

**Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Bug #64**  
**audacious uses system includes (potentially from previous version) when building from source**

January 28, 2012 18:32 - Vladimir Timofeev

<b>Status:</b>	Closed	<b>Start date:</b>	January 28, 2012
<b>Priority:</b>	Minor	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.2.1		
<b>Affects version:</b>	3.2		
<b>Description</b>  My system (freebsd-9.0) has installed audacious-3.1.1 from ports. It's full install with all dev files, so it has /usr/local/include/audacious/* I try build new version from sources: tar xjf audacious-3.2.tar.bz2 cd audacious-3.2 bash configure --prefix=\$HOME/audacious --with-libintl-prefix=/usr/local gmake ...  Entering directory libaudcore. In file included from tuple_formatter.h:23, from tuple.c:39: /usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory In file included from tuple_compiler.h:25, from tuple_compiler.c:43: /usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory In file included from tuple_compiler.h:25, from tuple_formatter.c:24: /usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory  and many more...  It's because -I/usr/local/include added as first element to CPPFLAGS  postgresql use this constructs: override CPPFLAGS := -I\$(libpq_srcdir) \$(CPPFLAGS)  xterm has in Makefile.in: CPPFLAGS = -I. -I\$(srcdir) -DHAVE_CONFIG_H CPPFLAGS \$(EXTRA_CPPFLAGS)  gnome soft (pidgin, ekiga, etc...) uses analogs in Makefile.am: from pidgin: AM_CPPFLAGS = \ -DDATADIR=\"\$(datadir)\" \ -DLIBDIR=\"\$(libdir)/pidgin/\" \ -DLOCALEDIR=\"\$(datadir)/locale/\" \ -DSYSCONFDIR=\"\$(sysconfdir)\" \ -I\$(top_builddir)/libpurple \ -I\$(top_srcdir)/libpurple/ \ -I\$(top_builddir) \ -I\$(top_srcdir) \ \$(GLIB_CFLAGS) \ \$(GCR_CFLAGS) \ \$(GSTREAMER_CFLAGS) \ ...  So I propose attached patch (against 3.2 sources), it do 2 things: 1. Prepends CPPFLAGS in buildsys.mk with -I. for local includes, -I\$(abs_top_srcdir) for config.h and -I\$(abs_top_srcdir)/src for other project includes 2. Cleanups other Makefiles where -I. -I.. appends to end of CPPFLAGS			

patch can be applied as `cd audacious-3.2; patch -p1 < improve-makefiles.patch`

## History

---

### #1 - January 30, 2012 17:29 - John Lindgren

It's because `-l/usr/local/include` added as first element to `CPPFLAGS`

Where is this added? It seems wrong.

### #2 - January 30, 2012 18:04 - John Lindgren

After this change:

<https://github.com/audacious-media-player/audacious/commit/062809bfb88aa495cd4ca375489d45ae98d89331>

I am able to compile Audacious 3.2 fine on FreeBSD 9 with the binary package for Audacious 2.5.4 installed under `/usr/local`.

### #3 - January 30, 2012 18:15 - Vladimir Timofeev

John Lindgren wrote:

It's because `-l/usr/local/include` added as first element to `CPPFLAGS`

Where is this added? It seems wrong.

It's added in all makefiles (see patch). For example:

`src/libaudcore/Makefile`:

1. includes `buildsys.mk` in line 27 (after that `CPPFLAGS = /usr/local/include` this do configure while process `buildsys.mk.in`)
  2. includes `extra.mk` in line 28 (it doesn't touch `CPPFLAGS`)
  3. then line 32: `CPPFLAGS += -DHAVE_CONFIG_H ${PTHREAD_CFLAGS} ${GLIB_CFLAGS} -I. -I../..`
- And now `CPPFLAGS = /usr/local/include -DHAVE_CONFIG_H ${PTHREAD_CFLAGS} ${GLIB_CFLAGS} -I. -I../..`

### #4 - January 30, 2012 22:10 - Vladimir Timofeev

John Lindgren wrote:

After this change:

<https://github.com/audacious-media-player/audacious/commit/062809bfb88aa495cd4ca375489d45ae98d89331>

I am able to compile Audacious 3.2 fine on FreeBSD 9 with the binary package for Audacious 2.5.4 installed under /usr/local.

Strange... I'm not much familiar with autotools.

After cloning repo from github, I simple run autoconf and:

configure.ac:11: error: possibly undefined macro: AC\_SUBST

If this token and others are legitimate, please use m4\_pattern\_allow.

See the Autoconf documentation.

configure.ac:44: error: possibly undefined macro: AC\_DEFINE

configure.ac:58: error: possibly undefined macro: AM\_GNU\_GETTEXT

configure.ac:117: error: possibly undefined macro: AC\_PATH\_PROG

File configure was created, when run:

bash configure --prefix=\$HOME/audacious --with-libintl-prefix=/usr/local

configure: WARNING: unrecognized options: --with-libintl-prefix

...

checking for cexpf... yes

checking for /proc/self/exe... no

configure: line 3755: syntax error near unexpected token `external'

configure: line 3755: `AM\_GNU\_GETTEXT(external)'

What I can try to build from git repo?

But AFAIK this doesn't resolve issues with CPPFLAGS, it's only change LDFLAGS...

#### **#5 - January 31, 2012 01:51 - John Lindgren**

Don't run autoconf directly; use ./autogen.sh instead.

#### **#6 - January 31, 2012 01:53 - John Lindgren**

I get no /usr/local/include in CPPFLAGS in buildsys.mk here.

#### **#7 - January 31, 2012 22:22 - Vladimir Timofeev**

John Lindgren wrote:

I get no /usr/local/include in CPPFLAGS in buildsys.mk here.

Yes I found source of /usr/local/include in CPPFLAGS, it's a --with-libintl-prefix=/usr/local option for configure! I.e. check for libintl add it. But without this option:

```
Entering directory libaudcore.
In file included from audstrings.c:29:
../audacious/i18n.h:23:21: error: libintl.h: No such file or directory
In file included from tuple.c:34:
../audacious/i18n.h:23:21: error: libintl.h: No such file or directory
Successfully generated dependencies.
Successfully compiled audio.c (lib).
In file included from audstrings.c:29:
../audacious/i18n.h:23:21: error: libintl.h: No such file or directory
```

So, i try configure and make without any options (with default prefix /usr/local):

```
Entering directory libaudcore.
In file included from tuple_formatter.h:23,
      from tuple.c:39:
/usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory
In file included from tuple_compiler.h:25,
      from tuple_compiler.c:43:
/usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory
In file included from tuple_compiler.h:25,
      from tuple_formatter.c:24:
/usr/local/include/libaudcore/tuple.h:29:20: error: mowgli.h: No such file or directory
```

And generated buildsys.mk again have -I/usr/local/include

**#8 - February 01, 2012 18:24 - John Lindgren**

See if this commit fixes the problem:

<https://github.com/audacious-media-player/audacious/commit/bd57afcdf19c7519f1e35ebc8b196e066f571a74>

#9 - February 01, 2012 19:34 - Vladimir Timofeev

John Lindgren wrote:

See if this commit fixes the problem:  
<https://github.com/audacious-media-player/audacious/commit/bd57afcdf19c7519f1e35ebc8b196e066f571a74>

Yes!  
Now build complete!  
And you changes more structured, than in my patch. Thanks!

#10 - February 01, 2012 20:31 - John Lindgren

- Status changed from New to Closed
- Target version set to 3.2.1
- % Done changed from 0 to 100
- Affects version 3.2 added
- Affects version deleted ()

Files

improve-makefiles.patch	3.57 KB	January 28, 2012	Vladimir Timofeev
-------------------------	---------	------------------	-------------------