



Native libraries built by NDK with CMake lost after App packed since Android Gradle Plugin 4.2

+1<sup>3</sup>

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BugP2

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 STATUS UPDATE

No update yet.

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 DESCRIPTION

bc...@gmail.com created issue [#1](#)

My App has some JNI libs, and when I use Android Gradle Plugin 4.1.3, they're all packed in the APK; but when I switch to Android Gradle Plugin 7.0.4, I found there's a .so file missing! It seems to be a reproduce referencing repository:

```
git clone https://github.com/bczhc/android-demo --recursive
cd android-demo
./gradlew asD
```

My project has a shared lib called "myLib", defined like:

```
add_library(myLib SHARED ...)
```


But after the build above, in the directory lib/arm64-v8a I found the lib libmyLib.so is missing.

Change the version in the line classpath 'com.android.tools.build:gradle:4.2.2' in app/build.gradle to "4.1.3" and ./gradlew asD again, then analysis the APK, that libmyLib.so is in the directory app/.cxx/cmake/debug/arm64-v8a it has libmyLib.so, but in the packed APK, it disappears. Also I noticed the file [app/.cxx/cmake/debug/arm64-v8a/android\\_gradle\\_build.json](#) , it Gradle version: 7.3.3 JDK version: 17 This happens with Gradle versions (I've tested): 4.2.2, 7.1.1 and 7.3.0-alpha01.

I don't know if it's a bug whatever, or something wrong in my CMake configurations.

Thanks for any helps.


✓ Links (3)

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["https://github.com/bczhc/android-demo"](https://github.com/bczhc/android-demo)

"In the directory app/.cxx/cmake/debug/arm64-v8a it has libmyLib.so, but in the packed APK, it disappears. Also I noticed the file [app/.cxx/cmake/debug/arm64-v8a/android\\_gradle\\_build.json](#) , it ...piled the libraries using the method from <https://developer.android.com/ndk/guides/cmake#usage> , and then manually put the compiled .so files into app/jniLibs, and no library file was lost after the build."

COMMENTS



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[#2](#)

I compiled the libraries using the method from <https://developer.android.com/ndk/guides/cmake#usage>, and then manually put the compiled .so files into app/jniLibs, and no library file was lost after the build.