

Verified Bug **P1** + Add Hotlist

STATUS UPDATE

No update yet.

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DESCRIPTION

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

Apr 25, 2023 07:07AM

...

Build: AI-222.4459.24.2221.9862592, 202303311419,

AI-222.4459.24.2221.9862592, JRE 17.0.6+0-17.0.6b802.4-9586694x64 JetBrains s.r.o., OS Mac OS X(aarch64) v12.6.5, screens 3840.0x2160.0

AS: Flamingo | 2022.2.1

Kotlin plugin: 222-1.8.0-release-AS3739.54

Android Gradle Plugin: 8.0.0

Gradle: 8.0

Gradle JDK: JetBrains Runtime version 17.0.6

NDK: from module: 25.1.8937393, from module: 25.1.8937393, from module: 25.1.8937393, from module: 25.1.8937393, from local.properties: (not specified), latest from SDK: (not found)

CMake: from local.properties: (not specified), latest from SDK: 3.22.1-g37088a8, from PATH: 3.25.2

IMPORTANT: Please read <https://developer.android.com/studio/report-bugs.html> carefully and supply all required information.

...

After updating to Flamingo, the native debugger doesn't load symbols of my native library. This can be worked around by specifying a symbol directory in the configuration.

Additionally, if a symbol directory is not specified, the native debugger isn't connected in "auto" mode.

idea.log

4.5 MB

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Reporter	<div>ma...@google.com</div>
Type	Bug
Priority	<b>P1</b>
Severity	S1
Status	Fixed (Verified)
Access	Default access <div>View</div>
Assignee	<div>em...@google.com</div>
Verifier	<div>ma...@google.com</div>
Collaborators	<div></div>
CC	<div>ma...@google.com</div>
AOSP ID	--
Blocking Release	--
Release Status	--
Found In	2022.2.1.18
Targeted To	--
Verified In	--
In Prod	<div></div>

✓ Links (5) 

Hide all

Links (5)

" ...PORTANT: Please read <https://developer.android.com/studio/report-bugs.html> carefully and supply all required informatio..." ma...@ #1

"Clone <https://github.com/google/filament>" em...@ #3

"<https://github.com/google/filament/blob/main/android/samples/sample-hello-tria...>" em...@ #3

"<https://github.com/google/filament/blob/main/android/filament-android/...>" em...@ #3

"Pending: <http://ag/21180148>" em...@ #6

COMMENTS 

All comments

↓ Oldest first

em...@google.com <em...@google.com> #2

Apr 25, 2023 07:09AM

Just like you said, the IDE claims there are no symbol directories. From the logs:

2023-04-24 13:50:10,937 [5439553] WARN - #c.a.t.n.r.l.AndroidLLDBDriver - No symbol directories found

ju...@google.com <ju...@google.com>

Apr 25, 2023 07:36AM

Assigned to an...@google.com.

em...@google.com <em...@google.com> #3

Apr 25, 2023 08:42AM

Repro instructions:

1. Clone <https://github.com/google/filament>

2. Add cmake to PATH.

3. Set ANDROID\_HOME.

4. On terminal, run:

./build.sh -d -q arm64-v8a -ip desktop,android debug

5. Open filament/android in Android Studio.

Show 1 additional field

6. Select `samples.sample-hello-triangle` as the target app.
7. In `gradle.properties`, replace last few lines with these:

```
com.google.android.filament.tools-dir=../../out/debug/filament
com.google.android.filament.dist-dir=../../out/android-debug/filament
com.google.android.filament.abis=all
com.google.android.filament.matdbg
```

8. To the `AndroidManifest.xml` file for the triangle sample, add:

```
<uses-permission android:name="android.permission.INTERNET" />
```

9. Hit Run => Triangle should appear.
10. Hit "Debug"

Expected result: (This works with Android Studio Electric Eel + AGP 7.4)

- Native debugger can find debug symbols for `libfilament-jni.so`

Actual result:

- Auto debugger starts Java-only debugger.
- When Dual debugger is selected, it says no symbol directories found.

The Gradle build structure:

- `samples.sample-hello-triangle` has implementation dependency to `filament-android`. It does not have any C++ on its own.
  - <https://github.com/google/filament/blob/main/android/samples/sample-hello-triangle/build.gradle#L52>
- `filament-android` builds `libfilament-jni.so` library:
  - <https://github.com/google/filament/blob/main/android/filament-android/CMakeLists.txt#L63>
- `libfilament-jni.so` also links with other files such as `libfilament.a`, but that does not seem relevant to this bug.

I can verify that this works with Giraffe, but not with Flamingo. We might need to backport some fix into Flamingo.



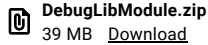
**em...@google.com** <em...@google.com> [#4](#)

Apr 25, 2023 09:00AM ⋮

*Reassigned to sa...@google.com.*

The issue easily reproduces on a simple app with non-native app module that depends on a native lib module. (sample attached).

We fixed this, but it looks like the fix was not included in Flamingo.



**em...@google.com** <em...@google.com> [#5](#)

Apr 25, 2023 09:01AM ⋮

saurabh@ Can we make this a flamingo patch 1 or 2 blocker?

Message last modified on Apr 27, 2023 01:33AM



**em...@google.com** <em...@google.com> [#6](#)

Apr 26, 2023 01:00AM ⋮

Pending: <http://ag/21180148>

Message last modified on Apr 26, 2023 02:25AM



**em...@google.com** <em...@google.com>

Apr 27, 2023 01:31AM

*Reassigned to em...@google.com.*



**em...@google.com** <em...@google.com> [#7](#)

May 2, 2023 02:15AM ⋮

*Marked as fixed.*

The fix will be included in Flamingo Patch 2.

Message last modified on May 2, 2023 02:15AM



**kr...@gmail.com** <kr...@gmail.com> [#8](#)

May 31, 2023 06:24PM ⋮

Is there any workarond for this issue?



**ma...@google.com** <ma...@google.com>

Jun 9, 2023 03:25AM

*Verified by ma...@google.com.*

- m...@gmail.com** <m...@gmail.com> [#9](#)

Jun 22, 2023 10:33PM

⋮

is it fixed?
- em...@google.com** <em...@google.com> [#10](#)

Jun 23, 2023 01:11AM

⋮

Yes, this is fixed. Please use Android Studio Flamingo Patch 2.
- ap...@ecoinfinance.org** <ap...@ecoinfinance.org> [#11](#)

Jun 29, 2023 12:09AM

⋮

same issue here, and i'm usign the last version..  
  
Android Studio Flamingo | 2022.2.1 Patch 2  
Build #AI-222.4459.24.2221.10121639, built on May 12, 2023  
Runtime version: 17.0.6+0-b2043.56-9586694 amd64  
VM: OpenJDK 64-Bit Server VM by JetBrains s.r.o.  
Windows 11 10.0
- em...@google.com** <em...@google.com> [#12](#)

Jul 10, 2023 11:28PM

⋮

Please file a separate issue if you are observing a similar bug. We will need the `idea.log` file to be attached to that new issue, and a full, step-by-step description of how to reproduce the issue.
- su...@gmail.com** <su...@gmail.com> [#13](#)

Jul 17, 2023 10:05PM

⋮

It's working now.  
Change your JDK to 11.0.15 and you should be able to build successfully.