
 DESCRIPTION

fr...@google.com created issue #1

Oct 20, 2023 05:16AM



I am attempting to get Robolectric unit tests for my Android Library that uses a JNI .so working. I can manually get the tests to run and use the .so by building the JNI library for my native system and adding the path to the .so to android.testOptions.unitTests.all{systemProperty("java.library.path"...)}

Specifically I am trying to get the JNI building and hooked up properly for unit tests on my Android library and my test apps. My cross-compiling tasks that build the JNI libraries for Android are working properly when I add them to variant.jniLibs.addGeneratedSourceDirectory() [↗\(Link to source\)](#).

I tried to do something similar with my new tasks for natively building the JNI .so files using variant.unitTest.jniLibs.addGeneratedSourceDirectory() but I'm not seeing any effect and there's no task dependencies being triggered.

Additional information: My JNI library is written in Rust and I was never able to get it to work well with existing AGP DSLs like externalNativeBuild or ndk (perhaps partially because I build it as part of an Android library and not an app? The full source that builds the JNI libraries is in the directory that I linked to above.

Build: AI-232.9921.47.2321.10905494, 202310050128

AI-232.9921.47.2321.10905494, JRE 17.0.8+0-17.0.8b1000.22-10799086x64 JetBrains s.r.o., OS Linux(amd64) v6.4.4-3rodete1-amd64, screens 3840.0x2080.0

AS: Iguana | 2023.2.1 Canary 7

Kotlin plugin: 232-1.9.0-release-358-AS9921.47.2321.10905494

Android Gradle Plugin: 8.1.2

Gradle: 8.4

Gradle JDK: JetBrains Runtime version 17.0.8

NDK: from local.properties: (not specified), latest from SDK: 25.2.9519653


CMake: from local.properties: (not specified), latest from SDK: 3.22.1-g37088a8, from PATH: 3.26.4

Source: send_feedback_icon

COMMENTS

All comments

↓ Oldest first



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Assigned to je...@google.com.