Subject: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by emr84 on Fri, 08 Aug 2008 00:22:47 GMT
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I tried to compile the SDL Example in Upp 2008.1 under Windows with Mingw (the included version), and I have obtained the following error:

```
----- Core ( GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (1 / 3)
BLITZ: Cpu.cpp Mt.cpp sheap.cpp String.cpp WString.cpp StrUtil.cpp CharSet.cpp Path.cpp
NetNode.cpp App.cpp Stream.
 cpp BlockStream.cpp Log.cpp Debug.cpp Util.cpp mathutil.cpp Vcont.cpp Hash.cpp Callback.cpp
TimeDate.cpp Value.
 cpp Format.cpp Convert.cpp Color.cpp Gtypes.cpp t.cpp Lang.cpp parser.cpp XML.cpp
Xmlize.cpp Uuid.cpp Ptr.cpp z
 .cpp Topic.cpp CoWork.cpp Dli.cpp Win32Util.cpp
OL_Set.cpp
heaputil.cpp
lheap.cpp
heap.cpp
heapdbg.cpp
Core: 42 file(s) built in (0:38.71), 921 msecs / file, duration = 38750 msecs
----- plugin\z ( GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (2 / 3)
adler32.c
compress.c
crc32.c
deflate.c
gzio.c
infblock.c
infcodes.c
inffast.c
inflate.c
inftrees.c
infutil.c
trees.c
uncompr.c
zutil.c
plugin\z: 14 file(s) built in (0:04.03), 287 msecs / file, duration = 4031 msecs
----- SDLExample ( MAIN GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (3 / 3)
main.cpp
SDLExample: 1 file(s) built in (0:03.42), 3422 msecs / file, duration = 3422 msecs
Linking...
C:\upp\mingw\lib\libmingw32.a(main.o):main.c:(.text+0x104): undefined reference to
`_WinMain@16'
collect2: ld returned 1 exit status

There were errors. (0:50.64)
```

With "Be Verbose":

```
----- Core ( GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (1 / 3)
cd C:\upp\uppsrc\Core
C:\upp\uppsrc\Core\HeapImp.h(1) : blocks BLITZ of C:\upp\uppsrc\Core\heaputil.cpp
C:\upp\uppsrc\Core\HeapImp.h(1) : blocks BLITZ of C:\upp\uppsrc\Core\lheap.cpp
C:\upp\uppsrc\Core\HeapImp.h(1) : blocks BLITZ of C:\upp\uppsrc\Core\heap.cpp
C:\upp\uppsrc\Core\HeapImp.h(1) : blocks BLITZ of C:\upp\uppsrc\Core\heapdbg.cpp
BLITZ: Cpu.cpp Mt.cpp sheap.cpp String.cpp WString.cpp StrUtil.cpp CharSet.cpp Path.cpp
NetNode.cpp App.cpp S
 tream.cpp BlockStream.cpp Log.cpp Debug.cpp Util.cpp mathutil.cpp Vcont.cpp Hash.cpp
Callback.cpp TimeDat
 e.cpp Value.cpp Format.cpp Convert.cpp Color.cpp Gtypes.cpp t.cpp Lang.cpp parser.cpp
XML.cpp Xmlize.cpp
 Uuid.cpp Ptr.cpp z.cpp Topic.cpp CoWork.cpp Dli.cpp Win32Util.cpp
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs "C:/upp/out/Core/
 MINGW.Debug.Debug_full\$blitz.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\$blitz.o"
OL_Set.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\uppsrc\Core\OL_Set.cpp"
  -o "C:/upp/out/Core/MINGW.Debug.Debug_full\OL_Set.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c++ "C:\upp\up
 psrc\Core\OL_Set.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\OL_Set.o"
compiled in (0:00.07)
heaputil.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\uppsrc\Core\heaputil.cp
 p" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\heaputil.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
```

```
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c++ "C:\upp\up
 psrc\Core\heaputil.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\heaputil.o"
compiled in (0:02.26)
lheap.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\uppsrc\Core\lheap.cpp"
 -o "C:/upp/out/Core/MINGW.Debug.Debug_full\lheap.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c++ "C:\upp\up
 psrc\Core\lheap.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\lheap.o"
compiled in (0:02.89)
heap.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\uppsrc\Core\heap.cpp" -
 o "C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c++ "C:\upp\up
 psrc\Core\heap.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o"
compiled in (0:02.76)
heapdbg.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\uppsrc\Core\heapdbg.cpp
 " -o "C:/upp/out/Core/MINGW.Debug.Debug_full\heapdbg.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
```

```
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=8 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c++ "C:\upp\up
 psrc\Core\heapdbg.cpp" -o "C:/upp/out/Core/MINGW.Debug.Debug_full\heapdbg.o"
compiled in (0:02.14)
Core: 42 file(s) built in (0:32.76), 780 msecs / file, duration = 32891 msecs
----- plugin\z ( GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (2 / 3)
cd C:\upp\uppsrc\plugin\z
adler32.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\adle
 r32.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\adler32.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\adler32.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\adler32.o"
compiled in (0:00.11)
compress.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\comp
 ress.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\compress.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\compress.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\compress.o"
compiled in (0:00.07)
crc32.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\crc3
 2.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\crc32.o"
```

```
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\crc32.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\crc32.o"
compiled in (0:00.09)
deflate.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\defl
 ate.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\deflate.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\deflate.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\deflate.o"
compiled in (0:00.28)
gzio.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\gzio
 .c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\gzio.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\gzio.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\gzio.o"
compiled in (0:00.14)
infblock.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\infb
 lock.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infblock.o"
```

```
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\infblock.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infblock.o"
compiled in (0:00.20)
infcodes.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\infc
 odes.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infcodes.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\infcodes.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infcodes.o"
compiled in (0:00.17)
inffast.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\inff
 ast.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inffast.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\inffast.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inffast.o"
compiled in (0:00.12)
inflate.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\infl
 ate.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inflate.o"
```

```
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\inflate.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inflate.o"
compiled in (0:00.15)
inftrees.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\inft
 rees.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inftrees.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\inftrees.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inftrees.o"
compiled in (0:00.29)
infutil.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\infu
 til.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\infutil.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
compiled in (0:00.09)
trees.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\tree
 s.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\trees.o"
```

```
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\trees.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\trees.o"
compiled in (0:00.34)
uncompr.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\unco
 mpr.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\uncompr.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o"
compiled in (0:00.07)
zutil.c
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagGCC -Dfla
 gDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008 -DbmMONTH=8
-DbmDAY=7 -DbmHOUR=20 -DbmMINUT
 E=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c
"C:\upp\uppsrc\plugin\z\lib\zuti
 l.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\zutil.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8 -DbmDAY=7
 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=41 -g2 -static   -fexceptions  -D_DEBUG -O0
-gstabs -x c "C:\upp\upp
 src\plugin\z\lib\zutil.c" -o "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\zutil.o"
compiled in (0:00.10)
plugin\z: 14 file(s) built in (0:02.14), 153 msecs / file, duration = 2344 msecs
----- SDLExample ( MAIN GCC DEBUG DEBUG_FULL BLITZ WIN32 ) (3 / 3)
cd C:\upp\examples\SDLExample
main.cpp
c++ -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sdl\include"
-DflagMAIN -Dfl
 agGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32 -DbmYEAR=2008
-DbmMONTH=8 -DbmDAY=7 -DbmHOUR=2
```

```
 0 -DbmMINUTE=27 -DbmSECOND=43 -g2 -static   -fexceptions  -D_DEBUG -O0 -gstabs -x c++
"C:\upp\examples\SD
 LExample\main.cpp" -o "C:/upp/out/SDLExample/MINGW.Debug.Debug_full.Main\main.o"
C:\upp\mingw\bin\c++.exe -c  -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include"
-I"C:\upp\sdl\inc
 lude" -DflagMAIN -DflagGCC -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32
-DbmYEAR=2008 -DbmMONTH=8
  -DbmDAY=7 -DbmHOUR=20 -DbmMINUTE=27 -DbmSECOND=43 -g2 -static   -fexceptions
-D_DEBUG -O0 -gstabs -x c+
 + "C:\upp\examples\SDLExample\main.cpp" -o
"C:/upp/out/SDLExample/MINGW.Debug.Debug_full.Main\main.o"
compiled in (0:02.09)
SDLExample: 1 file(s) built in (0:02.09), 2094 msecs / file, duration = 2094 msecs
Linking...
c++ -static -mwindows -mconsole -o "C:\upp\out\MINGW.Debug.Debug_full\SDLExample.exe"
-ggdb -L"C:\upp\mingw\l
 ib" -L"C:\upp\sdl\lib" -Wl,-O,2  "C:/upp/out/SDLExample/MINGW.Debug.Debug_full.Main\main.o"
"C:/upp/out/C
 ore/MINGW.Debug.Debug_full\$blitz.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\OL_Set.o"
"C:/upp/out/Core/M
 INGW.Debug.Debug_full\heaputil.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\lheap.o"
"C:/upp/out/Core/MINGW
 .Debug.Debug_full\heap.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\heapdbg.o"
"C:/upp/out/plugin/z/MINGW.D
 ebug.Debug_full\adler32.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\compress.o"
"C:/upp/out/plugin/z/M
 INGW.Debug.Debug_full\crc32.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\deflate.o"
"C:/upp/out/plugin/
 z/MINGW.Debug.Debug_full\gzio.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infblock.o"
"C:/upp/out/plug
 in/z/MINGW.Debug.Debug_full\infcodes.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inffast.o" "C:/upp/ou
 t/plugin/z/MINGW.Debug.Debug_full\inflate.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inftrees.o" "C:/
 upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\trees.o" "
 C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\zutil.o
 " -Wl,--start-group  -ladvapi32 -lshell32 -lwinmm -lmpr -lole32 -loleaut32 -luuid
"C:\upp\sdl\lib\SDL.dll
 " -lSDLmain -Wl,--end-group
C:\upp\mingw\lib\libmingw32.a(main.o):main.c:(.text+0x104): undefined reference to
`_WinMain@16'
collect2: ld returned 1 exit status
C:\upp\mingw\bin\c++.exe -static -mwindows -mconsole -o
"C:\upp\out\MINGW.Debug.Debug_full\SDLExample.exe" -g
 gdb -L"C:\upp\mingw\lib" -L"C:\upp\sdl\lib" -Wl,-O,2
"C:/upp/out/SDLExample/MINGW.Debug.Debug_full.Main\
```

```
 main.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\$blitz.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\OL_Set.
 o" "C:/upp/out/Core/MINGW.Debug.Debug_full\heaputil.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\lheap.o" "
 C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\heapdbg.o" "C:/upp
 /out/plugin/z/MINGW.Debug.Debug_full\adler32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\compress.o" "
 C:/upp/out/plugin/z/MINGW.Debug.Debug_full\crc32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\deflate.o
 " "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\gzio.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infbloc
 k.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infcodes.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\
 inffast.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inflate.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_
 full\inftrees.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
"C:/upp/out/plugin/z/MINGW.Debug.
 Debug_full\trees.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o"
"C:/upp/out/plugin/z/MINGW.Deb
 ug.Debug_full\zutil.o" -Wl,--start-group  -ladvapi32 -lshell32 -lwinmm -lmpr -lole32 -loleaut32
-luuid "C
 :\upp\sdl\lib\SDL.dll" -lSDLmain -Wl,--end-group
Error executing C:\upp\mingw\bin\c++.exe -static -mwindows -mconsole -o
"C:\upp\out\MINGW.Debug.Debug_full\SD
 LExample.exe" -ggdb -L"C:\upp\mingw\lib" -L"C:\upp\sdl\lib" -Wl,-O,2
"C:/upp/out/SDLExample/MINGW.Debug.
 Debug_full.Main\main.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\$blitz.o"
"C:/upp/out/Core/MINGW.Debug.De
 bug_full\OL_Set.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\heaputil.o"
"C:/upp/out/Core/MINGW.Debug.Debug
 _full\lheap.o" "C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\he
 apdbg.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\adler32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_fu
 ll\compress.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\crc32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debu
 g_full\deflate.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\gzio.o"
"C:/upp/out/plugin/z/MINGW.Debug.De
 bug_full\infblock.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infcodes.o"
"C:/upp/out/plugin/z/MINGW.D
 ebug.Debug_full\inffast.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inflate.o"
"C:/upp/out/plugin/z/MI
 NGW.Debug.Debug_full\inftrees.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
"C:/upp/out/plugi
 n/z/MINGW.Debug.Debug_full\trees.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o" "C:/upp/out/pl
 ugin/z/MINGW.Debug.Debug_full\zutil.o" -Wl,--start-group  -ladvapi32 -lshell32 -lwinmm -lmpr
```

```
-lole32 -lol
 eaut32 -luuid "C:\upp\sdl\lib\SDL.dll" -lSDLmain -Wl,--end-group
Exitcode: 1
```

There were errors. (0:40.54)

Subject: Re: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by mr_ped on Fri, 08 Aug 2008 07:55:28 GMT
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Well, I have the same problem now (it's sort of weird, because I did test SDL with 2008rc for sure, and it did work back than).

I did have a quick look what's going on, and the line 50 at SDL_main.h is:
#define main SDL_main

Which will lead to this code in SDLExample\main.cpp during compilation (formatting added by me, it's single line in reality):

```
void ConsoleMainFn_();
int SDL_main(int argc, char *argv[]) {
 Upp::AppInit__(argc, (const char **)argv);
 ConsoleMainFn_();
 Upp::DeleteUsrLog();
 Upp::AppExit__();
 return Upp::GetExitCode();
}
void ConsoleMainFn_()
```

As you can see, the "main" has name SDL_main, so it is not found during linking.

When you add "#undef main" ahead of CONSOLE_APP_MAIN (line 258 at main.cpp), it works well.

While I understand how the error occurs, and how to fix it, I have no idea where it comes from and what was the intention of original author. Maybe during linking with SDL library there should be used some additional flag so linker knows the "main" is SDL_main? Maybe someone else who does use SDL, will know from head what is this about.

Subject: Re: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by mr_ped on Fri, 08 Aug 2008 08:18:34 GMT
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And while I tried to compile it with MSC8, I get different kind of linking problems:
msvcrt.lib(ti_inst.obj) : error LNK2005: "private: __thiscall type_info::type_info(class type_info const &)" (??0type_info@@AAE>@ABV0@@Z) a
lready defined in LIBCMT.lib(typinfo.obj)
msvcrt.lib(ti_inst.obj) : error LNK2005: "private: class type_info & __thiscall type_info::operator=(class type_info const &)" (??4type_in
fo@@AAEAAV0>@ABV0@@Z) already defined in LIBCMT.lib(typinfo.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _isspace already defined in LIBCMT.lib(_ctype.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: ___iob_func already defined in LIBCMT.lib(_file.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _fclose already defined in LIBCMT.lib(fclose.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _exit already defined in LIBCMT.lib(crt0dat.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _strrchr already defined in LIBCMT.lib(strrchr.obj)
LIBCMT.lib(crt0init.obj) : warning LNK4098: defaultlib 'msvcrt.lib' conflicts with use of other libs; use /NODEFAULTLIB:library
C:\upp\out\MSC8.\SDLExample.exe : fatal error LNK1169: one or more multiply defined symbols found

I did hope to compare 2008.1 final SDL directory with RC to see if there was some change, but the RC at SVN does not include SDL directory, so I would have to download old rc exe, etc... I don't have free time for that right now.

But something *did* change in 2008.1, and it did break SDLExample a lot... :/

Subject: Re: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by masu on Fri, 08 Aug 2008 08:34:23 GMT
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Try to add the following to main.cpp:

```
#if defined(PLATFORM_WIN32) && defined(COMPILER_GCC)
int APIENTRY WinMain(HINSTANCE hInstance, HINSTANCE, LPSTR lpCmdLine, int nCmdShow){return main(0,NULL);}
#endif
```

See also this topic:
http://www.ultimatepp.org/forum/index.php?t=msg&th=1552& amp;start=0&

Matthias

Subject: Re: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by emr84 on Sat, 09 Aug 2008 01:32:53 GMT
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mr_ped wrote on Fri, 08 August 2008 04:55...

As you can see, the "main" has name SDL_main, so it is not found during linking.

When you add "#undef main" ahead of CONSOLE_APP_MAIN (line 258 at main.cpp), it works well.

...

Now it works. Thanks!

Subject: Re: Problem with "SDL Example" in Upp 2008.1 [BUG?]
Posted by koldo on Fri, 15 May 2009 08:04:33 GMT
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Hello mr_ped

I have the same problem compiling the sample with MSC9

Quote:And while I tried to compile it with MSC8, I get different kind of linking problems:
msvcrt.lib(ti_inst.obj) : error LNK2005: "private: __thiscall type_info::type_info(class type_info const &)" (??0type_info@@AAE>@ABV0@@Z) a
lready defined in LIBCMT.lib(typinfo.obj)
msvcrt.lib(ti_inst.obj) : error LNK2005: "private: class type_info & __thiscall type_info::operator=(class type_info const &)" (??4type_in
fo@@AAEAAV0>@ABV0@@Z) already defined in LIBCMT.lib(typinfo.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _isspace already defined in LIBCMT.lib(_ctype.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: ___iob_func already defined in LIBCMT.lib(_file.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _fclose already defined in LIBCMT.lib(fclose.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _exit already defined in LIBCMT.lib(crt0dat.obj)
msvcrt.lib(MSVCR80.dll) : error LNK2005: _strrchr already defined in LIBCMT.lib(strrchr.obj)
LIBCMT.lib(crt0init.obj) : warning LNK4098: defaultlib 'msvcrt.lib' conflicts with use of other libs; use /NODEFAULTLIB:library
C:\upp\out\MSC8.\SDLExample.exe : fatal error LNK1169: one or more multiply defined symbols found

Did you found the solution ?

Best regards
Koldo
