

bluestore - Bug #52234

crash in Throttle::get()

08/11/2021 06:47 PM - Telemetry Bot

Status: New	% Done: 0%
Priority: Normal	
Assignee:	
Category:	
Target version:	
Source: Telemetry	Affected Versions: v16.2.4, v16.2.5
Tags:	ceph-qa-suite:
Backport:	Pull request ID:
Regression: No	Crash signature (v1): 6dadff6c079acfcfa84282b695ce3885e86 d94636b6852629d675eb008db1ca1
Severity: 3 - minor	Crash signature (v2): ee9f576579ca7da4020a64078393ab6b7 6981893f12d6bdcac15bb141b726365
Reviewed:	

Description

http://telemetry.front.sepia.ceph.com:4000/d/jByk5HaMz/crash-spec-x-ray?orgId=1&var-sig_v2=ee9f576579ca7da4020a64078393ab6b76981893f12d6bdcac15bb141b726365

Sanitized backtrace:

```
/lib64/libpthread.so.0(
pthread_cond_wait()
std::condition_variable::wait(std::unique_lock<std::mutex>&)
Throttle::_wait(long, std::unique_lock<std::mutex>&)
Throttle::get(long, long)
BlueStore::BlueStoreThrottle::try_start_transaction(KeyValueDB&, BlueStore::TransContext&, std
::chrono::time_point<ceph::mono_clock, std::chrono::duration<unsigned long, std::ratio<11, 1000000
0001> > >)
BlueStore::queue_transactions(boost::intrusive_ptr<ObjectStore::CollectionImpl>&, std::vector<
ceph::os::Transaction, std::allocator<ceph::os::Transaction> >&, boost::intrusive_ptr<TrackedOp>,
ThreadPool::TPHandle*)
ObjectStore::queue_transaction(boost::intrusive_ptr<ObjectStore::CollectionImpl>&, ceph::os::T
ransaction&&, boost::intrusive_ptr<TrackedOp>, ThreadPool::TPHandle*)
non-virtual thunk to PrimaryLogPG::queue_transaction(ceph::os::Transaction&&, boost::intrusive
_ptr<OpRequest>)
ECBackend::dispatch_recovery_messages(RecoveryMessages&, int)
ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)
PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)
PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>&, ThreadPool::TPHandle&)
OSD::dequeue_op(boost::intrusive_ptr<PG>, boost::intrusive_ptr<OpRequest>, ThreadPool::TPHandl
e&)
ceph::osd::scheduler::PGRecoveryMsg::run(OSD*, OSDShard*, boost::intrusive_ptr<PG>&, ThreadPoo
l::TPHandle&)
OSD::ShardedOpWQ::_process(unsigned int, ceph::heartbeat_handle_d*)
ShardedThreadPool::shardedthreadpool_worker(unsigned int)
ShardedThreadPool::WorkThreadSharded::entry()
/lib64/libpthread.so.0(
clone())
```

Crash dump sample:

```
{
```

```

"backtrace": [
  "/lib64/libpthread.so.0(+0x12b20) [0x7f76f0cc1b20]",
  "pthread_cond_wait()",
  "(std::condition_variable::wait(std::unique_lock<std::mutex>&)+0x10) [0x7f76f03068f0]",
  "(Throttle::_wait(long, std::unique_lock<std::mutex>&)+0x10d) [0x55f74bfc712d]",
  "(Throttle::get(long, long)+0xb9) [0x55f74bfc7b49]",
  "(BlueStore::BlueStoreThrottle::try_start_transaction(KeyValueDB&, BlueStore::TransContext
&, std::chrono::time_point<ceph::mono_clock, std::chrono::duration<unsigned long, std::ratio<1l, 1
0000000001> > >)+0x29) [0x55f74be0d409]",
  "(BlueStore::queue_transactions(boost::intrusive_ptr<ObjectStore::CollectionImpl>&, std::v
ector<ceph::os::Transaction, std::allocator<ceph::os::Transaction> >&, boost::intrusive_ptr<Tracke
dOp>, ThreadPool::TPHandle*)+0x854) [0x55f74be8e144]",
  "(ObjectStore::queue_transaction(boost::intrusive_ptr<ObjectStore::CollectionImpl>&, ceph:
:os::Transaction&&, boost::intrusive_ptr<TrackedOp>, ThreadPool::TPHandle*)+0x85) [0x55f74b9b0ee5]
",
  "(non-virtual thunk to PrimaryLogPG::queue_transaction(ceph::os::Transaction&&, boost::int
rusive_ptr<OpRequest>)+0x53) [0x55f74baea793]",
  "(ECBackend::dispatch_recovery_messages(RecoveryMessages&, int)+0xb85) [0x55f74bd02d65]",
  "(ECBackend::_handle_message(boost::intrusive_ptr<OpRequest>)+0x22c) [0x55f74bd13d6c]",
  "(PGBackend::handle_message(boost::intrusive_ptr<OpRequest>)+0x52) [0x55f74bb1ddd2]",
  "(PrimaryLogPG::do_request(boost::intrusive_ptr<OpRequest>&, ThreadPool::TPHandle&)+0x5de)
[0x55f74bac0e5e]",
  "(OSD::dequeue_op(boost::intrusive_ptr<PG>, boost::intrusive_ptr<OpRequest>, ThreadPool::T
PHandle&)+0x309) [0x55f74b94a299]",
  "(ceph::osd::scheduler::PGRecoveryMsg::run(OSD*, OSDShard*, boost::intrusive_ptr<PG>&, Thr
eadPool::TPHandle&)+0x68) [0x55f74bba72e8]",
  "(OSD::ShardedOpWQ::_process(unsigned int, ceph::heartbeat_handle_d*)+0xa58) [0x55f74b96a2
c8]",
  "(ShardedThreadPool::shardedthreadpool_worker(unsigned int)+0x5c4) [0x55f74bfd1074]",
  "(ShardedThreadPool::WorkThreadSharded::entry()+0x14) [0x55f74bfd3d14]",
  "/lib64/libpthread.so.0(+0x814a) [0x7f76f0cb714a]",
  "clone()"
],
"ceph_version": "16.2.5",
"crash_id": "2021-08-02T04:47:51.939022Z_4532de0f-310a-462a-b2f0-fc74fcef7703",
"entity_name": "osd.12bf74eb311d97792ca579e48eb22537fea92e63",
"os_id": "centos",
"os_name": "CentOS Linux",
"os_version": "8",
"os_version_id": "8",
"process_name": "ceph-osd",
"stack_sig": "6dadff6c079acfcfa84282b695ce3885e86d94636b6852629d675eb008db1ca1",
"timestamp": "2021-08-02T04:47:51.939022Z",
"utsname_machine": "x86_64",
"utsname_release": "4.18.0-305.10.2.el8_4.x86_64",
"utsname_sysname": "Linux",
"utsname_version": "#1 SMP Mon Jul 12 04:43:18 EDT 2021"
}

```

Related issues:

Duplicated by bluestore - Bug #52205: crash: /lib64/libpthread.so.0(

Duplicate

Duplicated by bluestore - Bug #52203: crash: /lib64/libpthread.so.0(

Duplicate

History

#1 - 08/11/2021 06:47 PM - Telemetry Bot

- Crash signature (v1) updated

- Crash signature (v2) updated

- Affected Versions v16.2.4, v16.2.5 added

#2 - 10/07/2021 02:23 PM - Neha Ojha

- Duplicated by Bug #52205: crash: /lib64/libpthread.so.0(added

#3 - 10/07/2021 02:26 PM - Neha Ojha

- Duplicated by Bug #52203: crash: /lib64/libpthread.so.0(added

#4 - 10/07/2021 02:26 PM - Neha Ojha

- Subject changed from crash: /lib64/libpthread.so.0(to crash in Throttle::get()

#5 - 10/12/2021 06:16 PM - Igor Fedotov

Relevant thread at ceph-users: <https://lists.ceph.io/hyperkitty/list/ceph-users@ceph.io/thread/GNBVS2AWHCOVMOTXPHZNIG2KKLC4VNVA/>

#6 - 10/12/2021 06:28 PM - Igor Fedotov

So far kernels 4.18 and 5.11 are mentioned among suffering ones

#7 - 10/12/2021 06:30 PM - Igor Fedotov

May be this modification is relevant as it appeared in Pacific and touches throttling mechanics... <https://github.com/ceph/ceph/pull/30027>