

AqBanking - Bug #231

Inconsistent use of GWENHYWFAR_CB causes build failures on Windows

11.02.2021 21:51 - jralls@ceridwen.us

Status:	Closed	Beginn:	11.02.2021
Priorität:	Normal	Abgabedatum:	
Kategorie:	Gwenhywfar		
Betriebssystem:	Windows	Anwendung:	GnuCash
AqBanking-Version:	Gwenhywfar 5.5.0, current git master	Version der Anwendung:	
Beschreibung			
The following example errors are repeated for _freeData, _messageBox, _inputBox, _showBox, _hideBox, _progressStart, _progressAdvance, _progressSetTotal, _progressLog, _progressEnd, _print, _getPassword, _setPasswordStatus, _logHook, _waitForSockets, _checkCert, _keyDataFromTextOpenSsl, _execDialog, _openDialog, _closeDialog, _runDialog, _readDialogPrefs, _writeDialogPrefs, _getFilename, and _getSyncio:			
C:/gcdev64/gnucash/maint/src/gwenhywfar-5.5.0/src/gui/nogui.c:192:52: warning: passing argument 2 of 'GWEN_Gui_SetMessageBoxFn' from incompatible pointer type [-Wincompatible-pointer-types] 192 xgui->messageBoxFn=GWEN_Gui_SetMessageBoxFn(gui, _messageBox); ^~~~~~ int (attribute((stdcall)) *)(GWEN_GUI *, uint32_t, const char *, const char *, const char *, const char *, uint32_t) {aka int (attribute((stdcall)) *)(GWEN_GUI *, unsigned int, const char *, const char *, const char *, const char *, const char *, unsigned int)}			
C:/gcdev64/gnucash/maint/src/gwenhywfar-5.5.0/src/gui/nogui.c:233:5: error: conflicting types for '_messageBox' 233 int _messageBox(GWEN_UNUSED GWEN_GUI *gui, ^~~~~~ C:/gcdev64/gnucash/maint/src/gwenhywfar-5.5.0/src/gui/nogui.c:49:26: note: previous declaration of '_messageBox' was here 49 static int GWENHYWFAR_CB _messageBox(GWEN_GUI *gui, ^~~~~~			
C:/gcdev64/gnucash/maint/src/gwenhywfar-5.5.0/src/gui/nogui.c:49:26: warning: '_messageBox' used but never defined 49 static int GWENHYWFAR_CB _messageBox(GWEN_GUI *gui, ^~~~~~			

Historie

#1 - 11.02.2021 22:06 - jralls@ceridwen.us

- Datei 0001-Consistently-use-GWENHYWFAR_CB-in-callback-decls-and.patch wurde hinzugefügt

Additional Functions in GWEN_Gui_ShowProgress, GWEN_Gui_DialogBased_ProgressStart, GWEN_Gui_DialogBased_ProgressEnd, GWEN_Gui_DialogBased_ProgressAdvance, GWEN_Gui_DialogBased_ProgressSetTotal, GWEN_Gui_DialogBased_Progress_Log, GWEN_Gui_DialogBased_InputBox, GWEN_Gui_DialogBased_MessageBox, GWEN_Gui_DialogBased_ShowBox, GWEN_Gui_DialogBased_HideBox, and in testthread.c _freeData and _threadRun_cb.

#2 - 12.02.2021 12:42 - martin

- Status wurde von New zu Closed geändert

Thanks, applied.

I don't usually compile the AqBanking family for Windows because it is a pain in the neck... However, I got it to cross-compile once with mingw under Linux (the dependencies are hard to setup and compile in a cross-compile environment) but that didn't catch these missing GWENHYWFAR_CB's...

So thanks for the patch!!

#3 - 12.02.2021 17:36 - jralls@ceridwen.us

BTW adding GWENHYWFAR_CB on the progress bar functions (and maybe others) is a breaking signature change on the public API: I had to do <https://github.com/Gnucash/gnucash/commit/1993fb95306713e99bc4c906165347ecf901d62a> to get GnuCash to compile on Windows. You didn't mention it in <https://www.aquamaniac.de/rdm/news/27> so perhaps it wasn't intentional.

#4 - 12.02.2021 18:05 - martin

Hmm. These GWENHYWFAR_CB attributes should always have been there, I just didn't catch that they were missing because I seldomly compile on Windoze. Maybe I will have to increase the SO-version of GWEN due to this change...

Anyway: The reason why we introduced this attribute was that otherwise using callbacks from within apps compiled with VC (I believe) led to crashes because that compiler assumed other call characteristics regarding parameter storage on the stack. But that was a long time ago. Does anyone know whether this is still necessary?

#5 - 12.02.2021 22:28 - jralls@ceridwen.us

Well, calling conventions are still a thing, <https://gcc.gnu.org/onlinedocs/gcc/x86-Function-Attributes.html> and <https://docs.microsoft.com/en-us/cpp/cpp/stdcall?view=msvc-160>. It probably only matters when the library is compiled with different flags (or a different compiler) from the caller passing the callback. It obviously doesn't matter when both are compiled with gcc and the same CFLAGS because it's worked in GnuCash without the attribute.

Dateien

0001-Consistently-use-GWENHYWFAR_CB-in-callback-decls-and.patch19 KB	11.02.2021	jralls@ceridwen.us
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