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Android Public Tracker > App Development > Android Studio > Profilers > CPU 172592354

Recording C++ function calls in the profiler results in a .trace file containing only 'Failure'.

+11

Hotlists

Mark as Duplicate

Comments (7)

Dependencies

Duplicates (0)

Blocking (0)

Resources (0)

Fixed

Bug

P3

+ Add Hotlist

STATUS UPDATE

No update yet.

Edit

DESCRIPTION

ch...@numbereight.ai created issue #1

Studio Build: 4.1 #AI-201.8743.12.41.6222593 (although I've had this issue since Studio 3.5) Version of Gradle Plugin: 3.6.3 Version of Gradle: 5.6.4 Version of Java: 1.8.0_242 OS: Ubuntu 20.04

Steps to Reproduce:

1. Plug in any device, or use the simulator, and launch a Profiler session

2. Click CPU

3. Select Sample C/C++ Functions, and then Record

4. Stop recording

5. Note IDE error:

09:59 Trace data was not recorded: The profiler was unable to pre-process the method trace data. Try recording another method trace, or report a bug

09:59 Trace file was not parsed: The profiler was unable to parse the trace file. Please make sure the file selected is a valid trace. Alternatively, try i

6. Note that the contents of the .trace file resulting from the recording contains just 'Failure'.

I do not know of any other conditions that could cause this, but I believe it to be related to Ubuntu 20.04 only. I have successfully used the recording function in the past when I was running 19.10

Screenshot from 2020-11-06 09-59-44.png

195 KB

View

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COMMENTS

vi...@google.com <vi...@google.com>

Assigned to an...@google.com.

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

Reassigned to ch...@numbereight.ai.

Hi, thanks for reporting this issue. To help us investigate, can you attach logcat from the device for when this happened?

ch...@numbereight.ai <ch...@numbereight.ai> #3

Sure thing. Happens with all my devices.

2020-11-12 12:49:41.429 1782-3171/? E/AppScanObserverService: Result available, null observers for user: 0

2020-11-12 12:49:43.310 1782-12674/? E/TCPBufferManager: onSignalStrength not supported

2020-11-12 12:49:43.439 9383-9452/? E/bt_btif_tws_plus: process manudata: 4c 0 bd_addr: 6

2020-11-12 12:49:45.307 22510-22510/ai.numbereight.capture.debug E/libc: Access denied finding property "ro.serialno"

2020-11-12 12:49:47.038 22510-22765/ai.numbereight.capture.debug E/StudioTransport: JVMTI error: 103(JVMTI_ERROR_ILLEGAL_ARGUMENT)

2020-11-12 12:49:47.038 22510-22765/ai.numbereight.capture.debug E/StudioTransport: JVMTI error: 103(JVMTI_ERROR_ILLEGAL_ARGUMENT)

2020-11-12 12:49:47.039 22510-22765/ai.numbereight.capture.debug E/StudioTransport: JVMTI error: 103(JVMTI_ERROR_ILLEGAL_ARGUMENT)

2020-11-12 12:49:47.039 22510-22765/ai.numbereight.capture.debug E/StudioTransport: JVMTI error: 103(JVMTI_ERROR_ILLEGAL_ARGUMENT)

2020-11-12 12:49:47.498 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring

2020-11-12 12:49:48.610 1782-1866/? E/AppIdleHistory: Error writing app idle file for user 0

2020-11-12 12:49:49.712 715-22776/? E/ResolverController: No valid NAT64 prefix (111, <unspecified>/0)

2020-11-12 12:49:51.128 9383-9840/? E/bt_btm: Ignoring RNR as the state is not BTM_SEC_STATE_GETTING_NAME

2020-11-12 12:49:51.146 17968-18000/? E/BleGov.BleDiscovery: Idle State, not handled Msg=7

2020-11-12 12:49:54.180 1782-3171/? E/AppScanObserverService: Result available, null observers for user: 0

2020-11-12 12:49:54.490 1782-7720/? E/TCPBufferManager: onSignalStrength not supported

2020-11-12 12:49:57.873 1782-3251/? E/TCPBufferManager: onSignalStrength not supported

2020-11-12 12:50:00.276 832-2253/? E/CamX: [ERROR][NCS] camxncsservice.cpp:586 EnqueueJob() Can not enqueue jobs when thread is stopped

2020-11-12 12:50:00.871 1782-7720/? E/TCPBufferManager: onSignalStrength not supported

2020-11-12 12:50:02.218 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring

2020-11-12 12:50:03.478 1782-7398/? E/TCPBufferManager: onSignalStrength not supported

2020-11-12 12:50:03.890 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring

2020-11-12 12:50:03.929 17703-17726/? E/MiuiMiHomeConnectController: error

2020-11-12 12:50:06.266 715-22892/? E/ResolverController: No valid NAT64 prefix (111, <unspecified>/0)

2020-11-12 12:50:06.343 715-22900/? E/ResolverController: No valid NAT64 prefix (111, <unspecified>/0)

2020-11-12 12:50:07.215 832-2253/? E/CamX: [ERROR][NCS] camxncsservice.cpp:586 EnqueueJob() Can not enqueue jobs when thread is stopped

2020-11-12 12:50:07.316 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring

```
2020-11-12 12:50:08.411 22909-22909/? E/.android.camer: Not starting debugger since process cannot load the jdwp agent.
2020-11-12 12:50:08.598 22909-22909/? E/libc: Access denied finding property "ro.vendor.display.type"
2020-11-12 12:50:08.678 832-2253/? E/CamX: [ERROR][NCS    ] camxncsservice.cpp:586 EnqueueJob() Can not enqueue jobs when thread is stopped
2020-11-12 12:50:08.699 22909-22909/? E/libc: Access denied finding property "ro.vendor.df.effect.conflict"
2020-11-12 12:50:08.835 22909-22934/? E/CAM_WatermarkMiSysUtils: isFileExist NO Permission!!!!
2020-11-12 12:50:08.836 22909-22934/? E/CAM_WatermarkMiSysUtils: isFileExist NO Permission!!!!
2020-11-12 12:50:08.862 22909-22909/? E/MiCamAlgoInterfaceJNI: start loading com.xiaomi.camera.algojni
2020-11-12 12:50:08.867 22909-22909/? E/linker: normalize_path - invalid input: "D", the input path should be absolute
2020-11-12 12:50:08.867 22909-22909/? E/linker: normalize_path - invalid input: "\User\user\AppData\Local\Android\Sdk\ndk-bundle-r18b\toolchains\llvm\pret
2020-11-12 12:50:08.868 22909-22909/? E/linker: normalize_path - invalid input: "D", the input path should be absolute
2020-11-12 12:50:08.868 22909-22909/? E/linker: normalize_path - invalid input: "\User\user\AppData\Local\Android\Sdk\ndk-bundle-r18b\toolchains\llvm\pret
2020-11-12 12:50:08.880 22909-22909/? E/linker: normalize_path - invalid input: "D", the input path should be absolute
2020-11-12 12:50:08.880 22909-22909/? E/linker: normalize_path - invalid input: "\User\user\AppData\Local\Android\Sdk\ndk-bundle-r18b\toolchains\llvm\pret
2020-11-12 12:50:08.881 22909-22909/? E/linker: normalize_path - invalid input: "D", the input path should be absolute
2020-11-12 12:50:08.881 22909-22909/? E/linker: normalize_path - invalid input: "\User\user\AppData\Local\Android\Sdk\ndk-bundle-r18b\toolchains\llvm\pret
2020-11-12 12:50:09.853 715-22949/? E/ResolverController: No valid NAT64 prefix (111, <unspecified>/0)
2020-11-12 12:50:12.456 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring
2020-11-12 12:50:13.132 1782-3171/? E/AppScanObserverService: Result available, null observers for user: 0
2020-11-12 12:50:15.911 1782-3319/? E/TCPBufferManager: onSignalStrength not supported
2020-11-12 12:50:20.273 12497-12501/? E/subsystem_ramdump: Uevent msg overflow; ignoring
2020-11-12 12:50:21.410 1782-3251/? E/TCPBufferManager: onSignalStrength not supported
```

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

Thanks for the logs. Unfortunately I don't see the detailed error messages I'm looking for. Can you attach the entire logcat to this bug? Also idea.log (Help -> Show logs) would help here too. `

ch...@numbereight.ai <ch...@numbereight.ai> [#5](#)

Sorry for the delay, here's a more complete LogCat for the duration of the profiling, along with idea.log.

It seems the issue is around libncurses.so.5 not existing?

```
2020-11-16 14:15:13.428 [145782179] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:384] /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/simpleperf W dso.cpp:384] /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==/lib/arm64/libncore-jni.so doesn't cc

2020-11-16 14:15:13.503 [145782254] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:493] failed to read min virtual address of simpleperf W dso.cpp:386] failed to read symbols from /apex/com.android.art/javalib/core-oj.jar: Malformed file
simpleperf W dso.cpp:493] failed to read min virtual address of /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==simpleperf W dso.cpp:386] failed to read symbols from /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==/base.apk!

2020-11-16 14:15:13.528 [145782279] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:384] /data/user/0/ai.numbereight.capture.d

2020-11-16 14:15:13.553 [145782304] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:493] failed to read min virtual address of simpleperf W dso.cpp:386] failed to read symbols from /apex/com.android.art/javalib/core-libart.jar: Malformed file

2020-11-16 14:15:13.578 [145782329] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:384] /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/simpleperf W dso.cpp:384] /vendor/lib64/egl/libGLESv2_adreno.so doesn't contain symbol table
simpleperf W dso.cpp:493] failed to read min virtual address of /system/framework/framework.jar: Malformed file
simpleperf W dso.cpp:386] failed to read symbols from /system/framework/framework.jar: Malformed file
simpleperf W dso.cpp:493] failed to read min virtual address of /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==simpleperf W dso.cpp:386] failed to read symbols from /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==/base.apk!
simpleperf W dso.cpp:384] /vendor/lib64/egl/eglSubDriverAndroid.so doesn't contain symbol table
simpleperf W dso.cpp:384] /vendor/lib64/egl/libEGL_adreno.so doesn't contain symbol table

2020-11-16 14:15:13.604 [145782355] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf W dso.cpp:493] failed to read min virtual address of simpleperf W dso.cpp:386] failed to read symbols from /data/app/~~CvvsZKnuaZZ6GcqTFoKhLA==/ai.numbereight.capture.debug-U1vaUWmAeNectmVSN02J3Q==/base.apk!

2020-11-16 14:15:13.629 [145782380] INFO - ansport.TransportDeviceManager - [Transport]: simpleperf I cmd_record.cpp:654] Samples recorded: 2792. Sample

2020-11-16 14:15:13.768 [145782519] WARN - eperf.SimpleperfSampleReporter - simpleperf report-sample exited unsuccessfully. /snap/android-studio/97/andr
```

 **idea.log**
3.7 KB [View](#) [Download](#)

 **simpleperf logcat**
57 KB [Download](#)

ch...@numbereight.ai <ch...@numbereight.ai> [#6](#)

Aha, a simple `sudo apt install libncurses5` worked. Users must have enabled the 'universe' repository in order to find it.

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

Marked as fixed.

Thanks for the logs. Yeah this is an known issue, which we fixed in Android Studio 4.2 Canary 16 by removing the linkage of libncurses. Feel free to try the canary version.

