

## Ceph - Bug #6130

### SharedPtrRegistry\_all.wait\_lookup\_or\_create fails inconsistently

08/26/2013 04:26 PM - Greg Farnum

|   |                              |
|---|------------------------------|
| <b>Status:</b> Resolved   | <b>% Done:</b> 100%          |
| <b>Priority:</b> Normal   | <b>Spent time:</b> 1.00 hour |
| <b>Assignee:</b> Loic Dachary   |                              |
| <b>Category:</b>  |                              |
| <b>Target version:</b>  |                              |
| <b>Source:</b> Development  | <b>Reviewed:</b>             |
| <b>Tags:</b>  | <b>Affected Versions:</b>    |
| <b>Backport:</b>  | <b>ceph-qa-suite:</b>        |
| <b>Regression:</b> No   | <b>Pull request ID:</b>      |
| <b>Severity:</b> 3 - minor  | <b>Crash signature:</b>      |
| <b>Description</b><br><a href="#">pull request</a><br><br>I noticed via the gitbuilders that this unit test is inconsistently failing. I can run it repeatedly on my dev box and get intermittent failures with the same binary. I assume there's a race in the test code of some kind rather than the SharedPtrRegistry actually being broken. |                              |
| <b>Related issues:</b><br>Related to Ceph - Bug #6679: throttle: transient unit test failure <b>Resolved</b> <b>10/29/2013</b>  |                              |

#### Associated revisions

##### Revision af5281e0 - 08/27/2013 11:59 AM - Loic Dachary

common: move SharedPtrRegistry test after t.join

The thread created to test SharedPtrRegistry race conditions updates a value ( ptr ) that is tested by the main gtest thread but is not protected by a lock. Instead of adding a lock, the main thread tests the value after pthread\_join() on the child thread.

<http://tracker.ceph.com/issues/6130> fixes #6130

Signed-off-by: Loic Dachary <[loic@dachary.org](mailto:loic@dachary.org)>

#### History

##### #1 - 08/27/2013 04:46 AM - Loic Dachary

- Status changed from New to 12

```
while : ; do ./unittest_sharedptr_registry --gtest_filter=SharedPtrRegistry_all.wait_lookup_or_create || break ; done
```

```
Note: Google Test filter = SharedPtrRegistry_all.wait_lookup_or_create
[=====] Running 1 test from 1 test case.
[-----] Global test environment set-up.
[-----] 1 test from SharedPtrRegistry_all
[ RUN      ] SharedPtrRegistry_all.wait_lookup_or_create
test/common/test_sharedptr_registry.cc:140: Failure
Value of: t.ptr
  Actual: false
```

```
Expected: true
[ FAILED ] SharedPtrRegistry_all.wait_lookup_or_create (1 ms)
[-----] 1 test from SharedPtrRegistry_all (1 ms total)

[-----] Global test environment tear-down
[=====] 1 test from 1 test case ran. (1 ms total)
[ PASSED ] 0 tests.
[ FAILED ] 1 test, listed below:
[ FAILED ] SharedPtrRegistry_all.wait_lookup_or_create

1 FAILED TEST
```

**#2 - 08/27/2013 04:46 AM - Loic Dachary**

- Status changed from 12 to In Progress

**#3 - 08/27/2013 05:08 AM - Loic Dachary**

- Status changed from In Progress to Fix Under Review

- % Done changed from 0 to 90

**#4 - 08/27/2013 05:10 AM - Loic Dachary**

- Description updated

**#5 - 08/27/2013 11:11 AM - Greg Farnum**

Sam reviewed and merged into master, commit: 7cc2eb246df14925ca27b8dee19b32e0bdb505a8

**#6 - 08/27/2013 12:00 PM - Loic Dachary**

- Status changed from Fix Under Review to Resolved

- % Done changed from 90 to 100

cool :-)