



FixedBugP3

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 STATUS UPDATE No update yet.

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 DESCRIPTION ke...@gmail.com created issue #1

1. After update i can't debug app with JNI code. Debug output tells:

05/07 23:47:37: Launching 'app' on Xiaomi Redmi 4X.
App restart successful without requiring a re-install.
\$ adb shell am start -n "me.getscreen.myjni/me.getscreen.myjni.MainActivity" -a android.intent.action.MAIN -c android.intent.category.LAUNCHER -D
Waiting for application to come online: me.getscreen.myjni.test | me.getscreen.myjni
Waiting for application to come online: me.getscreen.myjni.test | me.getscreen.myjni
Connected to process 20069 on device 'xiaomi-redmi_4x-6ca17c77d440'.
Waiting for application to come online: me.getscreen.myjni.test | me.getscreen.myjni
Connecting to me.getscreen.myjni
Capturing and displaying logcat messages from application. This behavior can be disabled in the "Logcat output" section of the "Debugger" settings page.
I/System.out: Sending WAIT chunk
Now Launching Native Debug Session
com.intellij.execution.ExecutionFinishedException: Execution finished <<< This message appear fast without any freezes

Process finished with exit code 0

Also it is shows tooltip: "Debugger process finished with exit code 127. Rerun 'app'"

2. Debugger type: Java only just working. Other modes Auto / Native mode doesn't work.


3. After downgrade to android-studio-ide-201.7199119-linux it starts work.

Build: AI-202.7660.26.42.7322048, 202104290118,

AI-202.7660.26.42.7322048, JRE 11.0.8+0-b944-P17168821x64 JetBrains s.r.o, OS Linux(amd64) v5.8.0-50-generic, screens 1920x1080

AS: 4.2; Kotlin plugin: 202-1.4.31-release-AS8194.7; Android Gradle Plugin: 4.2.0; Gradle: 6.7.1; NDK: from local.properties: (not specified), latest from SDK: 22.1.7171670; LLDB: pinned revision 3
SDK: (package not found); CMake: from local.properties: (not specified), latest from SDK: 3.10.2, from PATH: (not found)


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

 idea.log


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COMMENTS


All comments

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

May

The error code 127 suggests that one of the required libraries is not installed on your system. Can you please run the following commands and share the results here so that we can analyze?

1. Run the LLDBFrontend binary with the --version flag:

```
bash$ cd $YOUR_STUDIO_DIR/bin/lldb/bin/  
bash$ ./LLDBFrontend --version
```

I expect this command to return an error on your system due to a missing dynamic library.

2. Run the ldd tool to get the dynamic libraries the tool depends on. On my machine, I get:

```
bash$ cd $YOUR_STUDIO_DIR/bin/lldb/bin  
bash$ ldd LLDBFrontend  
        linux-vdso.so.1 (0x00007ffd9b9fc000)  
        liblldb.so.11git => /usr/local/google/home/emrekultursay/Desktop/Android Studio 4.2 RC1/bin/lldb/bin/../../lib64/liblldb.so.11git (0x00007f3b473660)
```

```
libc++.so.1 => /usr/local/google/home/emrekultursay/Desktop/Android Studio 4.2 RC1/bin/lldb/bin/../../lib64/libc++.so.1 (0x00007f3b47282000)
libm.so.6 => /lib/x86_64-linux-gnu/libm.so.6 (0x00007f3b47107000)
libgcc_s.so.1 => /lib/x86_64-linux-gnu/libgcc_s.so.1 (0x00007f3b470ed000)
libpthread.so.0 => /lib/x86_64-linux-gnu/libpthread.so.0 (0x00007f3b470cb000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007f3b46f04000)
/lib64/ld-linux-x86-64.so.2 (0x00007f3b4b988000)
libpython3.8.so.1.0 => /usr/local/google/home/emrekultursay/Desktop/Android Studio 4.2 RC1/bin/lldb/bin/../../lib64/./lib64/libpython3.8.so.1.0 (0
libncurses.so.5 => /lib/x86_64-linux-gnu/libncurses.so.5 (0x00007f3b46941000)
libtinfo.so.5 => /lib/x86_64-linux-gnu/libtinfo.so.5 (0x00007f3b46915000)
libform.so.5 => /usr/lib/x86_64-linux-gnu/libform.so.5 (0x00007f3b46902000)
libpanel.so.5 => /usr/lib/x86_64-linux-gnu/libpanel.so.5 (0x00007f3b468f9000)
libxml2.so.2.9.10 => /usr/local/google/home/emrekultursay/Desktop/Android Studio 4.2 RC1/bin/lldb/bin/../../lib64/./lib64/libxml2.so.2.9.10 (0x000
libedit.so.0 => /usr/local/google/home/emrekultursay/Desktop/Android Studio 4.2 RC1/bin/lldb/bin/../../lib64/./lib64/libedit.so.0 (0x00007f3b4671a
libz.so.1 => /lib/x86_64-linux-gnu/libz.so.1 (0x00007f3b466fd000)
librt.so.1 => /lib/x86_64-linux-gnu/librt.so.1 (0x00007f3b466f2000)
libdl.so.2 => /lib/x86_64-linux-gnu/libdl.so.2 (0x00007f3b466ec000)
libutil.so.1 => /lib/x86_64-linux-gnu/libutil.so.1 (0x00007f3b466e5000)
```

Can you check if you are missing any one of these libraries?

ke...@gmail.com <ke...@gmail.com> #3

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1. Run the LLDBFrontend binary with the --version flag:

```
xxx@xxx-ubuntu:/snap/android-studio/103/android-studio/bin/lldb/bin$ ./LLDBFrontend --version
./LLDBFrontend: error while loading shared libraries: libncurses.so.5: cannot open shared object file: No such file or directory
```

2. Run the ldd tool to get the dynamic libraries the tool depends on. On my machine, I get:

```
xxx@xxx-ubuntu:/snap/android-studio/103/android-studio/bin/lldb/bin$ ldd LLDBFrontend
linux-vdso.so.1 (0x00007fff26b99000)
liblldb.so.11git => /snap/android-studio/103/android-studio/bin/lldb/bin/../../lib64/liblldb.so.11git (0x00007ff33892c000)
libc++.so.1 => /snap/android-studio/103/android-studio/bin/lldb/bin/../../lib64/libc++.so.1 (0x00007ff338848000)
libm.so.6 => /lib/x86_64-linux-gnu/libm.so.6 (0x00007ff3386e4000)
libgcc_s.so.1 => /lib/x86_64-linux-gnu/libgcc_s.so.1 (0x00007ff3386c9000)
libpthread.so.0 => /lib/x86_64-linux-gnu/libpthread.so.0 (0x00007ff3386a7000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007ff3384bd000)
/lib64/ld-linux-x86-64.so.2 (0x00007ff33cf4e000)
libpython3.8.so.1.0 => /snap/android-studio/103/android-studio/bin/lldb/bin/../../lib64/./lib64/libpython3.8.so.1.0 (0x00007ff337f1e000)
libncurses.so.5 => not found
libtinfo.so.5 => not found
libform.so.5 => not found
libpanel.so.5 => not found
libxml2.so.2.9.10 => /snap/android-studio/103/android-studio/bin/lldb/bin/../../lib64/./lib64/libxml2.so.2.9.10 (0x00007ff337d78000)
libedit.so.0 => /snap/android-studio/103/android-studio/bin/lldb/bin/../../lib64/./lib64/libedit.so.0 (0x00007ff337d3d000)
libz.so.1 => /lib/x86_64-linux-gnu/libz.so.1 (0x00007ff337d20000)
librt.so.1 => /lib/x86_64-linux-gnu/librt.so.1 (0x00007ff337d15000)
libdl.so.2 => /lib/x86_64-linux-gnu/libdl.so.2 (0x00007ff337d0f000)
libutil.so.1 => /lib/x86_64-linux-gnu/libutil.so.1 (0x00007ff337d08000)
libncurses.so.5 => not found
libtinfo.so.5 => not found
```

May be the following information also helps:

PS1. ldd for previous working version:

```
xxx@xxx-ubuntu:~/android-studio/bin/lldb/bin$ ldd ./LLDBFrontend
linux-vdso.so.1 (0x00007ffe3953b000)
liblldb.so.7 => /home/xxx/android-studio/bin/lldb/bin/../../lib/liblldb.so.7 (0x00007f90435b3000)
libpthread.so.0 => /lib/x86_64-linux-gnu/libpthread.so.0 (0x00007f904357c000)
libedit.so.0 => /home/xxx/android-studio/bin/lldb/bin/../../lib/libedit.so.0 (0x00007f904333b000)
libpython2.7.so.1.0 => /home/xxx/android-studio/bin/lldb/bin/../../lib/libpython2.7.so.1.0 (0x00007f9043158000)
libtinfo.so.5 => /home/xxx/android-studio/bin/lldb/bin/../../lib/libtinfo.so.5 (0x00007f9042f31000)
libstdc++.so.6 => /home/xxx/android-studio/bin/lldb/bin/../../lib/libstdc++.so.6 (0x00007f9042dae000)
libm.so.6 => /lib/x86_64-linux-gnu/libm.so.6 (0x00007f9042c5d000)
libgcc_s.so.1 => /lib/x86_64-linux-gnu/libgcc_s.so.1 (0x00007f9042c42000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007f9042a58000)
libz.so.1 => /lib/x86_64-linux-gnu/libz.so.1 (0x00007f9042a3b000)
librt.so.1 => /lib/x86_64-linux-gnu/librt.so.1 (0x00007f9042a30000)
libdl.so.2 => /lib/x86_64-linux-gnu/libdl.so.2 (0x00007f9042a2a000)
/lib64/ld-linux-x86-64.so.2 (0x00007f9047785000)
libutil.so.1 => /lib/x86_64-linux-gnu/libutil.so.1 (0x00007f9042a23000)
```

PS2.

Libs included in new version for LLDB (that doesn't work) :

```
xxx@xxx-ubuntu:/snap/android-studio/103/android-studio/bin/lldb$ ls lib
python  python3.8
xxx@xxx-ubuntu:/snap/android-studio/103/android-studio/bin/lldb$ ls lib64
libc++abi.so.1  libc++.so.1  libedit.so.0  liblldb.so.11git  libpython3.8.so.1.0  libxml2.so.2.9.10
```

Libs included in previous version for LLDB (that works) :

```
xxx@xxx-ubuntu:~/android-studio/bin/lldb$ ls lib
libedit.so.0  liblldb.so.7  libpython2.7.so.1.0  libstdc++.so.6  libtinfo.so.5  python  python2.7  readline.so
```

PS3. After installation:

```
sudo apt-get install libncurses5
```

LLDB start working.

I made fresh install of Ubuntu 20.04 few weeks ago with all updates. But didn't install many software. So it looks libncurses5 was not installed on my computer and it didn't included in Ubuntu. Also I made fresh re-install Android-Studio 4.2 (remove and install it from Ubuntu Store) and it didn't help (this dependency libncurses5 didn't installed).

Many thanks! I hope it helps!



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Marked as fixed.

Thanks for sharing the details.

I believe Ubuntu moved on to include `ncurses6` by default, which is why this is happening. We are considering whether we can eliminate the `ncurses5` dependency, or package it inside Android Studio. This is tracked in an internal issue separately.

In canary/beta versions of Android Studio (2020.3.1 Arctic Fox), we made sure that the `idea.log` file provides more information about this class of errors (i.e., it says you are missing a native library name of the missing `.so` file).

I'll mark this bug as Fixed, as AFAIU installing `ncurses5` fixed the problem.