
Subject: latest [-svn-] nightly build 16135 fails to compile

Posted by [slashupp](#) on Tue, 21 Dec 2021 07:46:55 GMT

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linux

using <https://www.ultimatepp.org/downloads/upp-posix-16135.tar.xz>

when I run make in unpacked upp/ I get:

```
...
mkdir -p .cache/upp.out/CtrlCore/GCC-Gcc-Gui-Linux-Posix-Shared/
mkdir -p .cache/upp.out/plugin/bmp/GCC-Gcc-Gui-Linux-Posix-Shared/
mkdir -p .cache/upp.out/RichText/GCC-Gcc-Gui-Linux-Posix-Shared/
(date '+#define bmYEAR  %y%n#define bmMONTH  %m%n#define bmDAY  %d%n#define
bmHOUR  %H%n#define bmMINUTE  %M%n#define bmSECOND  %S%n#define bmTIME
Time( %y, %m, %d, %H, %M, %S )' | sed 's| 0\([[:digit:]]\)| \1|g' && \
echo '#define bmMACHINE ""'hostname`"" && \
echo '#define bmUSER  ""'whoami`""') > ".cache/upp.out//build_info.h"
c++ -c -x c++ -O3 -ffunction-sections -fdata-sections -std=c++14 -I./uppsrc/ `pkg-config --cflags
freetype2` `pkg-config --cflags fontconfig` `pkg-config --cflags x11` `pkg-config --cflags xcb`
`pkg-config --cflags expat` `pkg-config --cflags libpng` `pkg-config --cflags xinerama` `pkg-config
--cflags xrender` `pkg-config --cflags xft` `pkg-config --cflags xdmcp` `pkg-config --cflags xext`
`pkg-config --cflags gtk+-3.0` `pkg-config --cflags libnotify` -I./ -I.cache/upp.out/ -DflagGUI
-DflagGCC -DflagSHARED -DflagPOSIX -DflagLINUX -DflagMAIN ./uppsrc/ide/BaseDlg.cpp -o
.cache/upp.out/ide/GCC-Gcc-Gui-Linux-Main-Posix-Shared/BaseDlg.o
In file included from ./uppsrc/Core/Core.h:281,
      from ./uppsrc/Esc/Esc.h:4,
      from ./uppsrc/ide/Core/Core.h:4,
      from ./uppsrc/ide/Common/Common.h:4,
      from ./uppsrc/ide/ide.h:4,
      from ./uppsrc/ide/BaseDlg.cpp:1:
./uppsrc/Core/Ops.h: In function 'Upp::byte Upp::addc64(Upp::uint64&, const uint64&, Upp::byte)':
./uppsrc/Core/Ops.h:231:9: error: '_addcarry_u64' was not declared in this scope
    return _addcarry_u64(carry, result, value, &result);
           ^~~~~~
make: *** [Makefile:615: .cache/upp.out/ide/GCC-Gcc-Gui-Linux-Main-Posix-Shared/BaseDlg.o]
Error 1
```

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [slashupp](#) on Thu, 23 Dec 2021 11:57:20 GMT

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As suggested by Klugier I downloaded ultimatepp-master from Github
and tried to compile but get same error as above.

Should I get another branch? & where is it?

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [Klugier](#) on Thu, 23 Dec 2021 14:24:26 GMT

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Hello,

I see you are using makefile to build TheIDE. Could you try to install with ./install script (make sure you satisfied build requirements):

klugier@X470Pro:Dokumenty/upp \$./install

Following command should be used to install required packages:

```
sudo pacman -Sy --needed gcc make zlib bzip2 gtk3 libnotify openssl clang pkgconfig gdb
```

Install script can run this command for you, but that will require your sudo password.

Do you want the script to do that (Y/n)?n // <- You could run it if you want (I skipped, because I have all dependencies)

Please make sure that build dependencies are satisfied.

Continue (Y/n)?

Use prebuilt binary umks32 to accelerate the build (Y/n)?Y

Also use prebuild umk32 in order to build TheIDE.

I downloaded last nightly 16138 from our site and compiled it on Linux (Manjaro KDE x64).

Everything works fine. Could you also provide information about your distribution and architecture.

Klugier

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [busiek](#) on Thu, 23 Dec 2021 21:54:56 GMT

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Hi all.

I have the same error with build 16138. Using umk32 doesn't help.

I have Ubuntu 18.04.2 LTS. gcc 7.5.0. Processor is Intel(R) Xeon(R) CPU E5-2630 v4, so it is broadwell. What else do you need?

Kuba

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [slashupp](#) on Fri, 24 Dec 2021 09:09:07 GMT

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tried on ubuntu 20.04 lts, debian stable, devuan stable
same error on all

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [busiek](#) on Fri, 24 Dec 2021 10:29:05 GMT

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However, when I used gcc 9.4.0 (I compiled it from sources), the error has gone and installation went smoothly using adjusted Makefile to this gcc version.

busiek wrote on Thu, 23 December 2021 22:54Hi all.

I have the same error with build 16138. Using umk32 doesn't help.

I have Ubuntu 18.04.2 LTS. gcc 7.5.0. Processor is Intel(R) Xeon(R) CPU E5-2630 v4, so it is broadwell. What else do you need?

Kuba

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [Klugier](#) on Fri, 24 Dec 2021 12:55:12 GMT

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Hello,

It seems that older version of gcc requires inclusion of x86intrin.h in order to include `_addcarry_u64` function correctly. Could you modify Core/Ops.h file (Just place following code at the begging of the file (line 1-3) and compile again:

```
#ifdef COMPILER_GCC
#include <x86intrin.h>
#endif
```

Please let me know if it works for you.

Source:

- <https://stackoverflow.com/questions/36292944/undefined-reference-to-addcarry-u64>

Klugier

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [slashupp](#) on Sat, 25 Dec 2021 08:55:14 GMT

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@Klugier, that worked, thx
& merry xmas!
(why am i here on xmasday?!?!)

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [Klugier](#) on Mon, 27 Dec 2021 11:29:04 GMT

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Hello Slash and Kuba,

Mirek pushes new fix (different than mine). Could you download latest nightly and test again?

Klugier

Subject: Re: latest [-svn-] nightly build 16135 fails to compile

Posted by [mirek](#) on Tue, 28 Dec 2021 09:49:00 GMT

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Klugier wrote on Fri, 24 December 2021 13:55Hello,

It seems that older version of gcc requires inclusion of x86intrin.h in order to include _addcarry_u64 function correctly. Could you modify Core/Ops.h file (Just place following code at the begging of the file (line 1-3) and compile again:

```
#ifdef COMPILER_GCC
#include <x86intrin.h>
#endif
```

Please let me know if it works for you.

Source:

- <https://stackoverflow.com/questions/36292944/undefined-reference-to-addcarry-u64>

Klugier

It seems `#include` does not really solve the problem (I have tried...), the check for compiler version is really required.
