O	<u>IssueTracker</u>	Q Search IssueTracker		· 6 ⑦	(§) s	ign in	
□ <u>Andr</u>	roid Public Tracker > <u>App Developme</u>	ent > <u>Android Studio</u> > <u>Editing</u> > <u>C++ Editor</u>	164566738 🕶				
+ C ⊀	C++ source not showir	ng up in Android Studio for pre	e-built libs	+1 ² Hotlists Mark as D	uplicate	Ţ	;
Comm	nents (11) Dependencies	Duplicates (1) Blocking (0)	Resources (1)				
Featu	re Request P3 + Add Hotlis	st					
s.	TATUS UPDATE No update yet.	Edit					
□ DI	ESCRIPTION ss@gmail.com crea	ted issue <u>#1</u>					Αι
				uns a generated Gradle project to build the APK. It p	-	o file in a	pp/
				in the C++ code. Setting jni.srcDir does't seem to do	anything.		
			an option for me to specify the location in		aging io ooo	u Unfor	tune
	-	_		irectory. Then, it shows all the source files and debu C++/Java/APK dev loop in Android Studio.	gging is eas	y. Ullioi	.ulla
✓ Lin	nks (1)						
⇔ Lin	ks (1)						
"poss	sible for your native build tool to cr	reate a <u>cocompile_commands.json</u> file,	which contains flags used to compile the	source file (In theory we can make Android Studio p	rovide many	IDE fea	ure
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	Reassigned to tg@google.com		ourself and not using the Android Gradle P	lugin. The .so files are then included directly in build	l aradle Is th	nis corre	ct?
	, juot to		out out and not doing the rinard of date.		- Igradion to the		
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			ild is called as a prebuild step in Gradle. We ation as well as post-build steps such as co	e aren't using Gradle's externalNativeBuild CMake in opying assets for packaging.	tegration be	cause th	ıat v
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				ive source files are located. Do expect to manually l	ink them to t	the .so f	les
	through some UI in Android Stu	dio, just like the APK debugging workflo	w?				
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	Yes, that would be great!						
	tg@google.com <tg@googl< td=""><td>le.com><u>#6</u></td><td></td><td></td><td></td><td></td><td>Se</td></tg@googl<>	le.com> <u>#6</u>					Se
	Hi, actually when you use APK o	debugging, APK reloading introduced in <i>i</i>	Android Studio 3.6 and above should autor	natically pick up your updated APK and preserve all	your existing	g setting	js. V
	your workflow?						
	ss@gmail.com <ss@gmail.< td=""><td>com><u>#7</u></td><td></td><td></td><td></td><td></td><td>Se</td></ss@gmail.<>	com> <u>#7</u>					Se
	Are you talking about the 'Profil	e or debug APK' option?					
	If so, it's not so great as a replace off for, say, a Release build.	cement for a typical development enviro	nment because I have to build by other me	eans before I can use it. I also won't be able to navig	ate through	C++ file	s if I
	tg@google.com <tg@googl< td=""><td>le.com> <u>#8</u></td><td></td><td></td><td></td><td></td><td>Sep</td></tg@googl<>	le.com> <u>#8</u>					Sep
	Thanks! Could you elaborate a b	bit more on your workflow?					
	Do you expect to be able to	o browse through C++ files with some IE	DE features like smart navigation, symbol s	earch, etc?			

	Message last modified on Sep 15, 2020 04:26AM
	ss@gmail.com <ss@gmail.com>#9</ss@gmail.com>
	Yes, I would expect to be able to browse and search C++ files. I would also expect IDE completion and real-time inspections.
	I often use Visual Studio or Visual Studio Code and sometimes Xcode to edit C++ files. Since I work on multiplatform C++ software, much of the development can happen on Windows or may emphasize C++ workflows. Currently, I only use Android Studio when I'm testing or debugging an Android-specific problem. I'd be interested in that changing, though. By supporting C++ workflows, it could become an excellent developer experience for those of us trying to write most of our application in C++ so it can be written once and run everywhere.
	CMake is already generating compile_commands.json. If it needs to be copied to a specific location in the gradle project, it would be easy to do in CMake as well.
	tg@google.com <tg@google.com> #10</tg@google.com>
	Thanks! We will evaluate adding support for this use case. In the mean time, would it work for you if you create a placeholder build.gradle file that uses externalNativeBuild block to refe CMakeLists.txt as a temporary workaround?
	ss@gmail.com <ss@gmail.com>#11</ss@gmail.com>
	Thank you!
	We already use externalNativeBuild along with a CMake variable that, when present, forces CMake to return immediately so it won't try to build, but allows us to navigate the C++ source tree
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	Status: New

• Is it possible for your native build tool to create a compile_commands.json file, which contains flags used to compile the source file (In theory we can make Android Studio provide m

• Do you want to edit the files with IDE completion and real time inspections?

• Do you use some other IDE or text editors to edit the C++ files?