Subject: Problem with FreeBSD
Posted by lovmy on Fri, 02 Dec 2016 09:04:52 GMT
View Forum Message <> Reply to Message

I copied the MyApp directory of a windows under FreeBSD 11.0 and when I compile I have the following error:

Error: 'abs' is missing exception specification 'throw ()'

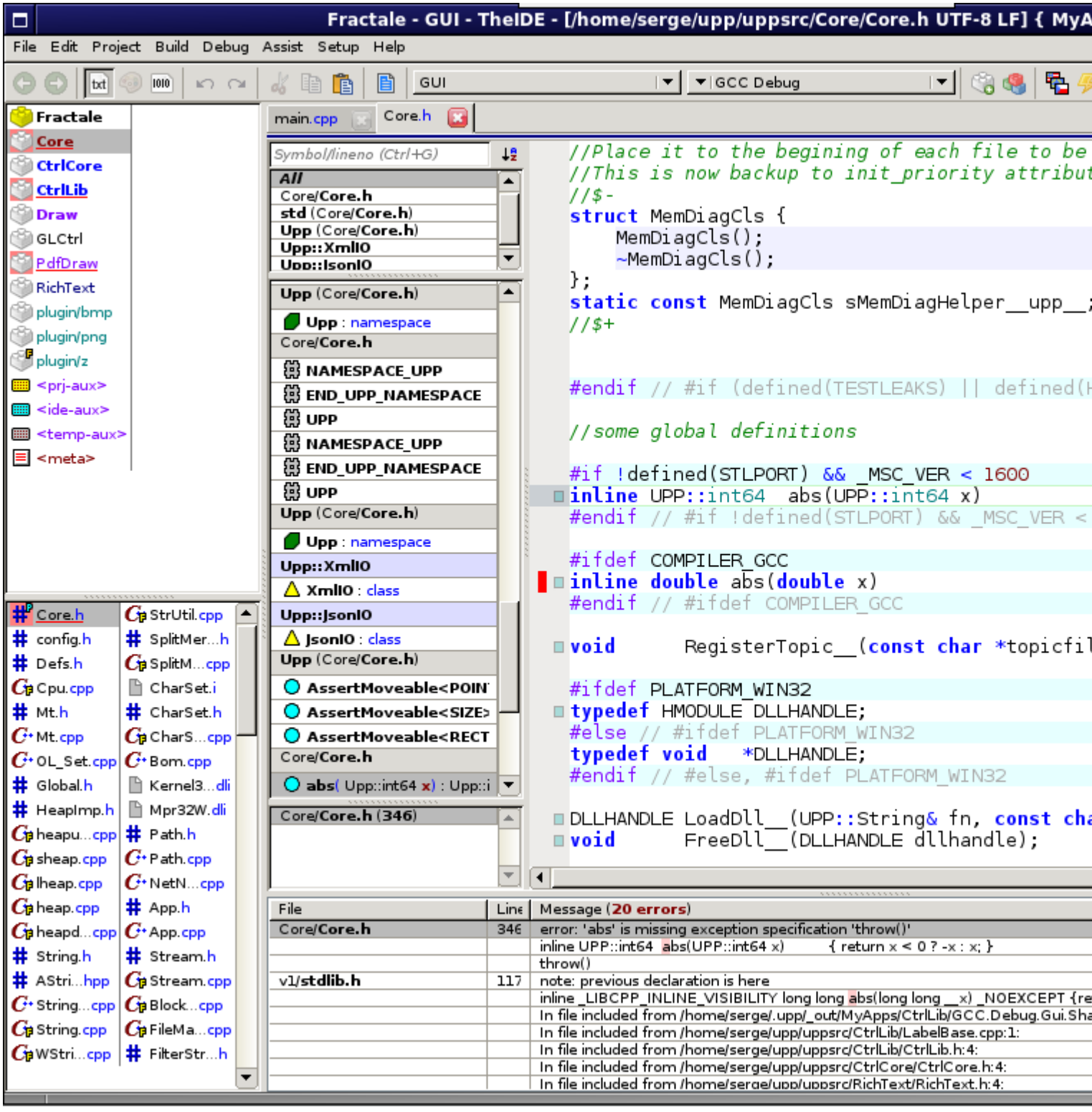
(see abs.png)

On Windows everything works.

Can you help me ?

File Attachments

1) abs.png, downloaded 886 times



Subject: Re: Problem with FreeBSD
Posted by Mindtraveller on Sat, 03 Dec 2016 09:33:35 GMT
View Forum Message <> Reply to Message

Which U++ version are you using?
I'm using it with clang under FreeBSD 10 without any problems.

Subject: Re: Problem with FreeBSD
Posted by lovmy on Wed, 07 Dec 2016 09:27:14 GMT
View Forum Message <> Reply to Message

Hi,

I have upgraded my FreeBSD from 10.1 to 11.0, this is my actual version:

FreeBSD freebsd 11.0-RELEASE-p2 FreeBSD 11.0-RELEASE-p2 #0:
Mon Oct 24 06:55:27 UTC 2016
root@amd64-builder.daemonology.net:/usr/obj/usr/src/sys/GENERIC amd64

I'm using UPP version 9251 (64 bit) (Gtk) compiled 12/03/ 16 07:41:40.

I have created project under Windows and i try to compile it on FreeBSD.

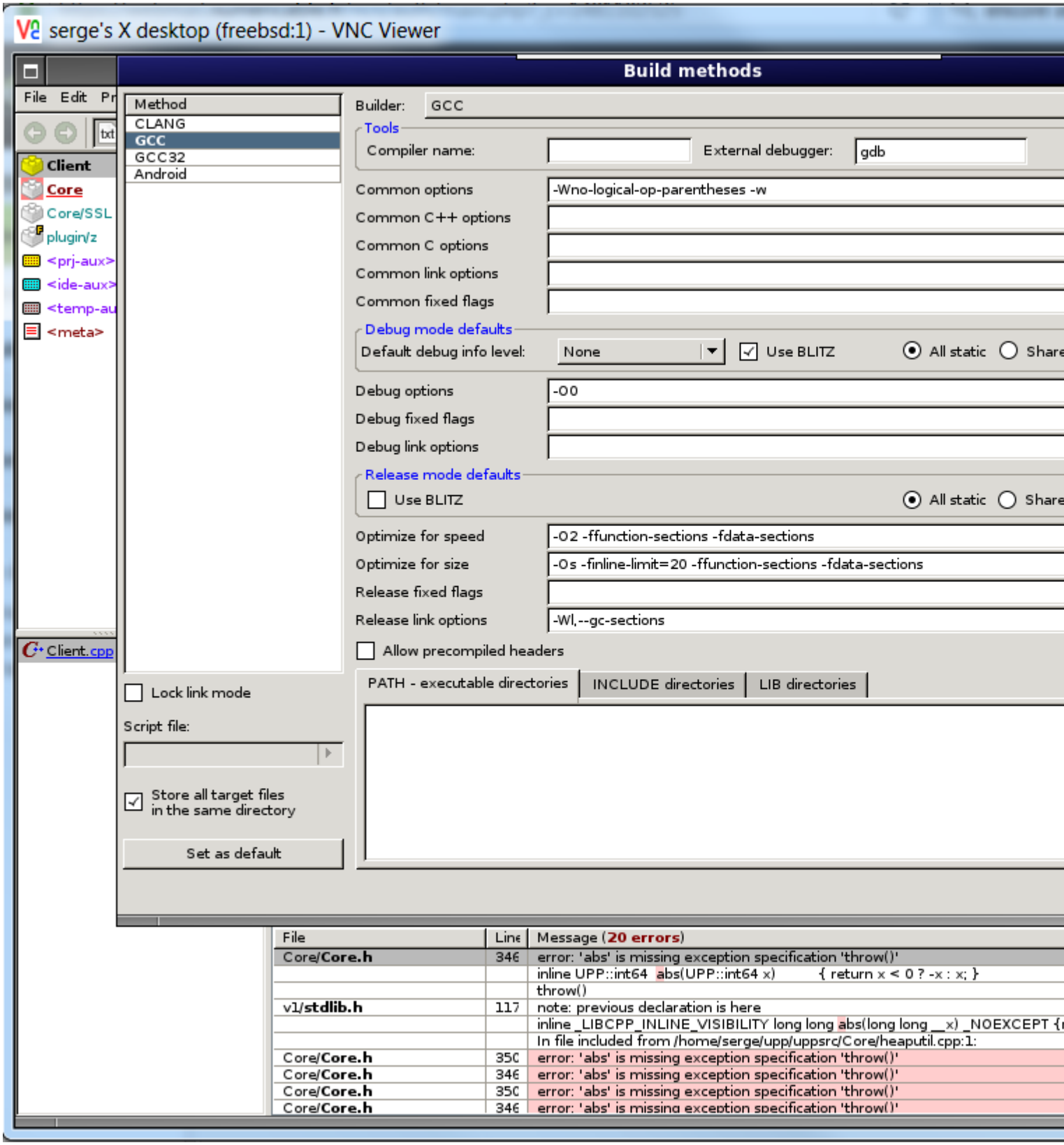
I have removed and upgraded my packages (pkg update && pkg upgrade) and reinstall app "upp" but i have still the same error.

Just i'm using GCC to compile, but i have same error with CLANG.

Thank you for your help.

File Attachments

1) erreur.png, downloaded 765 times



Subject: Re: Problem with FreeBSD

Posted by Klugier on Wed, 07 Dec 2016 11:23:53 GMT
View Forum Message <> Reply to Message

Hello,

Please try to use nightly instead of stable build and let me know the issue is reproducible.

I am pretty sure that we fixed that issue.

Sincerely,
Klugier

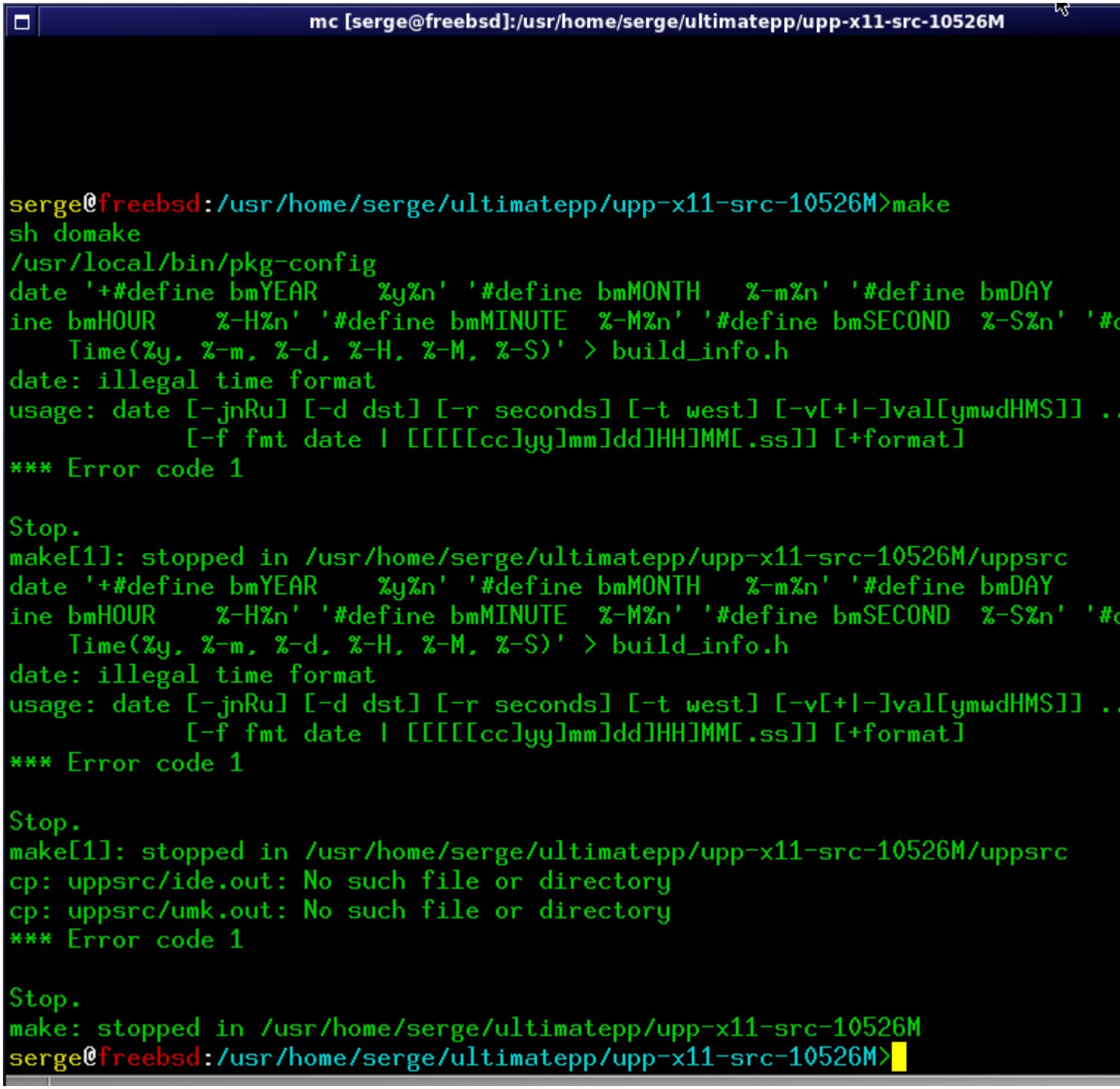
Subject: Re: Problem with FreeBSD
Posted by lovmy on Wed, 07 Dec 2016 12:26:44 GMT
View Forum Message <> Reply to Message

Hi,

i have trying to compile the nightly source but i have a error (see image).

Best regards.

File Attachments
1) erreur.png, downloaded 861 times



Subject: Re: Problem with FreeBSD
Posted by Klugier on Fri, 09 Dec 2016 10:56:41 GMT
View Forum Message <> Reply to Message

Hello,

I see Sender Ghost proposted fix for that issue in following thread. You can try his solution and let us know - if it works for you. We will try to fix that compilation issues as fast as possible.

Sincerely,
Klugier

Subject: Re: Problem with FreeBSD
Posted by Sender Ghost on Fri, 09 Dec 2016 15:41:55 GMT
View Forum Message <> Reply to Message

Hello.

Klugier wrote on Fri, 09 December 2016 10:56
I see Sender Ghost proposed fix for that issue in following thread.

The mentioned link is for different purpose (about update to nightly version of devel/upp port and some (experimental) port for umk utility). But probably it may work.

I can't reproduce this issue about "illegal date format" on FreeBSD 10.2. Also, according to PortsMon page for devel/upp port, the current 9251 release revision builds fine on FreeBSD 11 (because of available 110amd64-default and 110i386-default packages). There were no related differences for build_info stage (except bmSVN_REVISION change) in uppsrc/Makefile.in file between 9251 and 10528 revisions (which is not an issue):

```
@@ -104,7 +104,7 @@
  '#define bmTIME    Time(%y, %-m, %-d, %-H, %-M, %-S)' > build_info.h
  echo '#define bmMACHINE "'`hostname`'"' >> build_info.h
  echo '#define bmUSER    "'`whoami`'"' >> build_info.h
- echo '#define bmSVN_REVISION "9251"' >> build_info.h
+ echo '#define bmSVN_REVISION "10528"' >> build_info.h
  echo '#define bmSVN_URL "svn://www.ultimatepp.org/upp/trunk/uppsrc/ide"' >> build_info.h

 .PHONY: prepare
```

The issue about abs was fixed for 9251 release revision in devel/upp port. It was fixed with using patch in a link. The mentioned patch didn't apply for 10528 revision and was removed in current version of devel/upp-nightly port (because related code for abs was removed in 39d7888 (9828 revision) and 7f2eb48 (9829 revision) commits).

Subject: Re: Problem with FreeBSD
Posted by Mindtraveller on Wed, 14 Dec 2016 23:11:40 GMT
View Forum Message <> Reply to Message

Recently I've made fresh FreeBSD 11.0 installation. Exported my nightly-U++ based project with

Makefile and tried to build it.
And finally I must say it really gives build error:
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)' > build_info.h
date: illegal time format
usage: date [-jnRu] [-d dst] [-r seconds] [-t west] [-v[+|-]val[ymwdHMS]] ...
[-f fmt date | [[[[[cc]yy]mm]dd]HH]MM[.ss]] [+format]
*** Error code 1

Stop.
Is there any solution? I was unable to find one from the discussion above.

Subject: Re: Problem with FreeBSD
Posted by Sender Ghost on Thu, 15 Dec 2016 12:43:30 GMT
View Forum Message <> Reply to Message

Mindtraveller wrote on Wed, 14 December 2016 23:11Recently I've made fresh FreeBSD 11.0 installation. Exported my nightly-U++ based project with Makefile and tried to build it.
And finally I must say it really gives build error
...
Is there any solution? I was unable to find one from the discussion above.
The possible solution is to use gmake (from devel/gmake port) instead of make command to build exported U++ project with Makefile (on FreeBSD, at least). The same used in devel/upp FreeBSD port.

I reproduced mentioned issue on FreeBSD 10.2 with using make command. If comment the contents of build_info target in Makefile, then possible to use make command. Probably, some kind of GNU extension(s) was used in build_info target (Edit: this were quotes (') and unescaped characters (e.g. try to run `date '+#define bmYEAR %y%n' '#define bmMONTH %-m'` in console)).

Also, the build_info target is not thread-safe (i.e., not possible to use parallel builds, e.g. `gmake -j 2` command). There are some (sed) patches for uppsrc/Makefile(.in) in devel/upp-nightly port, which fixes this. For example:

sed -i '.bak' -e 's|^build_info|&.h| ; /^prepare/s| build_info|| ; s|^$(OutFile): |&build_info.h|' Makefile

The possible correct solution is to fix TheIDE source code, which related to exported Makefile.

Subject: Re: Problem with FreeBSD
Posted by Sender Ghost on Tue, 20 Dec 2016 23:19:34 GMT
View Forum Message <> Reply to Message

I fixed some mentioned issues (the patch attached, based on 10260 revision of

uppsrc/ide/Builders/Build.cpp file):
1) Compatibility of build_info target for (BSD) make command:
- Remove usage of many quotes (') and unescaped characters for date command
(e.g. try to run `date '+#define bmYEAR    %y%n' '#define bmMONTH   %-m'` in console)

2) Parallel build:
- Add "build_info" target as first dependency to $(OutFile), instead of "prepare" target

Also I added following changes:
- Creation of build_info.h file as atomic operation
- Add removal of available build_info.h file for clean target

Overall, this allows to use parallel build with using make command. For example: make -j3

There is other possible issue, related to usage of theide/umk compiled before 9813 revision for export of U++ project(s), which uses C++11 features. There is a patch in 9813 revision (c4fa531) for this. Manual solution is to add -std=c++0x (or other) to CXXFLAGS of generated Makefile.

Edit: The attached patch was applied in 10564 revision (da2eaf7).

File Attachments

1) uppsrc.diff, downloaded 474 times

Subject: Re: Problem with FreeBSD
Posted by Sender Ghost on Mon, 02 Jan 2017 03:50:29 GMT
View Forum Message <> Reply to Message

There is another issue for exported Makefile, but this is not FreeBSD specific and may depend from contents of exported project. For example, based on exported uppsrc/ide project:
$ umk uppsrc ide CLANG -rsX ~/ide
<...>
$ cd ~/ide
$ gmake
<...>
gmake: *** No rule to make target 'Turtle/FB.iml', needed by
'_out/ide/CLANG-Bsd-Clang-Freebsd-Gui-Main-Mt-Posix-Shared/BaseDlg.o'. Stop.
The possible cause of this issue is usage of following code in uppsrc/CtrlCore/CtrlCore.h file:

```
#ifdef flagTURTLE
 #define GUIPLATFORM_KEYCODES_INCLUDE <Turtle/Keys.h>
 //need to make SDL_keysym.h known before K_ enum
 #define GUIPLATFORM_INCLUDE         <Turtle/Turtle.h>
```

where current HdependGetDependencies method in uppsrc/ide/Builders/MakeFile.cpp file may add Turtle/FB.iml (and other files in uppsrc/Turtle directory) as dependency for some rule(s) in exported Makefile, independent from list of exported files and/or used compiler flags (which may be related to (simplified) preprocessor parser).

This issue possible to reproduce for unused parts of source code, which contains include(s) to existing file(s) in assembly directories, but which are not exported (e.g. in case of no related U++ project's dependency). For example, usage of following code, but without GLCtrl dependency in a U++ project:

```
#if 0
 #include <GLCtrl/GLCtrl.h>
#endif
```

The manual solution is to comment/remove such parts of source code (before export) or copy such directory/file(s) to directory of exported project.

Personally, I created another solution (based on some information from following topics: "Autodependencies with GNU make", "Auto-Dependency Generation", "Preprocessor Options"), which adds additional C/C++ compiler options in the process of Makefile's generation, related to creation of compiler generated file(s) with dependency information (as a side-effect of compilation). The patch attached (based on 9813 revision of uppsrc/ide/Builders/MakeFile.cpp file). This was tested for Clang 3.4.1, 3.9.1 and GCC 4.9.4 on FreeBSD 10.2.

File Attachments

1) uppsrc_autodeps_r9813.diff, downloaded 491 times

Subject: Re: Problem with FreeBSD
Posted by amrein on Tue, 03 Jan 2017 12:40:04 GMT
View Forum Message <> Reply to Message

Hi

In a fresh untared U++ tarball directory, even after running the sed commands found in 'domake' and if I run 'make -j8 -C uppsrc', it won't work.
You still need to run 'make prepare -C uppsrc' first. It's because of missing directories created by the prepare step.

If you run 'make -j8' in upp root, it won't use parallel build. Indeed, the root Makefile call domake and the current domake script doesn't use the -jn parameter.

If you don't understand what I mean than run:

```
cp domake domake.backup
sed -i -e 's|make -C uppsrc|make -j8 -C uppsrc|g' domake
make clean
make
```

Subject: Re: Problem with FreeBSD
Posted by Sender Ghost on Wed, 04 Jan 2017 08:12:05 GMT
View Forum Message <> Reply to Message

amrein wrote on Tue, 03 January 2017 12:40You still need to run 'make prepare -C uppsrc' first
This is different issue, which you probably encountered with running many threads, while no directories created in prepare step, but some file was built first.

I guess, possible to fix this issue with addition of dependencies to prepare rule on directories to create. For example, based on uppsrc/umk:
Some example

```
prepare: \
 $(OutDir_umk) \
 $(OutDir_ide_Builders) \
 $(OutDir_ide_Core) \
 $(OutDir_ide_Android) \
 $(OutDir_ide_Java) \
 $(OutDir_Esc) \
 $(OutDir_plugin_bz2) \
 $(OutDir_Core) \
 $(OutDir_plugin_pcre)

$(OutDir_umk):
 mkdir -p $(OutDir_umk)

$(OutDir_ide_Builders):
 mkdir -p $(OutDir_ide_Builders)

$(OutDir_ide_Core):
 mkdir -p $(OutDir_ide_Core)

$(OutDir_ide_Android):
 mkdir -p $(OutDir_ide_Android)

$(OutDir_ide_Java):
 mkdir -p $(OutDir_ide_Java)

$(OutDir_Esc):
 mkdir -p $(OutDir_Esc)

$(OutDir_plugin_bz2):
 mkdir -p $(OutDir_plugin_bz2)

$(OutDir_Core):
 mkdir -p $(OutDir_Core)

$(OutDir_plugin_pcre):
 mkdir -p $(OutDir_plugin_pcre)
```

I attached a patch (based on 10617 revision of uppsrc/ide/Builders/Build.cpp file), which adds this for exported Makefile.

How to apply the patch, just in case:
$ cd path/to/upp
$ patch -B '' < uppsrc_prepare_r10617.diff
You may need to rebuild uppsrc/umk or uppsrc/ide and do your own export/build to test this patch.

File Attachments

1) uppsrc_prepare_r10617.diff, downloaded 480 times

Subject: Re: Problem with FreeBSD
Posted by amrein on Thu, 05 Jan 2017 15:00:08 GMT
View Forum Message <> Reply to Message

Thank. Tested and applied.
