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

Posted by [kfeng](#) on Sat, 14 Jul 2007 13:57:26 GMT

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Hi,

I'm getting this error when I try to link an external library cppunitd.lib on MSC8

----- Core ( MSC8 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 1 / 3 )

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

----- TryCppUnit ( MAIN MSC8 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 3 / 3 )

Linking...

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall std::basic\_string<char,struct std::char\_traits<char>,class std::allocato

r<char> >::basic\_string<char,struct std::char\_traits<char>,class std::allocator<char> >(char const \*)" (??0?\$basic\_string@DU?\$char\_t

raits@D@std@@@V?\$allocator@D@2@@std@@@QAE@PBD@Z) already defined in SimpleTest.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 de

fined in TryCppUnit.obj

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall std::basic\_string<char,struct std::char\_traits<char>,class std::allocato

r<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 SimpleTest.obj

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall std::basic\_string<char,struct std::char\_traits<char>,class std::allocato

r<char> >::basic\_string<char,struct std::char\_traits<char>,class std::allocator<char> >(class std::basic\_string<char,struct std::cha

r\_traits<char>,class std::allocator<char> > const &)"

(??0?\$basic\_string@DU?\$char\_traits@D@std@@@V?\$allocator@D@2@@std@@@QAE@ABV01 @@@Z)

already defined in TryCppUnit.obj

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall

std::\_Container\_base::~~\_Container\_base(void)" (??1\_Container\_base@std@@@Q

AE@XZ) already defined in SimpleTest.obj

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "void \_\_cdecl std::\_Debug\_message(wchar\_t const \*,wchar\_t const \*,unsigned int)" (?\_Debug\_me

ssage@std@@@YAXPB\_W0I@Z) already defined in TryCppUnit.obj

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall std::\_Lockit::~~\_Lockit(void)"

(??1\_Lockit@std@@@QAE@XZ) already defined i

n libcpmtd.lib(xlock.obj)

msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: \_\_thiscall std::\_Lockit::\_Lockit(int)"

```

(??0_Lockit@std@@@QAE@H@Z) already defined in
  libcpmtd.lib(xlock.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: void __thiscall
std::_Container_base::_Orphan_all(void)const " (?_Orphan_all@_Conta
iner_base@std@@@QBEXXZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall
std::_Container_base::_Container_base(void)" (??0_Container_base@std@@QA
E@XZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: static unsigned int __cdecl
std::char_traits<char>::length(char const *)" (?length@
?$char_traits@D@std@@@SAIPBD@Z) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: unsigned int __thiscall
std::basic_string<char,struct std::char_traits<char>,class
std::allocator<char> >::length(void)const "
(?length@?$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QBEIXZ
) already de
fined in $blitz.obj
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: virtual __thiscall
std::exception::~~exception(void)" (??1exception@std@@@UAE@XZ) alre
ady defined in LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::exception(void)"
(??0exception@std@@@QAE@XZ) already defin
ed in LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::exception(class
std::exception const &)" (??0exception@st
d@@@QAE@ABV01@@@Z) already defined in LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: __invalid_parameter already defined in
LIBCMTD.lib(invarg.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: __CrtDbgReportW already defined in
LIBCMTD.lib(dbgrptw.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::exception(char
const * const &)" (??0exception@std@@@QAE@A
BQBD@Z) already defined in LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: _memmove_s already defined in
LIBCMTD.lib(memmove_s.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@@@AAEAAV0@ABV0@@@Z) already defined in LIBCMTD.lib(typinfo.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: char const * __thiscall
type_info::_name_internal_method(struct __type_info_node *)c
onst " (?_name_internal_method@type_info@@@QBEPBDPAU__type_info_node@@@Z)
already defined in LIBCMTD.lib(typinfo.obj)
LINK : warning LNK4098: defaultlib 'MSVCRTD' conflicts with use of other libs; use
/NODEFAULTLIB:library
F:\upp\out\MSC8.Debug_full\TryCppUnit.exe : fatal error LNK1169: one or more multiply defined

```

symbols found

There were errors. (0:00.75)

The warning message says to use /NODEFAULTLIB:library so I tried adding that:

```
----- 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
----- TryCppUnit ( MAIN MSC8 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 3 / 3 )
cd F:\MyApps\TryCppUnit
Linking...
link -nologo -machine:I386 -pdb:"F:\upp\out\MSC8.Debug_full\TryCppUnit.pdb"
-out:"F:\upp\out\MSC8.Debug_full\TryCppUnit.exe" -incremental
-l:yes -debug -OPT:NOREF -subsystem:console -LIBPATH:"F:\Program Files\Microsoft 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:"M:\UnitTest++\debug" -LIBPATH
:"L:\cppunit-1.12.0\cppunit-1.12.0\lib" /NODEFAULTLIB:cppunitd
"F:\upp\out\TryCppUnit\MSC8.Debug_full.Main\SimpleTest.obj" "F:\upp\out\TryCppUnit\MSC8.Debug_full.Main\TryCppUnit.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:\Program Files\Microsoft Pla
tform 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\gzio.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\infblock.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\infblock.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.obj" "L:\c
ppunit-1.12.0\cppunit-1.12.0\lib\cppunitd.lib"
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >(char const
r<char> >::basic_string<char,struct std::char_traits<char>,class std::allocator<char> >(char const
```

```

*)" (??0?$basic_string@DU?$char_t
raits@D@std@@@V?$allocator@D@2@@@std@@@QAE@PBD@Z) already defined in
SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: char const * __thiscall
std::basic_string<char,struct std::char_traits<char>,class
std::allocator<char> >::c_str(void)const "
(?c_str@$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QBEPBD
XZ) already de
fined in TryCppUnit.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocato
r<char> >::~basic_string<char,struct std::char_traits<char>,class std::allocator<char> >(void)"
(??1?$basic_string@DU?$char_traits@D
@std@@@V?$allocator@D@2@@@std@@@QAE@XZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocato
r<char> >::basic_string<char,struct std::char_traits<char>,class std::allocator<char> >(class
std::basic_string<char,struct std::cha
r_traits<char>,class std::allocator<char> > const &)"
(??0?$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QAE@ABV01
@@Z)
already defined in TryCppUnit.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall
std::_Container_base::~~_Container_base(void)" (??1_Container_base@std@@@Q
AE@XZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "void __cdecl std::_Debug_message(wchar_t const
*,wchar_t const *,unsigned int)" (?_Debug_me
ssage@std@@@YAXPB_W0I@Z) already defined in TryCppUnit.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::_Lockit::~~_Lockit(void)"
(??1_Lockit@std@@@QAE@XZ) already defined i
n libcpmtd.lib(xlock.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall std::_Lockit::_Lockit(int)"
(??0_Lockit@std@@@QAE@H@Z) already defined in
libcpmtd.lib(xlock.obj)
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: void __thiscall
std::_Container_base::_Orphan_all(void)const " (?_Orphan_all@_Conta
iner_base@std@@@QBEXXZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: __thiscall
std::_Container_base::_Container_base(void)" (??0_Container_base@std@@@QA
E@XZ) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: static unsigned int __cdecl
std::char_traits<char>::length(char const *)" (?length@
?$char_traits@D@std@@@SAIPBD@Z) already defined in SimpleTest.obj
msvcprtd.lib(MSVCP80D.dll) : error LNK2005: "public: unsigned int __thiscall
std::basic_string<char,struct std::char_traits<char>,class
std::allocator<char> >::length(void)const "
(?length@$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@@QBEIXZ
) already de

```

```

    fined in $blitz.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 defin
    ed in LIBCMTD.lib(stdexcept.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::exception(class
std::exception const &)" (??0exception@st
    d@@@QAE@ABV01@@@Z) already defined in LIBCMTD.lib(stdexcept.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: __invalid_parameter already defined in
    LIBCMTD.lib(invarg.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: __CrtDbgReportW already defined in
    LIBCMTD.lib(dbgrptw.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::exception(char
const * const &)" (??0exception@std@@@QAE@A
    BQBD@Z) already defined in LIBCMTD.lib(stdexcept.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: _memmove_s already defined in
    LIBCMTD.lib(memmove_s.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@@@AAEAAV0@ABV0@@@Z) already defined in LIBCMTD.lib(typinfo.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: char const * __thiscall
type_info::_name_internal_method(struct __type_info_node *)c
    onst" (?_name_internal_method@type_info@@@QBEPBDPAU__type_info_node@@@Z)
    already defined in LIBCMTD.lib(typinfo.obj)
LINK : warning LNK4098: defaultlib 'MSVCRTD' conflicts with use of other libs; use
    /NODEFAULTLIB:library
F:\upp\out\MSC8.Debug_full\TryCppUnit.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\TryCppUnit.pdb" -out
:"F:\upp\out\MSC8.Debug_full\TryCppUnit.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:"M:\UnitTest++\debug" -LIBPATH:"L:\cppunit-1.12.0\cppunit-1.12.0\lib"
    /NODEFAULTLIB:cppunitd "F:\upp\o
    ut\TryCppUnit\MSC8.Debug_full.Main\SimpleTest.obj"
"F:\upp\out\TryCppUnit\MSC8.Debug_full.Main\TryCppUnit.obj" "F:\Program Files\Mic
    rosoft Visual Studio 8\VC\Lib\kernel32.lib" "F:\Program Files\Microsoft Platform
    SDK\Lib\user32.lib" "F:\Program Files\Microsoft Pla
    tform SDK\Lib\ole32.lib" "F:\Program Files\Microsoft Platform SDK\Lib\oleaut32.lib" "F:\Program
    Files\Microsoft Visual Studio 8\VC\L
    ib\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\gzio.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:\cppunit-1.12.0\cppunit-1.12.0\lib\cppunitd.lib"
Error executing "F:\Program Files\Microsoft Visual Studio 8\VC\Bin\link.exe" -nologo
-machine:I386 -pdb:"F:\upp\out\MSC8.Debug_full\TryCppUnit.pdb" -out:"F:\upp\out\MSC8.Debug_full\TryCppUnit.exe" -incremental:yes -debug
-OPT:NOREF -subsystem:console -LIBPATH:"F:\Program Files\Microsoft 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:"M:\UnitTest++\debug"
-LIBPATH:"L:\cppunit-1.12.0\cppunit-1.12.0\lib" /NODEFAULTLIB:cppunitd "F:\upp\out\TryCppUnit\MSC8.Debug_full.Main\SimpleTest.obj"
"F:\upp\out\TryCppUnit\MSC8.Debug_full.Main\TryCppUnit.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:\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.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\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:\cppunit-1.12.0\cppunit-1.12.0\lib\cppunitd.lib"
Exitcode: 1169

```

There were errors. (0:01.00)

Still having problems... ..anyone have any ideas? Thanks in advance.

- Ken

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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
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
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\Microsof
t Platform SDK\lib\advapi32.lib" "F:\Program Files\Microsoft Platform SDK\lib\shell32.lib"
"F:\Program Files\Microsoft Platform SDK\lib\winmm.l
ib" "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\deflat
e.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\gzio.obj"
"F:\upp\out\plugin\z\MSC8.Debug_full\infblock.obj" "F:\upp\out\plugin\z\MSC8.Debug_full\i
nfcodes.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\MSC
8.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(stdexcpt.obj)
MSVCRTD.lib(MSVCR80D.dll) : error LNK2005: "public: __thiscall std::exception::~exception(void)"
(??0exception@std@@@QAE@XZ) already defined in LIBCM
TD.lib(stdexcpt.obj)
MSVCRTD.lib(ti_inst.obj) : error LNK2005: "private: __thiscall type_info::type_info(class type_info
const &)" (??0type_info@@@AAE@ABV0@@@Z) already d
efined 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@@@AAEA
AV0@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_trai
ts@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::alloca
tor<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_Se
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\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.ob  
j" "L:\unittest-cpp-1.3\UnitTest++\debug\UnitTest++.vsnet2005.lib"  
Exitcode: 1169

There were errors. (0:01.06)

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Subject: Re: How do I stick /NODEFAULTLIB in front of a library?  
Posted by [arturbac](#) on Mon, 16 Jul 2007 07:33:42 GMT  
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-NODEFAULTLIB:"oldnames.lib"

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