

LeechCraft - Bug #2047

Core fails to compile with Boost 1.65.0 and GCC 6.4.0

09/17/2017 08:55 AM - krigtask

Status:	Closed	Start date:	09/17/2017
Priority:	Normal	Due date:	
Assignee:	0xd34df00d	% Done:	100%
Category:	Core	Estimated time:	1.00 hour
Target version:	0.6.75		
Reported in:	master		

Description

Gentoo ~amd64, Boost 1.65.0, GCC 6.4.0

I'm not sure Boost version is relevant, but I can't recompile core after updating Boost (`emerge @preserved-rebuild`)

```
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp: In instantiation of 'LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)> [with auto:14 = QString&]':
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/oldcppkludges.h:40:71: required by substitution of 'template<class F, class ... Args> decltype (forward<F>(f) (forward<Args>) (LeechCraft::Util::Invoke::args)...) LeechCraft::Util::Invoke(F&&, Args&& ...) [with F = LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>; Args = {QString&}]'
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/prelude.h:136:35: required from 'constexpr bool LeechCraft::Util::detail::DoesReturnVoid() [with F = LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>; Cont = QStringList]'
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/prelude.h:174:69: required by substitution of 'template<class Container, class F, class> auto LeechCraft::Util::Map(Container&, F) [with Container = QStringList; F = LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>; <template-parameter-1-3> = <missing>]'
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp:120:61: required from here
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp:120:60: error: cannot call member function 'virtual ITagsManager::tag_id LeechCraft::TagsManager::GetID(const QString&)' without object
    [this] (auto&& tag) { return GetID (tag.simplified ()); };
                                ^
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp: In instantiation of 'LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)> [with auto:14 = const QString&]':
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/oldcppkludges.h:40:71: required by substitution of 'template<class F, class ... Args> decltype (forward<F>(f) (forward<Args>) (LeechCraft::Util::Invoke::args)...) LeechCraft::Util::Invoke(F&&, Args&& ...) [with F = LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>; Args = {const QString&}]'
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/prelude.h:179:11: required from 'auto LeechCraft::Util::Map(const Container&, F) [with Container = QStringList; F = LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>; <template-parameter-1-3> = void]'
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp:120:61: required from here
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp:120:60: error: cannot call member function 'virtual ITagsManager::tag_id LeechCraft::TagsManager::GetID(const QString&)' without object
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp: In member function 'virtual QStringList LeechCraft::TagsManager::SplitToIDs(const QString&)':
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tagsmanager.cpp:119:19: error: could not convert 'LeechCraft::Util::Map<QStringList, LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>, void>(LeechCraft::TagsManager::Split(const QString&) const (* & string)), <lambda closure object>LeechCraft::TagsManager::SplitToIDs(const QString&)::<lambda(auto:14&&)>{((LeechCraft::TagsManager*)this)}' from 'void' to 'QStringList'
    return Util::Map (Split (string),
```

```
~~~~~^~~~~~
[this] (auto&& tag) { return GetID (tag.simplified ()); });
~~~~~
In file included from /var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./u
til/sll/prelude.h:37:0,
      from /var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/tags
manager.cpp:38:
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/oldcppkludges.
h: At global scope:
/var/tmp/portage/app-leechcraft/lc-core-9999/work/lc-core-9999/src/core/./util/sll/oldcppkludges.
h:40:7: error: 'decltype (forward<F>(f)((forward<Args>)(LeechCraft::Util::Invoke::args)...)) Leech
Craft::Util::Invoke(F&&, Args&& ...) [with F = LeechCraft::TagsManager::SplitToIDs(const QString&
)::<lambda(auto:14&&)>&&; Args = {const QString&}; decltype (forward<F>(f)((forward<Args>)(LeechCraf
t::Util::Invoke::args)...)) = void]', declared using local type 'LeechCraft::TagsManager::SplitToI
Ds(const QString&)::<lambda(auto:14&&)>' , is used but never defined [-fpermissive]
      auto Invoke (F&& f, Args&&... args) -> decltype (std::forward<F> (f) (std::forward<Args> (args).
..))
      ^~~~~~
make[2]: *** [core/CMakeFiles/leechcraft-qt5.dir/build.make:603: core/CMakeFiles/leechcraft-qt5.di
r/tagsmanager.cpp.o] Error 1
```

Associated revisions

Revision e7bfd374 - 09/17/2017 07:57 PM - 0xd34df00d

[Core] Workaround gcc 6 crappiness. Fixes #2047.

History

#1 - 09/17/2017 07:55 PM - 0xd34df00d

- Estimated time set to 1.00 h
- Target version set to 0.6.75
- Status changed from New to Assigned

Meh, another gcc 6 deficiency.

#2 - 09/17/2017 07:57 PM - 0xd34df00d

- % Done changed from 0 to 100
- Status changed from Assigned to Resolved

Applied in changeset [main|e7bfd374550519780c5dd823770f7eda6ea916cb](#).

#3 - 09/24/2017 03:37 AM - 0xd34df00d

- Status changed from Resolved to Closed

Should be OK.