

this probably indicate that it's related to transitive imported CMake target.

This is reproducible across local builds (Windows) and GitHub CI builds (Linux), as can be seen here https://github.com/love2d/love-android/actions/runs/4272864616 (logging in to GitHub is re This has been an issue for me for at least few months ago, but have no confidence on filling the bug report until now.

✓ Links (4)

⇔ Links (4)

"The project repository is located here: https://github.com/love2d/love-android/tree/12.x"

"This is reproducible across local builds (Windows) and GitHub CI builds (Linux), as can be seen here https://github.com/love2d/love-android/actions/runs/4272864616 (logging in to GitHub is requir "... say that the only thing add\_dependencies does is enforce build ordering: https://cmake.org/cmake/help/latest/command/add\_dependencies.html . CMake needs to know that liboboe.so is a runti

"Possibly https://cmake.org/cmake/help/latest/command/install.html#runtime-dependency-set, and possibly just plain ol' target\_link\_libraries is the correct way to do that?"

COMMENTS cm...@google.com <cm...@google.com> Assigned to an...@google.com.

	em@google.com <em@google.com><u>#2</u></em@google.com>
	Can you please provide more specific instructions to reproduce this issue?
	I tried these:
	1. git clone https://github.com/love2d/love-android/tree/12.x 2. Use Android Studio Electric Eel Patch 2 to open the project <code>love-android</code> 3. ???
	I see that:
	<ol> <li>app/build.gradle does not have any native build.</li> <li>love/build.gradle has native build, but it's externalNativeBuild { ndkBuild { path 'src/jni/Android.mk' } }</li> </ol>
	I wanted to convert it from ndkBuild to CMake, but I don't see a top-level CMakeLists to use. Is 12.x the correct branch / did you submit your CMake changes?
	au@gmail.com <au@gmail.com>#3</au@gmail.com>
	Sorry for the missing detailed clone instructions.
	<ol> <li>Clone the repository with git clonerecurse-submodules -b 12.x https://github.com/love2d/love-android, withdepth 1 if needed.</li> <li>Perform the necessary edit I mentioned in the first comment.</li> <li>Use either Android Studio Electric Eel Patch 2 or simply run . /gradlew assembleEmbedNoRecordDebug to build the project.</li> <li>Inspect the resulting APK doesn't have liboboe.so, which is required by libopenal.so, and libluajit.so which is required by liblove.so.</li> </ol>
	Message last modified on Mar 22, 2023 02:29PM
	em@google.com <em@google.com>#4</em@google.com>
	Thank you for the detailed instructions. I can reproduce this issue.
	I created a minimal project that reproduces the problem:
	<ol> <li>toplevel custom cmake target: add_custom_target(toplevel)</li> <li>toplevel dependencies: add_dependencies(toplevel lib1 lib2)</li> <li>lib2 depends on Oboe prefab.</li> </ol>
	Building target $toplevel$ does not put $liboboe$ . so into the APK. Adding $lib2$ to the targets list puts $liboboe$ . so into the APK.
	Jomo/Dan do you have any pointers to where the issue might be?
	TransitiveDependency.zip 1.1 MB Download
	da@google.com <da@google.com><u>#5</u></da@google.com>
	The docs say that the only thing add_dependencies does is enforce build ordering: https://cmake.org/cmake/help/latest/command/add_dependencies.html. CMake needs to know that libo
	da@google.com <da@google.com><u>#6</u></da@google.com>
	Possibly https://cmake.org/cmake/help/latest/command/install.html#runtime-dependency-set, and possibly just plain ol' target_link_libraries is the correct way to do that?
	em@google.com <em@google.com><u>#7</u></em@google.com>
	<pre>Ifladd target_link_libraries(toplevel lib1 lib2),   get:</pre>
	Utility target "toplevel" must not be used as the target of a target_link_libraries call.
	gi@google.com <gi@google.com></gi@google.com>
	Reassigned to da@google.com.
	da@google.com <da@google.com><u>#8</u></da@google.com>
	Reassigned to an@google.com.
	Not something I have time to dive deeper on. My guess was already disproven. Doing any more probably requires someone digging through what the cmake API is telling us about those target
	em@google.com <em@google.com><u>#9</u></em@google.com>
	Status: New
	At this point, we can say that this is a new "known issue", i.e., transitive dependencies via add_dependency () are not added into the APK.

