

## LeechCraft - Bug #2040

### advancednotifications build error: expected unqualified-id before '[' token" in `UnhandledNotificationsKeeper::GetRulesEntities`

07/04/2017 09:42 PM - krigtask

<b>Status:</b>	Closed	<b>Start date:</b>	07/04/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	0xd34df00d	<b>% Done:</b>	100%
<b>Category:</b>	Plugins: AN	<b>Estimated time:</b>	1.00 hour
<b>Target version:</b>	0.6.75		
<b>Reported in:</b>	master		

#### Description

```
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp: In member function 'QList<Leech
Craft::Entity> LeechCraft::AdvancedNotifications::UnhandledNotificationsKeeper::GetRulesEntities(c
onst QList<QModelIndex>&) const':
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:20: error: expected unqualif
ied-id before '[' token
    for (const auto& [entityNode, fieldNodes] : Util::Stlize (hierarchy))
        ^
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:20: error: expected ';' befo
re '[' token
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:21: error: 'entityNode' was
not declared in this scope
    for (const auto& [entityNode, fieldNodes] : Util::Stlize (hierarchy))
        ^~~~~~
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:33: error: 'fieldNodes' was
not declared in this scope
    for (const auto& [entityNode, fieldNodes] : Util::Stlize (hierarchy))
        ^~~~~~
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp: In lambda function:
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:45: error: expected '{' befo
re ':' token
    for (const auto& [entityNode, fieldNodes] : Util::Stlize (hierarchy))
        ^
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp: In member function 'QList<Leech
Craft::Entity> LeechCraft::AdvancedNotifications::UnhandledNotificationsKeeper::GetRulesEntities(c
onst QList<QModelIndex>&) const':
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:45: error: expected ';' befo
re ':' token
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:45: error: expected primary-
expression before ':' token
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:45: error: expected ')' befo
re ':' token
/var/tmp/portage/app-leechcraft/lc-advancednotifications-9999/work/lc-advancednotifications-9999/s
rc/plugins/advancednotifications/unhandlednotificationskeeper.cpp:128:45: error: expected primary-
expression before ':' token
make[2]: *** [CMakeFiles/leechcraft_advancednotifications.dir/build.make:640: CMakeFiles/leechcraf
t_advancednotifications.dir/unhandlednotificationskeeper.cpp.o] Error 1
```

Gentoo ~amd64

```
% gcc -v
Using built-in specs.
COLLECT_GCC=/usr/x86_64-pc-linux-gnu/gcc-bin/6.3.0/gcc
COLLECT_LTO_WRAPPER=/usr/libexec/gcc/x86_64-pc-linux-gnu/6.3.0/lto-wrapper
Target: x86_64-pc-linux-gnu
Configured with: /var/tmp/portage/sys-devel/gcc-6.3.0/work/gcc-6.3.0/configure --host=x86_64-pc-linux-gnu --build=x86_64-pc-linux-gnu --prefix=/usr --bindir=/usr/x86_64-pc-linux-gnu/gcc-bin/6.3.0 --includedir=/usr/lib/gcc/x86_64-pc-linux-gnu/6.3.0/include --datadir=/usr/share/gcc-data/x86_64-pc-linux-gnu/6.3.0 --mandir=/usr/share/gcc-data/x86_64-pc-linux-gnu/6.3.0/man --infodir=/usr/share/gcc-data/x86_64-pc-linux-gnu/6.3.0/info --with-gxx-include-dir=/usr/lib/gcc/x86_64-pc-linux-gnu/6.3.0/include/g++-v6 --with-python-dir=/share/gcc-data/x86_64-pc-linux-gnu/6.3.0/python --enable-languages=c,c++,go,fortran --enable-obsolete --enable-secureplt --disable-werror --with-system-zlib --enable-nls --without-included-gettext --enable-checking=release --with-bugurl=https://bugs.gentoo.org/ --with-pkgversion='Gentoo 6.3.0 p1.0' --disable-esp --enable-libstdcxx-time --enable-shared --enable-threads=posix --enable-__cxa_atexit --enable-clocale=gnu --enable-multilib --with-multilib-list=m32,m64 --disable-altivec --disable-fixed-point --enable-targets=all --disable-libgcj --enable-libgomp --disable-libmudflap --disable-libssp --disable-libcilkrts --disable-libmpx --enable-version-verify --enable-libvtv --enable-lto --with-isl --disable-isl-version-check --enable-libsanitizer --disable-default-pie --enable-default-ssp
Thread model: posix
gcc version 6.3.0 (Gentoo 6.3.0 p1.0)
```

## Associated revisions

### Revision 0b561dcc - 07/05/2017 02:56 AM - 0xd34df00d

[AN] gcc 6 compatibility.

Fixes #2040.

## History

### #1 - 07/04/2017 09:56 PM - 0xd34df00d

Mind upgrading to gcc 7 or using clang 4? :)

Jokes aside, I'm considering whether it's worth keeping stuff compatible with gcc 6 (and pre-C++17-compilers, in general). How do you reckon?

### #2 - 07/04/2017 10:15 PM - krigstask

0xd34df00d wrote:

Mind upgrading to gcc 7 or using clang 4? :)

Jokes aside, I'm considering whether it's worth keeping stuff compatible with gcc 6 (and pre-C++17-compilers, in general). How do you reckon?

I don't think it's wise, really.

If you care for Leechcraft adoption, that is.

The only more-or-less widespread distro with GCC 7 as of today is... well, you know... ArchLinux.

If people need to install bleeding edge compiler just for Leechcraft, that would be a huge reason not to try Leechcraft.

I don't feel too happy either, although I'm hooked up already, and would have to bite the bullet, install clang and configure Portage to compile leechcraftz with it.

### #3 - 07/04/2017 10:20 PM - 0xd34df00d

- Estimated time set to 1.00 h

- Target version set to 0.6.75

- Assignee set to 0xd34df00d

- Status changed from New to Assigned

- Category set to Plugins: AN

and would have to bite the bullet, install clang and configure Portage to compile leechcraftz with it

Nvm, I'll make that plugin compatible with gcc 6 again (and, moreover, I got another request for this change already anyway).

BTW openSUSE Factory and Debian Unstable both seem to have gcc 7 available now. Let's hope gcc 7 would be unmasked in Gentoo soon.

**#4 - 07/05/2017 02:56 AM - 0xd34df00d**

- % Done changed from 0 to 100

- Status changed from Assigned to Resolved

Applied in changeset [main|0b561dcc9fac952567e2e382022f73bbf9164a5b](#).

**#5 - 07/10/2017 05:10 AM - 0xd34df00d**

- Status changed from Resolved to Closed