

OK, I see that I've sounded a bit too ignorant and stubborn. Sorry for that. To clarify things:

- 1) I'm not afraid of TheIDE, I just don't like it. I just got myself comfortable with Code::Blocks, so I don't want to move to a new IDE to use a new library. I used it a bit, and found it less comfortable than Code::Blocks.
- 2) I want to build U++ without TheIDE not only for the reason that I don't want to use TheIDE. I want to ensure the library code is not tied to the development environment, and is pretty much standalone. In the hypothetical case of TheIDE ceasing to function, I want to still be able to build whatever I write with U++.
- 3) I've built UWord with TheIDE, with verbose. It just seemed that it included too few packages, so I guessed others also might be needed in other applications. Currently, apart from packages that are used in UWord, I added GLCtrl and GridCtrl (I hope none of these can cause trouble). I also added more plugins

Command line in TheIDE:

```
c++ -c -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -DflagGUI -DflagGCC  
-DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2007 -DbmMONTH=9 -DbmDAY=12 -DbmHOUR=0 -DbmMINUTE=30  
-DbmSECOND=10 -g2 -static -fexceptions -D_DEBUG -O0 -x c++ "C:\upp  
p\uppsrc\CtrlLib\ChWin32.cpp" -o "C:/upp/out/CtrlLib/MINGW.Debug_full.Gui\ChWin32.o"
```

I don't know what -D means (doesn't appear in c++ --help), but if these are defines, I need to define: flagGUI, flagGCC, flagDEBUG, flagDEBUG\_FULL, flagBLITZ, flagWIN32. Should've done this last time (got overhauled with info due to verbose and missed these defines).

wchar problem is now gone (phew). Got some wrong stuff in Locale.cpp (I'm using dev2b from sourceforge, it might be outdated by now - there was an extra \*/ and missing :: to call Win32 functions). t.h is really weird. I've removed namespace from it, got back to the compiler error. Writing UPP::LngEntry\_\_ solved the problem, but I still don't understand how INITBLOCK\_ is defined there (t.h is included outside UPP namespace). Well, actually I don't understand how INITBLOCK works at all, it looks like some kind of lambda for C++, does it actually execute the code (register) upon program loading, without calling anything?

I'm getting closer to building U++. It took 43 minutes to get to the first error, which is in RichText (last package to be built). What bothers me is that the build time is so long, and that I get the same warnings over and over again. It's as if Core.h gets re-included for every CPP, and warnings from all its includes repeat (impossible since Core.h has include guards). I might later try to set Core.h to get precompiled and see if it helps.

The RichText error was in Para.cpp. It included an NText.h (non-existent file), and also used Paragraph (non-existent class). On second look, TheIDE used RichText in UWord, but that particular file wasn't used. I wonder how TheIDE knew it wasn't necessary, especially since

Para.h is used. Removed the file, compilation continued.

```
#ifndef USE_MSDOS_MEMMGR /* make sure user got configuration right */
  You forgot to define USE_MSDOS_MEMMGR in jconfig.h. /* deliberate syntax error */
#endif
```

That's a funny way to say something's wrong

Defined USE\_MSDOS\_MEMMGR in jconfig.h, got an error in jmemansi.c:

```
METHODDEF(void)
read_backing_store (j_common_ptr cinfo, backing_store_ptr info,
    void FAR * buffer_address,
    long file_offset, long byte_count)
{
    if (fseek(info->temp_file, file_offset, SEEK_SET))
        ERREXIT(cinfo, JERR_TFILE_SEEK);
    if (JFREAD(info->temp_file, buffer_address, byte_count)
        != (size_t) byte_count)
        ERREXIT(cinfo, JERR_TFILE_READ);
}
```

Structure has no temp\_file member.

OK, I made some progress, time to sleep

Accumulating changes to the original sources package (half of it, actually):

In all icpps using INITBLOCK, replace it with INITBLOCK\_(BLK\_###) - unique ### for every INITBLOCK.

In t.h, replace LngEntry\_\_ with UPP::LngEntry\_\_

In Locale.cpp, add NAMESPACE\_UPP and END\_UPP\_NAMESPACE, define LOG(x) (what is this?), remove extra \*/, add :: to some Win32 function calls.

And add main.cpp with :

```
#include "Core/Core.h"

#include "Core/Core_init.icpp"
#include "CtrlCore/CtrlCore.icpp"
#include "RichEdit/RichEdit.icpp"
#include "CtrlLib/CtrlLib.icpp"
#include "RichText/RichImage.icpp"
#include "PdfDraw/PdfReport.icpp"
#include "plugin/bmp/BmpReg.icpp"
#include "plugin/gif/gif.icpp"
#include "plugin/jpg/jpgreg.icpp"
#include "plugin/png/pngreg.icpp"
#include "plugin/tif/tifreg.icpp"
```

```
void LinkUpplnit() {}
```

P.S. I've found: [http://en.wikipedia.org/wiki/Single\\_Compilation\\_Unit](http://en.wikipedia.org/wiki/Single_Compilation_Unit)

Pros: only 1 file to compile, probably faster static lib compiling, also icpp issue solution

Cons: INITBLOCK-s will have to be replaced with unique INITBLOCK\_(X)-s, possibly other similar changes, every new CPP will have to be added to that file that is compiled (it could be auto-generated, though).

P.S.2 Thinking of it now, RichImage.icpp has 2 INITBLOCK-s, how can TheIDE compile these in one source file? It's redefined in Code::Blocks, unless I replace it with INITBLOCK\_(X) with different X.

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