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**Subject:** Compiler/Linker options

Posted by [slud](#) on Sat, 07 Mar 2009 22:52:51 GMT

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How can I change compiler/linker options? For instance I'd like to change from -MTd to -MDd? I did a lot of search but found nothing about it.

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**Subject:** Re: Compiler/Linker options

Posted by [mirek](#) on Sat, 07 Mar 2009 23:55:16 GMT

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In "Project/Package organizer".

Right click right panes and you can add linker/compiler options for packages and/or files.

Mirek

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**Subject:** Re: Compiler/Linker options

Posted by [slud](#) on Sun, 08 Mar 2009 00:50:47 GMT

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I can't change it with package organizer because it's still being overriden with -MTd at compilation time Moreover I'd like to take full controll on these all parameters.

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**Subject:** Re: Compiler/Linker options

Posted by [mirek](#) on Sun, 08 Mar 2009 08:26:52 GMT

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It is true that there are some options forced by current compilation mode. However, any options submitted by package organizer are on commandline placed \*after\* those "defualt" options, means they should override "automatic" options.

BTW, activate Setup/Verbose mode to see what is really being sent to compiler/linker.

Mirek

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**Subject:** Re: Compiler/Linker options

Posted by [slud](#) on Sun, 08 Mar 2009 09:17:03 GMT

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Unfortunately options from package organizer are passed before default ones. I've got line -MDd

in compiler options and the output is:

```
...  
cl : Command line warning D9025 : overriding '/MDd' with '/MTd'  
...  
... -DbmMINUTE=48 -DbmSECOND=30 -EHsc -Zi -MDd -MTd -Od -Gy ...
```

It's not like I've just run up stucked on something and put questions I'm after several hours of tries, reading manuals (maybe not to carefully) and forum

Maybe I'll try to be more specific. I want to build an app that uses COLLADA DOM (current ver. is 2.2 but I'm still using a little older one, so the setup might be little different). I've already added include and library directories, added libs in package organizer and so on, but I've stucked on linking it together. I've got problems with some already defined symbols when linking, and that depends on runtime - collada dom was built using MDd, so I think the -MTd option might be an issue. In the COLLADA DOM are libraries that were built using VS 2008. I've successfully built same project in visual studio and since I'm using MS VS9 compiler on Thelde I thought that analyzing compiler and linker command line options and making them similar could solve the problem.

I attach some output strings:

```
/*  
  
----- THIS IS THE COMPILER COMMAND LINE FROM VS 2008 -----  
/Od /I "E:\magazyn\coding\colladadom-source\dom\include\1.4" /I  
"E:\magazyn\coding\colladadom-source\dom\include"  
/D "WIN32" /D "_DEBUG" /D "_CONSOLE" /D "_UNICODE" /D "UNICODE"  
/Gm /EHsc /RTC1 /MDd /Fo"Debug\" /Fd"Debug\vc90.pdb" /W3 /c /ZI /TP /errorReport:prompt
```

----- THIS IS THE COMPILER COMMAND LINE FROM ThelDE -----

```
E:\programy\msvs9\Vc\Bin\cl.exe -nologo -W3 -GR -c  
-I"E:\temp\upp" -I"E:\programy\upp\uppsrc"  
-I"E:\programy\msvs9\Vc\Include"  
-I"C:\Program Files\Microsoft SDKs\Windows\v6.0A\Include"  
-I"E:\cd\dom\include"  
-I"E:\cd\dom\include\1.4"  
-DflagGUI -DflagMAIN -DflagMSC9 -DflagDEBUG -DflagDEBUG_FULL -DflagBLITZ -DflagWIN32  
-DflagMSC -DbmYEAR=2009 -DbmMONTH=3 -DbmDAY=7  
-DbmHOUR=19 -DbmMINUTE=35 -DbmSECOND=52 -EHsc -Zi -MTd -Od -Gy  
-Fd"E:/programy/upp/out/Test001/MSC9.Debug.Debug_full.Gui.Main\Test001-1.pdb" -Tp  
"E:\temp\upp\Test001\GuiMyApp.cpp"  
-Fo"E:/programy/upp/out/Test001/MSC9.Debug.Debug_full.Gui.Main\GuiMyApp.obj"
```

----- THIS IS THE LINKER COMMAND LINE FROM VS 2008 -----

```
/OUT:"G:\mgr\colldomvs9\Debug\CollDom.exe" /INCREMENTAL /NOLOGO  
/LIBPATH:"E:\magazyn\coding\colladadom-source\dom\external-libs\pcre\lib\vc9"  
/LIBPATH:"E:\magazyn\coding\colladadom-source\dom\external-libs\libxml2\win32\lib"
```

```

/LIBPATH:"E:\magazyn\coding\colladadom-source\dom\build\vc9-1.4-d" /MANIFEST
/MANIFESTFILE:"Debug\CollDom.exe.intermediate.manifest" /MANIFESTUAC:"level='asInvoker'
uiAccess='false'"
/NODEFAULTLIB:"msvcrt" /DEBUG /PDB:"g:\mgr\colldomvs9\Debug\CollDom.pdb"
/SUBSYSTEM:CONSOLE
/DYNAMICBASE /NXCOMPAT /MACHINE:X86 /ERRORREPORT:PROMPT
libcollada14dom21-sd.lib libxml2_a.lib zlib.lib ws2_32.lib pcre-d.lib pcrecpp-d.lib
kernel32.lib user32.lib gdi32.lib winspool.lib comdlg32.lib advapi32.lib shell32.lib ole32.lib
oleaut32.lib uuid.lib odbc32.lib odbc32.lib

```

----- THIS IS THE LINKER COMMAND LINE FROM TheIDE -----

```

link -nologo -machine:I386 -pdb:"e:\programy\upp\out\MS9.Debug.Debug_full.Gui\Test001.pdb"
-out:"e:\programy\upp\out\MS9.Debug.Debug_full.Gui\Test001.exe" -incremental:yes -debug
-OP
T:NOREF -subsystem:windows -LIBPATH:"E:\programy\msvs9\Vc\Lib" -LIBPATH:"C:\Program
Files\Microsoft SDKs\Windows\v6.0A\Lib" -LIBPATH:"E:\cd\dom\build\vc9-1.4-d" "e:\prog
ramy\upp\out\Test001\MS9.Debug.Debug_full.Gui.Main\GuiMyApp.obj"
"e:\programy\upp\out\Test001\MS9.Debug.Debug_full.Gui.Main\main.obj"
"e:\programy\upp\out\CtrlLib\MS9.Debug.Debu
g_full.Gui\CtrlLib.obj" "e:\programy\upp\out\CtrlLib\MS9.Debug.Debug_Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\CtrlLib\MS9.Debug.Debug_full.Gui\ChWin32.obj" "e:\programy\upp\out\
CtrlCore\MS9.Debug.Debug_full.Gui\CtrlCore.obj" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\comdlg32.lib" "
C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\comctl32.lib"
"e:\programy\upp\out\CtrlCore\MS9.Debug.Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\RichText\MS9.Debug.Debug_f
ull.Gui\RichImage.obj" "e:\programy\upp\out\RichText\MS9.Debug.Debug_full.Gui\$blitz.obj"
"C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\user32.lib" "C:\Program Files\Microsof
t SDKs\Windows\v6.0A\Lib\gdi32.lib"
"e:\programy\upp\out\Draw\MS9.Debug.Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\plugin\ bmp\MS9.Debug.Debug_full.Gui\BmpReg.obj" "e:\progra
my\upp\out\plugin\ bmp\MS9.Debug.Debug_full.Gui\$blitz.obj" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\kernel32.lib" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\user
32.lib" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program
Files\Microsoft SDKs\Windows\v6.0A\Lib\shell32.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6
.0A\Lib\winmm.lib" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\mpr.lib"
"e:\programy\upp\out\Core\MS9.Debug.Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\Core\MS9.Debug.Debug_full.Gui\OL_Set.obj"
"e:\programy\upp\out\Core\MS9.Debug.Debug_full.Gui\heaputil.obj"
"e:\programy\upp\out\Core\MS9.Debug.Debug_full.Gui\lheap.obj" "e:\programy\upp\out\Cor
e\MS9.Debug.Debug_full.Gui\heap.obj"
"e:\programy\upp\out\Core\MS9.Debug.Debug_full.Gui\heapdbg.obj"
"e:\programy\upp\out\plugin\z\MS9.Debug.Debug_full.Gui\adler32.obj" "e:\prog
ramy\upp\out\plugin\z\MS9.Debug.Debug_full.Gui\compress.obj"

```

```

"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\crc32.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full
.Gui\deflate.obj" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\gzio.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\infblock.obj"
"e:\programy\upp\out\plugi
n\z\MSC9.Debug.Debug_full.Gui\infcodes.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\inffast.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\inflate.obj
" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\inftrees.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\infutil.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debu
g.Debug_full.Gui\trees.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\uncompr.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\zutil.obj" "e:\programy\upp
\out\plugin\png\MSC9.Debug.Debug_full.Gui\pngreg.obj"
"e:\programy\upp\out\plugin\png\MSC9.Debug.Debug_full.Gui\pnglib.obj"
"e:\programy\upp\out\plugin\png\MSC9.Debug.Debug_full.Gu
i\pngupp.obj" "E:\cd\dom\build\vc9-1.4-d\libcollada14dom21-sd.lib"
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >::basic_string<char,struct std::char_tr
aits<char>,class std::allocator<char> >(class std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> > const &)"
(??0$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@QAE@Z) already defined in libcpmt.lib(string.obj)
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >::~basic_string<char,struct std::char_t
raits<char>,class std::allocator<char> >(void)"
(??1$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@QAE@XZ)
already defined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.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_s
tr@?$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@QBEPEDXZ)
already defined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >::basic_string<char,struct std::char_tr
aits<char>,class std::allocator<char> >(char const *)"
(??0$basic_string@DU?$char_traits@D@std@@@V?$allocator@D@2@@@std@@QAE@PBD@Z) already defined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "void __cdecl std::_Debug_message(wchar_t const
*,wchar_t const *,unsigned int)" (?_Debug_message@std@@@YAXPB_W0I@Z) already defined in GuiMy
App.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall
std::_Container_base_secure::~_Container_base_secure(void)"
(??1_Container_base_secure@std@@@QAE@XZ) already defined in G
uiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: void __thiscall

```

```
std::Container_base_secure::Orphan_all(void)const "
(?_Orphan_all@_Container_base_secure@std@@QBEXXZ) already def
ined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall std::Lockit::~Lockit(void)"
(??1_Lockit@std@@QAE@XZ) already defined in libcpmt.lib(xlock.obj)
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall std::Lockit::Lockit(int)"
(??0_Lockit@std@@QAE@H@Z) already defined in libcpmt.lib(xlock.obj)
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: __thiscall
std::Container_base_secure::Container_base_secure(void)"
(??0_Container_base_secure@std@@QAE@XZ) already defined in Gu
iMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: unsigned int __thiscall
std::basic_string<char,struct std::char_traits<char>,class std::allocator<char>>::size(void)const "
(size
@?$basic_string@DU?$char_traits@D@std@@V?$allocator@D@2@@@std@@QBEIXZ)
already defined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: class std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char>> & __thiscall std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char>>::erase(unsigned int,unsigned int)"
(erase@?$basic_string@DU?$char_traits@D@std@@V?$allocator@D@2@@@std@@QAEAA
V12@II@Z) already d
efined in GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "public: static unsigned int __cdecl
std::char_traits<char>::length(char const *)" (length@?$char_traits@D@std@@SAIPBD@Z)
already defined i
n GuiMyApp.obj
msvcprt.lib(MSVCP90D.dll) : error LNK2005: "protected: char * __thiscall
std::basic_string<char,struct std::char_traits<char>,class std::allocator<char>>::_Myptr(void)"
(_Myptr@?$ba
sic_string@DU?$char_traits@D@std@@V?$allocator@D@2@@@std@@IAEPADXZ) already
defined in GuiMyApp.obj
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: _free already defined in
LIBCMTD.lib(dbgfree.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: _malloc already defined in
LIBCMTD.lib(dbgmalloc.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: __wassert already defined in
LIBCMTD.lib(wassert.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: "public: virtual __thiscall
std::exception::~exception(void)" (??1exception@std@@UAE@XZ) already defined in
LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: "public: __thiscall std::exception::exception(void)"
(??0exception@std@@QAE@XZ) already defined in LIBCMTD.lib(stdexcpt.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: "public: __thiscall std::exception::exception(class
std::exception const &)" (??0exception@std@@QAE@ABV01@@Z) already defined in
LIBCMTD.lib(
stdexcpt.obj)
MSVCRTD.lib(MSVCRC90D.dll) : error LNK2005: __invalid_parameter already defined in
LIBCMTD.lib(invarg.obj)
```

MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_\_CrtDbgReportW already defined in LIBCMTD.lib(dbgrptw.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: "public: \_\_thiscall std::exception::exception(char const \* const &)" (?\_\_exception@std@@QAE@ABQBD@Z) already defined in LIBCMTD.lib(stdexcpt.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_fflush already defined in LIBCMTD.lib(fflush.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_fprintf already defined in LIBCMTD.lib(fprintf.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_\_iob\_func already defined in LIBCMTD.lib(\_file.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_isalpha already defined in LIBCMTD.lib(\_ctype.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_strncpy already defined in LIBCMTD.lib(strncpy.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_\_snprintf already defined in LIBCMTD.lib(snprintf.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_strcmp already defined in LIBCMTD.lib(strncmp.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_memmove\_s already defined in LIBCMTD.lib(memmove\_s.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_\_strcmp already defined in LIBCMTD.lib(strcmp.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_tolower already defined in LIBCMTD.lib(tolower.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_fclose already defined in LIBCMTD.lib(fclose.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_fread already defined in LIBCMTD.lib(fread.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_atoi already defined in LIBCMTD.lib(atox.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_fwrite already defined in LIBCMTD.lib(fwrite.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_sprintf already defined in LIBCMTD.lib(sprintf.obj)  
MSVCRTD.lib(MSVCRTD.dll) : error LNK2005: \_printf already defined in LIBCMTD.lib(sprintf.obj)  
MSVCRTD.lib(ti\_inst.obj) : error LNK2005: "private: \_\_thiscall type\_info::type\_info(class type\_info const &)" (?\_\_type\_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 &)" (?\_\_operator=@AAEAAV0@ABV0@@Z) already defined in LIBCMTD.lib(typinfo.obj)  
LINK : warning LNK4098: defaultlib 'MSVCRTD' conflicts with use of other libs; use /NODEFAULTLIB:library  
libcollada14dom21-sd.lib(daeURI.obj) : error LNK2019: unresolved external symbol "public: bool \_\_thiscall pcrecpp::RE::FullMatch(class pcrecpp::StringPiece const &,class pcrecpp::Arg const &)const "

```

(?FullMatch@RE@pcrecpp@@QBE_NABVStringPiece@2@ABVArg@2@1111111111111111@Z
) referenced in function "void __cdecl `anonymous
namespace'::parsePath(class std::basic_string<char,struct std::char_traits<char>,class
std::allocator<char> > const &,class std::basic_string<char,struct std::char_traits<char>,c
lass std::allocator<char> > &,class std::basic_string<char,struct std::char_traits<char>,class
std::allocator<char> > &,class std::basic_string<char,struct std::char_traits<char>,c
lass std::allocator<char> > &)"
(?parsePath@?A0x856ecd45@@YAXABV?$basic_string@DU?$char_traits@D@std@@V?$allo
cator@D@2@@std@@AAV23@11@Z)
libcollada14dom21-sd.lib(daeURI.obj) : error LNK2001: unresolved external symbol "public: static
class pcrecpp::Arg pcrecpp::RE::no_arg" (?no_arg@RE@pcrecpp@@2VArg@2@A)
libcollada14dom21-sd.lib(daeURI.obj) : error LNK2019: unresolved external symbol "private: static
bool __cdecl pcrecpp::Arg::parse_string(char const *,int,void *)" (?parse_string@Arg@p
crecpp@@CA_NPBDHPAX@Z) referenced in function "public: __thiscall pcrecpp::Arg::Arg(class
std::basic_string<char,struct std::char_traits<char>,class std::allocator<char> > *)" (??0
Arg@pcrecpp@@QAE@PAV?$basic_string@DU?$char_traits@D@std@@V?$allocator@D@2
@@std@@@Z)
libcollada14dom21-sd.lib(daeURI.obj) : error LNK2019: unresolved external symbol "private: void
__thiscall pcrecpp::RE::Init(class std::basic_string<char,struct std::char_traits<char>,
class std::allocator<char> > const &,class pcrecpp::RE_Options const *)"
(?Init@RE@pcrecpp@@AAEXABV?$basic_string@DU?$char_traits@D@std@@V?$allocator@D@2
@@std@@@PBVRE_Options@2@@Z)
referenced in function "public: __thiscall pcrecpp::RE::RE(char const *)"
(??0RE@pcrecpp@@QAE@PBD@Z)
libcollada14dom21-sd.lib(daeURI.obj) : error LNK2019: unresolved external symbol "public:
__thiscall pcrecpp::RE::~RE(void)" (??1RE@pcrecpp@@QAE@XZ) referenced in function "void
__cdec
I`void __cdecl `anonymous namespace'::parsePath(class std::basic_string<char,struct
std::char_traits<char>,class std::allocator<char> > const &,class basic_string<char,struct
std::char_traits<char>,class std::allocator<char> >::A0x856ecd45 &,class basic_string<
char,struct std::char_traits<char>,class std::allocator<char> >::A0x856ecd45 &)'::`2'::`dynamic
atexit destructor for 're"(void)" (??_Fre@?1??parsePath@?A0x856ecd45@@YAXABV?$bas
ic_string@DU?$char_traits@D@std@@V?$allocator@D@2@@std@@AAV23@11@Z@YAXX
Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
_xmlTextReaderGetParserLineNumber referenced in function "int __cdecl `anonymous
namespace'::g
etCurrentLineNumber(struct _xmlTextReader *)"
(?getCurrentLineNumber@?A0xbae6700e@@YAHPAU_xmlTextReader@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
_UTF8ToIsolat1 referenced in function "unsigned char * __cdecl `anonymous
namespace'::utf8ToLa
tin1(unsigned char const *)" (?utf8ToLatin1@?A0xbae6700e@@YAPAEPBE@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
_xmlStrlen referenced in function "unsigned char * __cdecl `anonymous
namespace'::utf8ToLatin1
(unsigned char const *)" (?utf8ToLatin1@?A0xbae6700e@@YAPAEPBE@Z)

```

```
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_isolateUTF8 referenced in function "unsigned char * __cdecl `anonymous  
namespace'::latin1To  
Utf8(class std::basic_string<char,struct std::char_traits<char>,class std::allocator<char> > const  
&)"  
(?latin1ToUtf8@?A0xbae6700e@@YAPAEABV?$basic_string@DU?$char_traits@D@std@@V?  
$allocator@D@2@@std@@@Z)  
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_xmlTextReaderConstValue referenced in function "void __cdecl `anonymous  
namespace'::packageCu  
rentAttributes(struct _xmlTextReader *,enum DAE::charEncoding,class std::vector<struct  
std::pair<char const *,char const *>,class std::allocator<struct std::pair<char const *,char  
const *> > > &)"  
(?packageCurrentAttributes@?A0xbae6700e@@YAXPAU_xmlTextReader@@W4charEncoding  
@DAE@@AAV?$vector@U?$pair@PBDPBD@std@@V?$allocator@U?$pair@PBDPBD@std  
@@@2@@std@@@Z)  
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_xmlTextReaderConstName referenced in function "void __cdecl `anonymous  
namespace'::packageCur  
rentAttributes(struct _xmlTextReader *,enum DAE::charEncoding,class std::vector<struct  
std::pair<char const *,char const *>,class std::allocator<struct std::pair<char const *,char  
const *> > > &)"  
(?packageCurrentAttributes@?A0xbae6700e@@YAXPAU_xmlTextReader@@W4charEncoding  
@DAE@@AAV?$vector@U?$pair@PBDPBD@std@@V?$allocator@U?$pair@PBDPBD@std  
@@@2@@std@@@Z)  
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_xmlTextReaderMoveToNextAttribute referenced in function "void __cdecl `anonymous  
namespace'::  
packageCurrentAttributes(struct _xmlTextReader *,enum DAE::charEncoding,class  
std::vector<struct std::pair<char const *,char const *>,class std::allocator<struct std::pair<char con  
st *,char const *> > > &)"  
(?packageCurrentAttributes@?A0xbae6700e@@YAXPAU_xmlTextReader@@W4charEncoding  
@DAE@@AAV?$vector@U?$pair@PBDPBD@std@@V?$allocator@U?$pair@PBDPBD@std  
@@@2@@s  
td@@@Z)  
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_xmlTextReaderAttributeCount referenced in function "void __cdecl `anonymous  
namespace'::packa  
geCurrentAttributes(struct _xmlTextReader *,enum DAE::charEncoding,class std::vector<struct  
std::pair<char const *,char const *>,class std::allocator<struct std::pair<char const *,  
char const *> > > &)"  
(?packageCurrentAttributes@?A0xbae6700e@@YAXPAU_xmlTextReader@@W4charEncoding  
@DAE@@AAV?$vector@U?$pair@PBDPBD@std@@V?$allocator@U?$pair@PBDPBD@std  
@@@2@@std@@@  
Z)  
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol  
_xmlInitParser referenced in function "public: __thiscall daeLIBXMLPlugin::daeLIBXMLPlugin(c  
lass DAE &)" (??0daeLIBXMLPlugin@@QAE@AAVDAE@@@Z)
```

```
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlCleanupParser referenced in function "public: virtual __thiscall daeLIBXMLPlugin::~daeLIBXMLPlugin(void)" (??1daeLIBXMLPlugin@@UAE@XZ)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlReaderForFile referenced in function "public: __thiscall xmlTextReaderHelper::xmlTextReaderHelper(class daeURI const &)" (??0xmlTextReaderHelper@@QAE@ABVdaeURI@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlFreeTextReader referenced in function "public: __thiscall
xmlTextReaderHelper::~xmlTextReaderHelper(void)" (??1xmlTextReaderHelper@@QAE@XZ)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlReaderForDoc referenced in function "public: __thiscall
xmlTextReaderHelper::xmlTextReader
Helper(char const *,class daeURI const &)"
(??0xmlTextReaderHelper@@QAE@PBDABVdaeURI@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextReaderRead referenced in function "private: class daeSmartRef<class daeElement>
__this
call daeLIBXMLPlugin::read(struct _xmlTextReader *)"
(?read@daeLIBXMLPlugin@@AAE?AV?$daeSmartRef@VdaeElement@@@PAU_xmlTextReader@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextReaderNodeType referenced in function "private: class daeSmartRef<class
daeElement>
__thiscall daeLIBXMLPlugin::read(struct _xmlTextReader *)"
(?read@daeLIBXMLPlugin@@AAE?AV?$daeSmartRef@VdaeElement@@@PAU_xmlTextReader@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextReaderNext referenced in function "private: class daeSmartRef<class daeElement>
__this
call daeLIBXMLPlugin::readElement(struct _xmlTextReader *,class daeElement *)"
(?readElement@daeLIBXMLPlugin@@AAE?AV?$daeSmartRef@VdaeElement@@@PAU_xmlTextReader@@PAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextReaderIsEmptyElement referenced in function "private: class daeSmartRef<class
daeElement>
__thiscall daeLIBXMLPlugin::readElement(struct _xmlTextReader *,class daeElement *)"
(?readElement@daeLIBXMLPlugin@@AAE?AV?$daeSmartRef@VdaeElement@@@PAU_xmlTextReader@@PAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlFreeTextWriter referenced in function "public: virtual int __thiscall daeLIBXMLPlugin::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterFlush referenced in function "public: virtual int __thiscall daeLIBXMLPlugin::write(class daeURI const &,class daeDocument *,bool)"
```

```

(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterEndDocument referenced in function "public: virtual int __thiscall daeLIBXMLPlug
in::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterStartDocument referenced in function "public: virtual int __thiscall daeLIBXMLPI
ugin::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterSetIndent referenced in function "public: virtual int __thiscall daeLIBXMLPlugin
::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterSetIndentString referenced in function "public: virtual int __thiscall daeLIBXML
Plugin::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlNewTextWriterFilename referenced in function "public: virtual int __thiscall daeLIBXMLPlug
in::write(class daeURI const &,class daeDocument *,bool)"
(?write@daeLIBXMLPlugin@@UAEHABVdaeURI@@PAVdaeDocument@@_N@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterEndElement referenced in function "private: void __thiscall daeLIBXMLPlugin::wri
teElement(class daeElement *)"
(?writeElement@daeLIBXMLPlugin@@AAEXPAAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterStartElement referenced in function "private: void __thiscall daeLIBXMLPlugin::w
riteElement(class daeElement *)"
(?writeElement@daeLIBXMLPlugin@@AAEXPAAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterEndAttribute referenced in function "private: void __thiscall daeLIBXMLPlugin::w
riteAttribute(class daeMetaAttribute *,class daeElement *)"
(?writeAttribute@daeLIBXMLPlugin@@AAEXPAAVdaeMetaAttribute@@PAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterWriteString referenced in function "private: void __thiscall daeLIBXMLPlugin::wr
iteAttribute(class daeMetaAttribute *,class daeElement *)"
(?writeAttribute@daeLIBXMLPlugin@@AAEXPAAVdaeMetaAttribute@@PAVdaeElement@@@Z)
libcollada14dom21-sd.lib(daeLIBXMLPlugin.obj) : error LNK2019: unresolved external symbol
__xmlTextWriterStartAttribute referenced in function "private: void __thiscall daeLIBXMLPlugin:
::writeAttribute(class daeMetaAttribute *,class daeElement *)"
(?writeAttribute@daeLIBXMLPlugin@@AAEXPAAVdaeMetaAttribute@@PAVdaeElement@@@Z)
E:\programy\upp\out\MS9.Debug.Debug_full.Gui\Test001.exe : fatal error LNK1120: 34
unresolved externals
E:\programy\msvs9\Vc\Bin\link.exe -nologo -machine:I386
-pdb:"E:\programy\upp\out\MS9.Debug.Debug_full.Gui\Test001.pdb"
-out:"E:\programy\upp\out\MS9.Debug.Debug_full.Gui\Test001.exe"
" -incremental:yes -debug -OPT:NOREF -subsystem:windows
-LIBPATH:"E:\programy\msvs9\Vc\Lib" -LIBPATH:"C:\Program Files\Microsoft

```

SDKs\Windows\v6.0A\Lib" -LIBPATH:"E:\cd\dom\build\v  
c9-1.4-d" "e:\programy\upp\out\Test001\MSC9.Debug.Debug\_full.Gui.Main\GuiMyApp.obj"  
"e:\programy\upp\out\Test001\MSC9.Debug.Debug\_full.Gui.Main\main.obj" "e:\programy\up  
p\out\CtrlLib\MSC9.Debug.Debug\_full.Gui\CtrlLib.obj"  
"e:\programy\upp\out\CtrlLib\MSC9.Debug.Debug\_full.Gui\\$blitz.obj"  
"e:\programy\upp\out\CtrlLib\MSC9.Debug.Debug\_full.Gui\ChWin  
32.obj" "e:\programy\upp\out\CtrlCore\MSC9.Debug.Debug\_full.Gui\CtrlCore.obj" "C:\Program  
Files\Microsoft SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program Files\Microsoft SDKs\Wind  
ows\v6.0A\Lib\comdlg32.lib" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\comctl32.lib"  
"e:\programy\upp\out\RichText\MSC9.Debug.Debug\_full.Gui\\$blitz.obj" "e:\programy\upp\ou  
t\RichText\MSC9.Debug.Debug\_full.Gui\RichImage.obj"  
"e:\programy\upp\out\RichText\MSC9.Debug.Debug\_full.Gui\\$blitz.obj" "C:\Program  
Files\Microsoft SDKs\Windows\v6.0A\Lib\user32.li  
b" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\gdi32.lib"  
"e:\programy\upp\out\Draw\MSC9.Debug.Debug\_full.Gui\\$blitz.obj"  
"e:\programy\upp\out\plugin\ bmp\MSC9.Debug.Debug\_fu  
ll.Gui\BmpReg.obj" "e:\programy\upp\out\plugin\ bmp\MSC9.Debug.Debug\_full.Gui\\$blitz.obj"  
"C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\kernel32.lib" "C:\Program Files\Microsof  
t SDKs\Windows\v6.0A\Lib\user32.lib" "C:\Program Files\Microsoft  
SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program Files\Microsoft  
SDKs\Windows\v6.0A\Lib\shell32.lib" "C:\Program Fi  
les\Microsoft SDKs\Windows\v6.0A\Lib\winmm.lib" "C:\Program Files\Microsoft  
SDKs\Windows\v6.0A\Lib\mpr.lib"  
"e:\programy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\\$blitz.obj" "e:\prog  
ramy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\OL\_Set.obj"  
"e:\programy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\heaputil.obj"  
"e:\programy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\lheap.  
obj" "e:\programy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\heap.obj"  
"e:\programy\upp\out\Core\MSC9.Debug.Debug\_full.Gui\heapdbg.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_f  
ull.Gui\adler32.obj" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\compress.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\crc32.obj" "e:\programy\upp\out\p  
ugin\z\MSC9.Debug.Debug\_full.Gui\deflate.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\gzio.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\infblock.ob  
j" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\infcodes.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\inffast.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Deb  
ug.Debug\_full.Gui\inflate.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\inftrees.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\infutil.obj" "e:\progra  
my\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\trees.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gui\uncompr.obj"  
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug\_full.Gu  
i\zutil.obj" "e:\programy\upp\out\plugin\png\MSC9.Debug.Debug\_full.Gui\pngreg.obj"  
"e:\programy\upp\out\plugin\png\MSC9.Debug.Debug\_full.Gui\pnglib.obj"  
"e:\programy\upp\out\plugin  
\\png\MSC9.Debug.Debug\_full.Gui\pngupp.obj"

```
"E:\cd\dom\build\vc9-1.4-d\libcollada14dom21-sd.lib"
Error executing E:\programy\msvs9\Vc\Bin\link.exe -nologo -machine:I386
-pdb:"e:\programy\upp\out\MSC9.Debug.Debug_full.Gui\Test001.pdb"
-out:"e:\programy\upp\out\MSC9.Debug.Debug_full
.Gui\Test001.exe" -incremental:yes -debug -OPT:NOREF -subsystem:windows
-LIBPATH:"E:\programy\msvs9\Vc\Lib" -LIBPATH:"C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib" -LIBPATH:"E
:\cd\dom\build\vc9-1.4-d"
"e:\programy\upp\out\Test001\MSC9.Debug.Debug_full.Gui.Main\GuiMyApp.obj"
"e:\programy\upp\out\Test001\MSC9.Debug.Debug_full.Gui.Main\main.obj"
"e:\programy\upp\out\CtrlLib\MSC9.Debug.Debug_full.Gui\CtrlLib.obj"
"e:\programy\upp\out\CtrlLib\MSC9.Debug.Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\CtrlLib\MSC9.Debug.Debug_full.Gui\ChWin32.obj"
"e:\programy\upp\out\CtrlCore\MSC9.Debug.Debug_full.Gui\CtrlCore.obj" "C:\Program
Files\Microsoft SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program Files\Mic
rosoft SDKs\Windows\v6.0A\Lib\comdlg32.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\comctl32.lib"
"e:\programy\upp\out\CtrlCore\MSC9.Debug.Debug_full.Gui\$blitz.obj" "e:
\programy\upp\out\RichText\MSC9.Debug.Debug_full.Gui\RichImage.obj"
"e:\programy\upp\out\RichText\MSC9.Debug.Debug_full.Gui\$blitz.obj" "C:\Program
Files\Microsoft SDKs\Windows\v6.
0A\Lib\user32.lib" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\gdi32.lib"
"e:\programy\upp\out\Draw\MSC9.Debug.Debug_full.Gui\$blitz.obj"
"e:\programy\upp\out\plugin\ bmp\MSC
9.Debug.Debug_full.Gui\BmpReg.obj"
"e:\programy\upp\out\plugin\ bmp\MSC9.Debug.Debug_full.Gui\$blitz.obj" "C:\Program
Files\Microsoft SDKs\Windows\v6.0A\Lib\kernel32.lib" "C:\Progra
m Files\Microsoft SDKs\Windows\v6.0A\Lib\user32.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\advapi32.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\shell32.lib
" "C:\Program Files\Microsoft SDKs\Windows\v6.0A\Lib\winmm.lib" "C:\Program Files\Microsoft
SDKs\Windows\v6.0A\Lib\mpr.lib" "e:\programy\upp\out\Core\MSC9.Debug.Debug_full.Gui\$bli
tz.obj" "e:\programy\upp\out\Core\MSC9.Debug.Debug_full.Gui\OL_Set.obj"
"e:\programy\upp\out\Core\MSC9.Debug.Debug_full.Gui\heaputil.obj"
"e:\programy\upp\out\Core\MSC9.Debug.Debug
_full.Gui\heap.obj" "e:\programy\upp\out\Core\MSC9.Debug.Debug_full.Gui\heap.obj"
"e:\programy\upp\out\Core\MSC9.Debug.Debug_full.Gui\heapdbg.obj"
"e:\programy\upp\out\plugin\z\MS
C9.Debug.Debug_full.Gui\adler32.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\compress.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\crc32.obj" "e:\pr
ogramy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\deflate.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\gzio.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full
.Gui\infblock.obj" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\infcodes.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\inffast.obj" "e:\programy\upp\out\p
ugin\z\MSC9.Debug.Debug_full.Gui\inflate.obj"
```

```
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\inftrees.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\infutil
.obj" "e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\trees.obj"
"e:\programy\upp\out\plugin\z\MSC9.Debug.Debug_full.Gui\uncompr.obj"
"e:\programy\upp\out\plugin\z\MSC9.Deb
ug.Debug_full.Gui\zutil.obj"
"e:\programy\upp\out\plugin\png\MSC9.Debug.Debug_full.Gui\pngreg.obj"
"e:\programy\upp\out\plugin\png\MSC9.Debug.Debug_full.Gui\pnglib.obj" "e:\program
y\upp\out\plugin\png\MSC9.Debug.Debug_full.Gui\pngupp.obj"
"E:\cd\dom\build\vc9-1.4-d\libcollada14dom21-sd.lib"
Exitcode: 1120
*/
```

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Subject: Re: Compiler/Linker options

Posted by [slud](#) on Sun, 08 Mar 2009 15:25:40 GMT

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Unbelievable news... I added -MDd to debug options in build methods section and it works the /MDd option is applied.. now I'm figuring out why there is an error with .dlls

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