Ceph - Bug #11576

ceph fails to compile with boost 1.58

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

Status: Resolved
Priority: Low
Assignee: Kefu Chai
Category: 
Target version: 
Source: Development
Tags: hammer, firefly
Regression: No
Severity: 3 - minor

Description

CXX /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&

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: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 Backport #11982: 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