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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\heap.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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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 msec / file, duration = 32891 msec
----- 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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\include" -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\sd\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\sd\include" -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\sd\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\sd\include" -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\sd\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\sd\include" -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\sd\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\infco
des.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\sd\include" -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\sd\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\sd\include" -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\sd\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\sd\include" -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\sd\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\inftr
ees.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\sd\include" -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\sd\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\sd\include" -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\sd\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\sd\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\sd\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\sd\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\sd\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\sd\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
----- SDLEExample ( MAIN GCC DEBUG DEBUG_FULL BLITZ WIN32 ) ( 3 / 3 )
cd C:\upp\examples\SDLEExample
main.cpp
c++ -c -I"C:\upp\examples" -I"C:\upp\uppsrc" -I"C:\upp\mingw\include" -I"C:\upp\sd\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
LEexample\main.cpp" -o "C:/upp/out/SDLEexample/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\sd\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\SDLEexample\main.cpp" -o
"C:/upp/out/SDLEexample/MINGW.Debug.Debug_full.Main\main.o"
compiled in (0:02.09)
SDLEexample: 1 file(s) built in (0:02.09), 2094 msec / file, duration = 2094 msec
Linking...
c++ -static -mwindows -mconsole -o "C:\upp\out\MINGW.Debug.Debug_full\SDLEexample.exe"
-ggdb -L"C:\upp\mingw\l
ib" -L"C:\upp\sd\lib" -Wl,-O,2 "C:/upp/out/SDLEexample/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\heap.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\infrees.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\sd\lib\SDL.dll
" -ISDLmain -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\SDLEexample.exe" -g
gdb -L"C:\upp\mingw\lib" -L"C:\upp\sd\lib" -Wl,-O,2
"C:/upp/out/SDLEexample/MINGW.Debug.Debug_full.Main\

```

```

main.o" "C:/upp/out/Core/MINGW.Debug.Debug_full$blitz.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\OL_Set.
o" "C:/upp/out/Core/MINGW.Debug.Debug_full\heaputil.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o" "
C:/upp/out/Core/MINGW.Debug.Debug_full\heap.o"
"C:/upp/out/Core/MINGW.Debug.Debug_full\heapdbg.o" "C:/upp
/out/plugin/z/MINGW.Debug.Debug_full\adler32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\compress.o" "
C:/upp/out/plugin/z/MINGW.Debug.Debug_full\crc32.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\deflate.o
" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\gzio.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infbloc
k.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infcodes.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_full\
inffast.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\inflate.o"
"C:/upp/out/plugin/z/MINGW.Debug.Debug_
full\infrees.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\infutil.o"
"C:/upp/out/plugin/z/MINGW.Debug.
Debug_full\trees.o" "C:/upp/out/plugin/z/MINGW.Debug.Debug_full\uncompr.o"
"C:/upp/out/plugin/z/MINGW.Debug
Debug.Debug_full\zutil.o" -WI,--start-group -ladvapi32 -lshell32 -lwinmm -lmpr -lole32 -loleaut32
-luuid "C
:\upp\sdllib\SDL.dll" -ISDLmain -WI,--end-group
Error executing C:\upp\mingw\bin\c++.exe -static -mwindows -mconsole -o
"C:\upp\out\MINGW.Debug.Debug_full\SD
LExample.exe" -gdb -L"C:\upp\mingw\lib" -L"C:\upp\sdllib" -WI,-O,2
"C:/upp/out/SDLExample/MINGW.Debug.
Debug_full.Main\main.o" "C:/upp/out/Core/MINGW.Debug.Debug_full$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\heap.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\infrees.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" -WI,--start-group -ladvapi32 -lshell32 -lwinmm -lmpr

```

-lole32 -lol  
eaut32 -luuid "C:\upp\sdl\lib\SDL.dll" -ISDLmain -WI,--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 then).

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) already 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\_info@@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(fcclose.obj)  
msvcrt.lib(MSVCR80.dll) : error LNK2005: \_exit already defined in LIBCMT.lib(crt0dat.obj)  
msvcrt.lib(MSVCR80.dll) : error LNK2005: \_strchr already defined in LIBCMT.lib(strchr.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&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: _strchr already defined in LIBCMT.lib(strchr.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

---