CrystaX NDK - Bug #1252

"Undefined reference to 'swab'" error when using GCC 5 and CrystaX NDK 10.3.1 x64 on Windows

02/02/2016 10:44 AM - Violet Giraffe

Status:	Closed		**Start date:**	02/02/2016
Priority:	Normal		**Due date:**	
Assignee:	Dmitry Moskalchuk		**% Done:**	100%
Category:	libcrystax		**Estimated time:**	0.00 hour
Target version:	11.0.0			
CPU Architecture:	arm		**Android version:**	
Host OS:	Windows		**CrystaX Version:**	10.3.1
Toolchain:	gcc-5			

Description

The original Google Android NDK doesn't provide the swab function, so I defined my own. After migrating to Crystax, I got the "conflicting declaration of 'void swab(const void*, void*, ssize_t)' with 'C' linkage" error. So I removed my implementation and compilation succeeded, but now linker can't find the definition for this function.

History

#1 - 02/02/2016 10:46 AM - Dmitry Moskalchuk

- Category set to libcrystax

- Assignee set to Dmitry Moskalchuk

- Target version set to 11.0.0

#2 - 02/02/2016 10:46 AM - Dmitry Moskalchuk

- Status changed from Open to In Progress

#3 - 02/02/2016 10:50 AM - Violet Giraffe

P. S. I "fixed" the error by making my definition extern "C", but I still wonder if there's something missing in the NDK itself. Or, if swab is being declared by mistake.

#4 - 02/02/2016 11:17 AM - Dmitry Moskalchuk

Violet Giraffe wrote:

> P. S. I "fixed" the error by making my definition extern "C", but I still wonder if there's something missing in the NDK itself. Or, if swab is being declared by mistake.

Yes, this is bug. @swab@ is declared in system headers but not implemented. I'm going to fix it. Thank you for report.

#5 - 02/04/2016 11:32 AM - Dmitry Moskalchuk

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

"Fixed":https://github.com/crystax/android-platform-ndk/commit/f86dbdb4c886508999a50da8eb165539a18e511c. Will be available in libcrystax starting from NDK build #797 (https://dl.crystax.net/builds/).

#6 - 02/04/2016 11:51 AM - Violet Giraffe

Thanks!