la...@google.com <la...@google.com>

COMMENTS

Feb 10, 2021 04:07PM

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	Assigned to an@google.com.	
	ar@google.com <ar@google.com></ar@google.com>	Feb 11, 2021 04:21AM
	Reassigned to em@google.com.	
	em@google.com <em@google.com> #2</em@google.com>	Feb 11, 2021 10:41AM
	Which . so file are you trying to debug?	
	the .so file(s) built by ndk-build: Android Studio can automatically identify the location of the debugging symbol files. Breakpoints should work without any additional effort. the .so file(s) that are included as prebuilt libraries using <code>jniLibs.srcDirs:</code> Android Studio does not know where to find the debugging symbol files. Breakpoints set on C++ files that were compiled into these .so libraries will show up as <code>Breakpoint</code> will not be hit. No executable code is associated with this line warnings, and won't hit. You need to tell Android Studio where to find the symbol files for these .so files. You can achieve this by adding the directory of your symbol files to <code>Edit Configurations Debugger Symbol Directories.</code>	
	ni@motorolasolutions.com <ni@motorolasolutions.com><u>#3</u></ni@motorolasolutions.com>	Feb 19, 2021 09:15AM
	Thanks for suggestion it really helped!	
	Real problem for me was in my android.mk file having "LOCAL_LDFLAGSstrip-all" which didn't generate symbols for debugging. Once it was removed debugging is working.	
	Please help to understand below items. 1) How to disable c assert crash when (APP_OPTIM:=debug) debugging mode? 2) How to enable address sanitizer such that when in a project c/cpp file code does memory corruption, during debugging android studio should catch it and show the backtrace of files which caused it.?	
	em@google.com <em@google.com> #4</em@google.com>	Mar 10, 2021 11:28AM
	Marked as fixed.	
	1)How to disable c assert crash when (APP_OPTIM:=debug)debugging mode?	
	You can add the -DNDEBUG flag to achieve this.	
	• For CMake:	
	add_definitions(-DNDEBUG)	
	For ndk-build:	

LOCAL_CFLAGS += -DNDEBUG

Please be warned that this will also disable code blocks within $\#ifdef\ DEBUG\ ...\ \#endif.$

2)How to enable address sanitizer such that when in a project c/cpp file code does memory corruption, during debugging android studio should catch it and show the backtrace of files which caused it.?

You will need to make a small addition to your wrap. sh file. See the following section: https://developer.android.com/ndk/guides/wrap-script#debugging_when_using_wrapsh