

Messengers - Bug #16955

circular lock in Messenger/MessengerTest.SimpleTest/1

08/08/2016 11:26 AM - Kefu Chai

Status:	Resolved	Start date:	08/08/2016
Priority:	Normal	Due date:	
Assignee:	Kefu Chai	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Reviewed:	
Source:	Development	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:		Pull request ID:	
Regression:	No		
Severity:	3 - minor		

Description

```
2016-08-08 18:59:26.771624 7f9a65d5fd80 -1 ceph_test_msgr SetUp start set up simple
2016-08-08 18:59:26.771819 7f9a65d5fd80 -1 ceph_test_msgr ms_handle_fast_connect0xabf71a0
2016-08-08 18:59:26.771829 7f9a65d5fd80 -1 ceph_test_msgr ms_handle_fast_connect con: 0xabf71a0 c
ount: 0
2016-08-08 18:59:26.772100 7f9a65d56700 -1 ceph_test_msgr ms_handle_fast_connect0xabf71a0
2016-08-08 18:59:26.772211 7f9a65d56700 -1 ceph_test_msgr ms_handle_fast_connect0xac8d220
2016-08-08 18:59:26.772251 7f9a65d56700 -1 ceph_test_msgr ms_handle_fast_connect con: 0xac8d220 c
ount: 0
2016-08-08 18:59:26.772328 7f9a5c6a2700 -1 ceph_test_msgr ms_fast_dispatch conn: 0x7f9a1c001c50 s
ession 0x7f9a20001e70 count: 1
2016-08-08 18:59:26.772337 7f9a5c6a2700 0
```

```
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existing dependency SimpleMessenger::Pipe::pipe_lock (18) -> FakeDispatcher::lock (17) at:
ceph version Development (no_version)
```

- 1: (Mutex::_will_lock()+0x3b) [0xf74d31]
- 2: (Mutex::Lock(bool)+0x50) [0xf74aac]
- 3: (Mutex::Locker::Locker(Mutex&)+0x2f) [0xf1035d]
- 4: (FakeDispatcher::ms_handle_fast_accept(Connection*))+0x39) [0xf146e9]
- 5: (Messenger::ms_deliver_handle_fast_accept(Connection*))+0x83) [0x1320f1b]
- 6: (Pipe::accept()+0x4f6a) [0x130c8a0]
- 7: (Pipe::reader()+0x62) [0x1316f2c]
- 8: (Pipe::Reader::entry()+0x1c) [0x1320f9a]
- 9: (Thread::entry_wrapper()+0xc1) [0x11770af]
- 10: (Thread::_entry_func(void*))+0x18) [0x1176fe4]
- 11: (()+0x7464) [0x7f1c7a9fe464]
- 12: (clone()+0x6d) [0x7f1c7713b30d]

```
new dependency FakeDispatcher::lock (17) -> SimpleMessenger::Pipe::pipe_lock (18) creates a cycle
at
```

- ```
ceph version Development (no_version)
```
- 1: (Mutex::\_will\_lock()+0x3b) [0xf74d31]
  - 2: (Mutex::Lock(bool)+0x50) [0xf74aac]
  - 3: (SimpleMessenger::submit\_message(Message\*, PipeConnection\*, entity\_addr\_t const&, int, bool)+0
x454) [0x10652a4]
  - 4: (SimpleMessenger::\_send\_message(Message\*, Connection\*))+0x2c9) [0x1062c33]
  - 5: (SimpleMessenger::send\_message(Message\*, Connection\*))+0x2b) [0x1326b8d]
  - 6: (PipeConnection::send\_message(Message\*))+0x5d) [0x1326983]
  - 7: (FakeDispatcher::reply\_message(Message\*))+0x56) [0xf154ee]
  - 8: (FakeDispatcher::ms\_fast\_dispatch(Message\*))+0x35a) [0xf1532e]
  - 9: (Messenger::ms\_fast\_dispatch(Message\*))+0xd1) [0x12f4171]
  - 10: (DispatchQueue::fast\_dispatch(Message\*))+0x3e) [0x12f237e]
  - 11: (Pipe::reader()+0x1e15) [0x1318cdf]
  - 12: (Pipe::Reader::entry()+0x1c) [0x1320f9a]

```
13: (Thread::entry_wrapper()+0xc1) [0x11770af]
14: (Thread::_entry_func(void*)+0x18) [0x1176fe4]
15: (()+0x7464) [0x7f1c7a9fe464]
16: (clone()+0x6d) [0x7f1c7713b30d]
```

```
2016-08-08 18:59:26.779902 7f9a5c6a2700 0 btw, i am holding these locks:
2016-08-08 18:59:26.779903 7f9a5c6a2700 0 FakeDispatcher::lock (17)
2016-08-08 18:59:26.779904 7f9a5c6a2700 0 FakeDispatcher::Session::lock (19)
2016-08-08 18:59:26.779905 7f9a5c6a2700 0
```

#### Related issues:

Duplicated by Ceph - Bug #16932: ceph\_test\_msgr hang

**Duplicate**

**08/04/2016**

#### History

##### #1 - 08/08/2016 12:00 PM - Kefu Chai

- Description updated

##### #2 - 08/08/2016 12:25 PM - Kefu Chai

- Related to Bug #16932: ceph\_test\_msgr hang added

##### #3 - 08/08/2016 04:06 PM - Kefu Chai

- Category set to msgr

- Status changed from New to Need Review

- Assignee set to Kefu Chai

- Source changed from other to Development

<https://github.com/ceph/ceph/pull/10612>

##### #4 - 08/09/2016 09:12 AM - Kefu Chai

- Status changed from Need Review to Resolved

##### #5 - 08/17/2016 04:40 PM - Kefu Chai

- Related to deleted (Bug #16932: ceph\_test\_msgr hang)

##### #6 - 08/17/2016 04:40 PM - Kefu Chai

- Duplicated by Bug #16932: ceph\_test\_msgr hang added

##### #7 - 03/12/2019 11:12 PM - Greg Farnum

- Project changed from Ceph to Messengers

- Category deleted (msgr)