
Subject: Re: How do I stick /NODEFAULTLIB in front of a library?

Posted by [kfeng](#) on Sat, 14 Jul 2007 16:23:17 GMT

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BTW, when I try with UnitTest++, I get the same kind of error:

```
#include <Core/Core.h>
```

```
// test.cpp
```

```
#undef CHECK
```

```
#include <UnitTest++.h>
```

```
TEST(FailSpectacularly)
```

```
{  
    CHECK(false);  
}
```

```
CONSOLE_APP_MAIN
```

```
{  
    UnitTest::RunAllTests();  
}
```

I wonder if it has to do with some circular dependency...

- Ken

```
----- Core ( MSC8 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) (1 / 3)
```

```
cd F:\upp\uppsrc\Core
```

```
----- plugin\z ( MSC8 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) (2 / 3)
```

```
cd F:\upp\uppsrc\plugin\z
```

```
----- TryUnitTestPP ( MAIN MSC8 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) (3 / 3)
```

```
cd F:\MyApps\TryUnitTestPP
```

```
Linking...
```

```
link -nologo -machine:I386 -pdb:"F:\upp\out\MSC8.Debug_full\TryUnitTestPP.pdb"
```

```
-out:"F:\upp\out\MSC8.Debug_full\TryUnitTestPP.exe" -incremental:yes
```

```
-debug -OPT:NOREF -subsystem:console -LIBPATH:"F:\Program Files\Microsoft Visual Studio  
8\VC\Lib" -LIBPATH:"F:\Program Files\Microsoft Platform
```

```
m SDK\Lib" -LIBPATH:"M:\mysql-noinstall-5.0.27-win32\mysql-5.0.27-win32\lib"
```

```
-LIBPATH:"L:\cppunit-1.12.0\cppunit-1.12.0\lib" -LIBPATH:"L:\unitt
```

```
est-cpp-1.3\UnitTest++\debug"
```

```
"F:\upp\out\TryUnitTestPP\MSC8.Debug_full.Main\TryUnitTestPP.obj" "F:\Program Files\Microsoft  
Visual Studio
```

```
8\VC\Lib\kernel32.lib" "F:\Program Files\Microsoft Platform SDK\Lib\user32.lib" "F:\Program  
Files\Microsoft Platform SDK\Lib\ole32.lib" "F:\Pro
```

```
gram Files\Microsoft Platform SDK\Lib\oleaut32.lib" "F:\Program Files\Microsoft Visual Studio
```

```

8\VC\Lib\oldnames.lib" "F:\Program Files\Microsoft
Platform SDK\Lib\advapi32.lib" "F:\Program Files\Microsoft Platform SDK\Lib\shell32.lib"
"F:\Program Files\Microsoft Platform SDK\Lib\winmm.lib" "F:\upp\out\Core\MSC8.Debug_full\blitz.obj" "F:\upp\out\Core\MSC8.Debug_full\OL_Set.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\adler32.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\compress.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\crc32.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\deflate.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\gzip.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\infblock.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infcodes.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\inffast.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\inflate.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infrees.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infutil.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\trees.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\uncompr.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\zutil.obj"
"L:\unittest-cpp-1.3\UnitTest++\debug\UnitTest++.vsnet2005.lib"
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: _printf already defined in LIBCMTD.lib(printf.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: virtual __thiscall
std::exception::~exception(void)" (??1exception@std@@@UAE@XZ) already defined
in LIBCMTD.lib(stdexcept.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::~exception(void)"
(??0exception@std@@@QAE@XZ) already defined in LIBCMTD.lib(stdexcept.obj)
MSVCRTD.lib(ti_inst.obj) : error LNK2005: "private: __thiscall type_info::type_info(class type_info
const &)" (??0type_info@@@AAE@ABV0@@@Z) already defined in LIBCMTD.lib(typinfo.obj)
MSVCRTD.lib(ti_inst.obj) : error LNK2005: "private: class type_info & __thiscall
type_info::operator=(class type_info const &)" (??4type_info@@@AAE@ABV0@@@Z) already defined in LIBCMTD.lib(typinfo.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >::
~basic_string<char,struct std::char_traits<char>,class std::allocator<char> >(void)"
(??1?$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QAE@XZ) already defined in libcpmttd.lib(string.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: static unsigned int __cdecl
std::char_traits<char>::length(char const *)" (?length@?$char_traits@D@std@@@SAIPBD@Z) already defined in libcpmttd.lib(string.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: char const * __thiscall
std::basic_string<char,struct std::char_traits<char>,class std::allocator<char> >::c_str(void) const "
(?c_str@?$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QBEPBD@XZ) already defined in $blitz.obj
LINK : warning LNK4098: defaultlib 'MSVCRTD' conflicts with use of other libs; use
/NODEFAULTLIB:library
F:\upp\out\MSC8.Debug_full\TryUnitTestPP.exe : fatal error LNK1169: one or more multiply
defined symbols found
"F:\Program Files\Microsoft Visual Studio 8\VC\Bin\link.exe" -nologo -machine:I386
-pdb:"F:\upp\out\MSC8.Debug_full\TryUnitTestPP.pdb" -out:"F:\upp
\out\MSC8.Debug_full\TryUnitTestPP.exe" -incremental:yes -debug -OPT:NOREF

```

```

-subsystem:console -LIBPATH:"F:\Program Files\Microsoft Visual Studi
o 8\VC\Lib" -LIBPATH:"F:\Program Files\Microsoft Platform SDK\Lib"
-LIBPATH:"M:\mysql-noinstall-5.0.27-win32\mysql-5.0.27-win32\lib" -LIBPATH:"
L:\cppunit-1.12.0\cppunit-1.12.0\lib" -LIBPATH:"L:\unittest-cpp-1.3\UnitTest++\debug"
"F:\upp\out\TryUnitTestPP\MSC8.Debug_full.Main\TryUn
itTestPP.obj" "F:\Program Files\Microsoft Visual Studio 8\VC\Lib\kernel32.lib" "F:\Program
Files\Microsoft Platform SDK\Lib\user32.lib" "F:\Pro
gram Files\Microsoft Platform SDK\Lib\ole32.lib" "F:\Program Files\Microsoft Platform
SDK\Lib\oleaut32.lib" "F:\Program Files\Microsoft Visual
Studio 8\VC\Lib\oldnames.lib" "F:\Program Files\Microsoft Platform SDK\Lib\advapi32.lib"
"F:\Program Files\Microsoft Platform SDK\Lib\shell32.l
ib" "F:\Program Files\Microsoft Platform SDK\Lib\winmm.lib"
"F:\upp\out\Core\MSC8.Debug_full\$blitz.obj" "F:\upp\out\Core\MSC8.Debug_full\OL_Set
t.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\adler32.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\compress.obj" "F:\upp\out\plugin\z\MSC8.Debug_ful
\crc32.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\deflate.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\gzio.obj" "F:\upp\out\plugin\z\MSC8.Debug_f
ull\infblock.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infcodes.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\inffast.obj" "F:\upp\out\plugin\z\MSC
8.Debug_full\inflate.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\inftrees.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\infutil.obj" "F:\upp\out\plug
in\z\MSC8.Debug_full\trees.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\uncompr.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\zutil.obj" "L:\unittest-
cpp-1.3\UnitTest++\debug\UnitTest++.vsnet2005.lib"
Error executing "F:\Program Files\Microsoft Visual Studio 8\VC\Bin\link.exe" -nologo
-machine:I386 -pdb:"F:\upp\out\MSC8.Debug_full\TryUnitTestPP.p
db" -out:"F:\upp\out\MSC8.Debug_full\TryUnitTestPP.exe" -incremental:yes -debug
-OPT:NOREF -subsystem:console -LIBPATH:"F:\Program Files\Micros
oft Visual Studio 8\VC\Lib" -LIBPATH:"F:\Program Files\Microsoft Platform SDK\Lib"
-LIBPATH:"M:\mysql-noinstall-5.0.27-win32\mysql-5.0.27-win32
\lib" -LIBPATH:"L:\cppunit-1.12.0\cppunit-1.12.0\lib"
-LIBPATH:"L:\unittest-cpp-1.3\UnitTest++\debug" "F:\upp\out\TryUnitTestPP\MSC8.Debug
_full.Main\TryUnitTestPP.obj" "F:\Program Files\Microsoft Visual Studio 8\VC\Lib\kernel32.lib"
"F:\Program Files\Microsoft Platform SDK\Lib\use
r32.lib" "F:\Program Files\Microsoft Platform SDK\Lib\ole32.lib" "F:\Program Files\Microsoft
Platform SDK\Lib\oleaut32.lib" "F:\Program Files\M
icrosoft Visual Studio 8\VC\Lib\oldnames.lib" "F:\Program Files\Microsoft Platform
SDK\Lib\advapi32.lib" "F:\Program Files\Microsoft Platform S
DK\Lib\shell32.lib" "F:\Program Files\Microsoft Platform SDK\Lib\winmm.lib"
"F:\upp\out\Core\MSC8.Debug_full\$blitz.obj" "F:\upp\out\Core\MSC8.
Debug_full\OL_Set.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\adler32.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\compress.obj" "F:\upp\out\plugin\
z\MSC8.Debug_full\crc32.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\deflate.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\gzio.obj" "F:\upp\out\plugi
n\z\MSC8.Debug_full\infblock.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infcodes.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\inffast.obj" "F:\upp\
out\plugin\z\MSC8.Debug_full\inflate.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\inftrees.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\infutil.obj"

```

```
"F:\upp\out\plugin\z\MSC8.Debug_full\trees.obj"  
"F:\upp\out\plugin\z\MSC8.Debug_full\uncompr.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\zutil.ob  
j" "L:\unittest-cpp-1.3\UnitTest++\debug\UnitTest++.vsnet2005.lib"  
Exitcode: 1169
```

There were errors. (0:01.06)
