  client.1:
    rgw_server: client.1
teuthology_branch: master
tube: multi
upgrade-sequence:
  sequential:
    - install.upgrade:
      mon.a: null
      mon.b: null
    - ceph.restart:
      - mon.a
      - mon.b
      - mon.c
      - mds.a
      - osd.0
      - osd.1
      - osd.2
      - osd.3
verbose: true
worker_log: /var/lib/teuthworker/archive/worker_logs/worker.multi.3115
workload:
  sequential:
    - rados:
      clients:
        - client.0
      ec_pool: true
      objects: 50
      op_weights:
        append: 100
        copy_from: 50
        delete: 50
        read: 100
        rmattr: 25
        rollback: 50
        setattr: 25
        snap_create: 50
        snap_remove: 50
        write: 0
        ops: 4000
    - workunit:
      branch: firefly
      clients:
        client.0:
          - cls
    - workunit:
      branch: firefly
      clients:
        client.0:
          - rados/load-gen-big.sh
    - workunit:
      branch: firefly
      clients:
        client.0:
          - rbd/test_librbd.sh
    - workunit:
      branch: firefly
      clients:
        client.0:
          - rbd/test_librbd_python.sh
description: upgrade:firefly-x/parallel/[0-cluster/start.yaml 1-firefly-install/firefly.yaml 2-workload/[ec-rados-default.yaml rados_api.yaml rados_loadgenbig.yaml test_rbd_api.yaml test_rbd_python.yaml] 3-upgrade-sequence/upgrade-all.yaml 4-final-workload/[rados-snaps-few-objects.yaml rados_loadgenmix.yaml rados_mon_thrash.yaml rbd_cls.yaml rbd_import_export.yaml rgw_swift.yaml] distros/ubuntu_14.04.yaml

duration: 2967.701498031616

failure_reason: "wait_until_healthy" reached maximum tries (150) after waiting for 900 seconds

flavor: basic

owner: scheduled_teuthology@teuthology

status: fail

success: false

History

#1 - 10/27/2014 02:44 PM - Samuel Just

2014-10-25 18:56:23.243655 7f6dddc5e700 20 filestore dbobjectmap: seq is 485
2014-10-25 18:56:23.243559 7f6d43f700 20 filestore dbobjectmap: seq is 486
2014-10-25 18:56:23.243602 7f6d43f700 20 filestore dbobjectmap: seq is 487
2014-10-25 18:56:23.243628 7f6d43f700 20 filestore set_header: setting seq 324
2014-10-25 18:56:30.801289 7ffbf8345900 0 ceph version 0.86-104-gb05efdd (b05efddb77290bb86eb5c150776c761ab84f66f37), process ceph-osd, pid 18817
2014-10-25 18:56:31.104055 7ffbf8345900 20 filestore (init)dbobjectmap: seq is 485
2014-10-25 18:56:40.629704 7ffbe8e4d700 20 filestore(dbobjectmap) clone
2014-10-25 18:56:40.629834 7ffbe8e4d700 20 filestore dbobjectmap: seq is 487
2014-10-25 18:56:40.629878 7ffbe8e4d700 20 filestore dbobjectmap: seq is 488
2014-10-25 18:56:40.629907 7ffbe8e4d700 20 filestore set_header: setting seq 453
2014-10-25 18:56:40.629926 7ffbe8e4d700 20 filestore set_map_header: setting 486 oid ac9ea7a1/burnupi5544081-15/head//3/18446744073709551615/1 parent seq 453
2014-10-25 18:56:40.629959 7ffbe8e4d700 20 filestore set_map_header: setting 487 oid ac9ea7a1/burnupi5544081-15/64/3/18446744073709551615/1 parent seq 453
2014-10-25 18:56:41.920056 7ffbe8e4d700 20 filestore clear_header: clearing seq 486
2014-10-25 18:56:41.933829 7ffbe8e4d700 20 filestore remove_map_header: removing 489 oid ac9ea7a1/burnupi5544081-15/head//3/360/1
2014-10-25 18:56:41.933842 7ffbe8e4d700 10 filestore oid: 1113f7/pglog_3.as2/0/-1 not skipping op, *spos 7669.0.4
2014-10-25 18:56:41.933844 7ffbe8e4d700 20 filestore clear_header: clearing seq 489
2014-10-25 18:56:41.933847 7ffbe964e700 10 filestore > header.spos 0.0.0
2014-10-25 18:56:41.933890 7ffbe964e700 15 filestore(dbobjectmap) clone
2014-10-25 18:56:41.933932 7ffbe964e700 10 filestore oid: 1113f7/pglog_3.as2/0/-1 not skipping op, *spos 7669.0.5
2014-10-25 18:56:41.933937 7ffbe964e700 10 filestore > header.spos 0.0.0
2014-10-25 18:56:41.934078 7ffbe964e700 10 filestore(dbobjectmap) clone
2014-10-25 18:56:41.934107 7ffbe964e700 10 filestore(dbobjectmap) clone
2014-10-25 18:56:41.934108 7ffbe964e700 20 filestore lookup_parent: parent 486 for seq 489

So, the transaction updating dbobjectmap seq didn't apply for some reason. It would have been submitted before the transaction actually writing out the nodes using it, so that's definitely odd since burnupi5544081-40/45/3/484/2 was apparently written out with seq 486. This must be either a filesystem thing or a leveldb thing. It's not clear to me how it could have been a filesystem thing through.
does not appear to be a ceph issue.. either bad disk or leveldb corruption or something. lowering priority.

#3 - 12/04/2014 01:43 PM - Samuel Just
- Status changed from New to Rejected

#4 - 01/12/2015 07:51 AM - Loic Dachary

0> 2015-01-11 09:18:46.804341 7f6d1c7c3700 -1 os/DBObjectMap.cc: In function 'DBObjectMap::Header::DBObjectMap::lookup_parent(DBObjectMap::Header)' thread 7f6d1c7c3700 time 2015-01-11 09:18:46.775993
0x/DBObjectMap.cc: 1214: FAILED assert(0)

ceph version 0.87-87-g0ea20e6 (0ea20e6c51208d6710f469454ab3964bfa7c9d2)
1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x7f) [0xaa04bf]
2: (DBObjectMap::lookup_parent(std::tr1::shared_ptr<DBObjectMap::Header>, std::tr1::shared_ptr<KeyValueDB::TransactionImpl>+0xe5) [0x9792c5]
3: (DBObjectMap::clear(DBObjectMap::Header, SequencerPosition const*)+0x925) [0x9790e5]
4: (DBObjectMap::clear(ghobject_t const&, SequencerPosition const&)+0xe5) [0x9790e5]
5: (FileStore::lfn_unlink(ghobject_t, SequencerPosition const&)+0x250) [0x8ab400]
6: (FileStore::remove(ghobject_t const&, SequencerPosition const&)+0x172) [0x8ab872]
7: (FileStore::do_transaction(ObjectStore::Transaction&, unsigned long, int, ThreadPool::TPHandle*, ObjectStore::Transaction*)+0x3bcc) [0x8bbc5c]
8: (FileStore::do_transactions(std::list<ObjectStore::Transaction*, std::allocator<ObjectStore::Transaction*>*)+0x7e9a) [0x7f6d27eabe9a]
9: (clone()+0x6d) [0x7f6d268768d4]

NOTE: a copy of the executable, or `objdump -rdS <executable>` is needed to interpret this.
# Status changed from Rejected to New

See in release giant v0.87.1 RC
Job: [754710]

Assertion: os/DBObjectMap.cc: 1214: FAILED assert(0)
ceph version 0.87-159-gccb0914 (ccb0914f76da23acdd7374233cd1939ab80ef3c8)
1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x8b) [0xb82c4b]
2: (DBObjectMap::lookup_parent(std::tr1::shared_ptr<DBObjectMap::Header>)+0x798) [0xa2e6d8]
3: (DBObjectMap::clear(std::tr1::shared_ptr<DBObjectMap::Header>, std::tr1::shared_ptr<KeyValueDB::TransactionImpl>)+0xf4) [0xa31b24]
4: (DBObjectMap::clear(gobject_t const&, SequencerPosition const*)+0x202) [0xa36612]
5: (FileStore::lfn_unlink(coll_t, gobject_t const&, SequencerPosition const&, bool)+0x16b) [0x8ff55b]
6: (FileStore::remove(coll_t, gobject_t const&, SequencerPosition const&)+0x8b) [0x8ff9eb]
7: (FileStore::do_transaction(ObjectStore::Transaction&, unsigned long, int, ThreadPool::TPHandle*)+0x2cc1) [0x910441]
8: (FileStore::do_transactions(std::list<ObjectStore::Transaction*, std::allocator<ObjectStore::Transaction*> > >, unsigned long, ThreadPool::TPHandle*)+0x64) [0x913b64]
9: (FileStore::do_op(FileStore::OpSequencer*, ThreadPool::TPHandle*)+0x18f) [0x913d0f]
10: (ThreadPool::worker(ThreadPool::WorkThread*)+0xa46) [0xb73dd6]
11: (ThreadPool::WorkThread::entry()+0x10) [0xb74e80]
12: (i+0x8182) [0x7f5c2522de182]
13: (clone()+0x6d) [0x7f5c23848efd]

# Backport set to giant

# Priority changed from High to Urgent

# Verified that this test:
rados/thrash-erasure-code/([clusters/ fixed-2.yaml fs/xfs.yaml msgr-failures/few.yaml thrashers/default.yaml workloads/ec-rados-plugin- jerasure-k=2-m=1.yaml]
#9 - 02/20/2015 09:32 PM - Samuel Just
- Status changed from New to Testing
- Assignee set to Samuel Just
- Backport changed from giant to hammer, giant, firefly, dumpling

2015-02-13 03:40:47.208535 7f0e9b5ec700 20 filestore dbobjectmap: seq is 271
2015-02-13 03:40:47.208564 7f0e9adeb700 20 filestore dbobjectmap: seq is 271
2015-02-13 03:40:47.208579 7f0e9b5ec700 20 filestore dbobjectmap: seq is 272

Note that there are two threads participating there! DBObjectMap::sync() doesn't take the header_lock!

#10 - 02/20/2015 09:32 PM - Samuel Just
This can be ignored for the present giant release though.

#11 - 03/04/2015 03:12 PM - Samuel Just
- Status changed from Testing to Pending Backport

#12 - 03/11/2015 09:18 AM - Loic Dachary

- firefly backport https://github.com/ceph/ceph/pull/3948

#13 - 03/19/2015 09:32 AM - Loic Dachary

- giant backport https://github.com/ceph/ceph/pull/4094

#14 - 03/26/2015 12:23 PM - Loic Dachary
- Backport changed from hammer, giant, firefly, dumpling to hammer, giant, firefly

dumpling is end of life

#15 - 03/26/2015 12:27 PM - Loic Dachary
- Backport changed from hammer, giant, firefly to giant, firefly

already in hammer

#16 - 03/26/2015 12:27 PM - Loic Dachary
- Status changed from Pending Backport to Resolved