Subject: linking difficulties under msvc
Posted by lokki on Tue, 30 Oct 2007 10:39:51 GMT
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Hello,

I've got a problem. I'm using TheIDE with MSC8 build method (Microsoft Visual C++ and need to link external library (FMOD) to my aplication.

libs/include directories are correctly set in Build method settings. External lirary is added in package organizer as well.

When FMOD functions and objects are part of U++ main window class (class generated by IDE at the begining of the project) everything works fine, and apllication is built OK.

But when I try to move FMOD functionality to external class (included in project) to separate it from GUI, I am receiving linking errors as stated below:

Error executing "C:\Program Files\Microsoft Visual Studio 8\Vc\Bin\link.exe" -nologo
-machine:I386 -pdb:"D:\upp\out\MSC8.Debug_full.Gui\fmod
enginetest.pdb" -out:"D:\upp\out\MSC8.Debug_full.Gui\fmodenginetest.exe" -incremental:yes
-debug -OPT:NOREF -subsystem:windows -LIBPATH:
"C:\Program Files\Microsoft Visual Studio 8\Vc\Lib" -LIBPATH:"C:\Program Files\Microsoft Visual
Studio 8\Vc\PlatformSDK\Lib" -LIBPATH:"C
:\Program Files\Microsoft Platform SDK for Windows Server 2003 R2\Lib" -LIBPATH:"D:\jk\lib\lib"
"D:\upp\out\fmodenginetest\MS
C8.Debug_full.Gui.Main\playerengine.obj"
"D:\upp\out\fmodenginetest\MSC8.Debug_full.Gui.Main\main.obj "
"D:\upp\out\CtrlLib\MSC8.Debug_fu
ll.Gui\CtrlLib.obj" "D:\upp\out\CtrlLib\MSC8.Debug_full.Gui\$blitz.obj"
"D:\upp\out\CtrlLib\MSC8.Debug_full.Gui\ChWin32.obj" "D:\upp\out
\CtrlCore\MSC8.Debug_full.Gui\CtrlCore.obj" "C:\Program Files\Microsoft Platform SDK for
Windows Server 2003 R2\Lib\advapi32.lib" "C:\Pr
ogram Files\Microsoft Platform SDK for Windows Server 2003 R2\Lib\comdlg32.lib" "C:\Program
Files\Microsoft Platform SDK for Windows Ser
ver 2003 R2\Lib\comctl32.lib" "D:\upp\out\CtrlCore\MSC8.Debug_full.Gui\$blitz.obj"
"D:\upp\out\RichText\MSC8.Debug_full.Gui\RichImage.ob
j" "D:\upp\out\RichText\MSC8.Debug_full.Gui\$blitz.obj" "C:\Program Files\Microsoft Platform
SDK for Windows Server 2003 R2\Lib\user32.l
ib" "C:\Program Files\Microsoft Platform SDK for Windows Server 2003 R2\Lib\gdi32.lib"
"D:\upp\out\Draw\MSC8.Debug_full.Gui\$blitz.obj"
"C:\Program Files\Microsoft Visual Studio 8\Vc\Lib\kernel32.lib" "C:\Program Files\Microsoft
Platform SDK for Windows Server 2003 R2\Lib
\user32.lib" "C:\Program Files\Microsoft Platform SDK for Windows Server 2003
R2\Lib\advapi32.lib" "C:\Program Files\Microsoft Platform
SDK for Windows Server 2003 R2\Lib\shell32.lib" "C:\Program Files\Microsoft Platform SDK for
Windows Server 2003 R2\Lib\winmm.lib" "D:\u
pp\out\Core\MSC8.Debug_full.Gui\$blitz.obj" "D:\upp\out\Core\MSC8.Debug_full.Gui\OL_Set.obj"

"D:\upp\out\plugin\bmp\MSC8.Debug_full.Gui\
BmpReg.obj" "D:\upp\out\plugin\bmp\MSC8.Debug_full.Gui\$blitz.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\adler32.obj" "D:\upp\out\plu
gin\z\MSC8.Debug_full.Gui\compress.obj" "D:\upp\out\plugin\z\MSC8.Debug_full.Gui\crc32.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\def
late.obj" "D:\upp\out\plugin\z\MSC8.Debug_full.Gui\gzio.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\infblock.obj" "D:\upp\out\plugin\z
\MSC8.Debug_full.Gui\infcodes.obj" "D:\upp\out\plugin\z\MSC8.Debug_full.Gui\inffast.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\inflat
e.obj" "D:\upp\out\plugin\z\MSC8.Debug_full.Gui\inftrees.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\infutil.obj" "D:\upp\out\plugin\z
\MSC8.Debug_full.Gui\trees.obj" "D:\upp\out\plugin\z\MSC8.Debug_full.Gui\uncompr.obj"
"D:\upp\out\plugin\z\MSC8.Debug_full.Gui\zutil.obj
" "D:\upp\out\plugin\png\MSC8.Debug_full.Gui\pngreg.obj"
"D:\upp\out\plugin\png\MSC8.Debug_full.Gui\pnglib.obj" "D:\upp\out\plugin\png\M
SC8.Debug_full.Gui\pngupp.obj" "D:\jk\lib\lib\fmodex_vc.lib"
Exitcode: 1120

Subject: Re: linking difficulties under msvc
Posted by mr_ped on Tue, 30 Oct 2007 14:22:06 GMT
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Quote:Error executing ...

That's not very descriptive Error message. :/
Try to run that command line from cmd.exe in the project directory, maybe you will get some reason why the execution of linking step failed.

Are there some unreferenced symbols, or does it simply exit with failure??

Subject: Re: linking difficulties under msvc
Posted by lokki on Tue, 30 Oct 2007 14:41:41 GMT
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Yes, there were some unreferenced symbols, but...

Problem is now solved and wasn't caused by bad package configuration or missing link options. Bad member function implementation caused linker error.

Sorry for useless thread.
