

Ceph - Bug #11576

ceph fails to compile with boost 1.58

05/08/2015 07:17 AM - Kefu Chai

Status:	Resolved	Start date:	05/08/2015
Priority:	Low	Due date:	
Assignee:	Kefu Chai	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	Development	Reviewed:	
Tags:		Affected Versions:	
Backport:	hammer,firefly	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		

Description

```
CXX      mon/OSDMonitor.lo
In file included from /usr/include/boost/variant.hpp:22:0,
             from ./common/cmdparse.h:9,
             from ./common/ceph_context.h:25,
             from ./common/Mutex.h:20,
             from ./common/Throttle.h:7,
             from ./msg/Message.h:28,
             from ./msg/Messenger.h:23,
             from mon/OSDMonitor.h:29,
             from mon/OSDMonitor.cc:22:
/usr/include/boost/variant/get.hpp: In instantiation of 'typename boost::add_reference<const U>::type boost::strict_get(const boost::variant<T0, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19>&) [with U = int; T0 = std::basic_string<char>; T1 = bool; T2 = long int; T3 = double; T4 = std::vector<std::basic_string<char> >; T5 = boost::detail::variant::void_; T6 = boost::detail::variant::void_; T7 = boost::detail::variant::void_; T8 = boost::detail::variant::void_; T9 = boost::detail::variant::void_; T10 = boost::detail::variant::void_; T11 = boost::detail::variant::void_; T12 = boost::detail::variant::void_; T13 = boost::detail::variant::void_; T14 = boost::detail::variant::void_; T15 = boost::detail::variant::void_; T16 = boost::detail::variant::void_; T17 = boost::detail::variant::void_; T18 = boost::detail::variant::void_; T19 = boost::detail::variant::void_; typename boost::add_reference<const U>::type = const int&]':
/usr/include/boost/variant/get.hpp:299:25:   required from 'typename boost::add_reference<const U>::type boost::get(const boost::variant<T0, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19>&) [with U = int; T0 = std::basic_string<char>; T1 = bool; T2 = long int; T3 = double; T4 = std::vector<std::basic_string<char> >; T5 = boost::detail::variant::void_; T6 = boost::detail::variant::void_; T7 = boost::detail::variant::void_; T8 = boost::detail::variant::void_; T9 = boost::detail::variant::void_; T10 = boost::detail::variant::void_; T11 = boost::detail::variant::void_; T12 = boost::detail::variant::void_; T13 = boost::detail::variant::void_; T14 = boost::detail::variant::void_; T15 = boost::detail::variant::void_; T16 = boost::detail::variant::void_; T17 = boost::detail::variant::void_; T18 = boost::detail::variant::void_; T19 = boost::detail::variant::void_; typename boost::add_reference<const U>::type = const int&]'
./common/cmdparse.h:47:26:   required from 'bool cmd_getval(CephContext*, const cmdmap_t&, std::string, T&) [with T = int; cmdmap_t = std::map<std::basic_string<char>, boost::variant<std::basic_string<char>, bool, long int, double, std::vector<std::basic_string<char> > > >; std::string = std::basic_string<char>]'
mon/OSDMonitor.cc:3178:54:   required from here
/usr/include/boost/variant/get.hpp:195:48: error: invalid application of 'sizeof' to incomplete type 'boost::STATIC_ASSERTION_FAILURE<false>'
Makefile:16427: recipe for target 'mon/OSDMonitor.lo' failed
```

see http://www.boost.org/doc/libs/1_58_0/doc/html/boost/relaxed_get.html and

http://www.boost.org/doc/libs/1_58_0/doc/html/boost/get_idp295310448.html, boost 1.58 introduced "strict_get" and boost::get is an alias of it. but we are using boost::get<int>(tuple<int64, ...>)

Related issues:

Copied to Ceph - Backport #11982: ceph fails to compile with boost 1.58	Resolved	05/08/2015
Copied to Ceph - Backport #12202: ceph fails to compile with boost 1.58	Resolved	05/08/2015

Associated revisions

Revision e7b196a4 - 05/08/2015 08:01 AM - Kefu Chai

mon: remove unused variable

- as a side effect, this change silences <http://tracker.ceph.com/issues/11576>

Fixes: #11576

Signed-off-by: Kefu Chai <kchai@redhat.com>

Revision 0e5e7e1d - 07/01/2015 05:48 PM - Kefu Chai

mon: remove unused variable

- as a side effect, this change silences <http://tracker.ceph.com/issues/11576>

Fixes: #11576

Signed-off-by: Kefu Chai <kchai@redhat.com>
(cherry picked from commit e7b196a4a091c0ea258866559ba06e7ed0cc4247)

Revision 1d2af55f - 07/02/2015 01:32 PM - Kefu Chai

mon: remove unused variable

- as a side effect, this change silences <http://tracker.ceph.com/issues/11576>

Fixes: #11576

Signed-off-by: Kefu Chai <kchai@redhat.com>
(cherry picked from commit e7b196a4a091c0ea258866559ba06e7ed0cc4247)

History

#1 - 05/08/2015 07:22 AM - Kefu Chai

- Description updated

#2 - 05/08/2015 08:01 AM - Kefu Chai

- Description updated

#3 - 05/08/2015 10:19 AM - Kefu Chai

- Status changed from New to Resolved

<https://github.com/ceph/ceph/pull/4616>

#4 - 06/12/2015 06:50 AM - Kefu Chai

- Status changed from Resolved to Pending Backport

- Backport set to hammer

#5 - 07/01/2015 05:52 PM - Abhishek Lekshmanan

hammer backport: <https://github.com/ceph/ceph/pull/5122>

#6 - 07/02/2015 01:29 PM - Nathan Cutler

- Backport changed from hammer to hammer,firefly

#7 - 07/22/2015 07:45 AM - Nathan Cutler

- Status changed from Pending Backport to Resolved