

← ↺ ☆ [Tiramisu] Bug-9: ART crashed with return code 134

+1⁶

Hotlists (4)

Mark as Duplicate





Comments (5)

Dependencies

Duplicates (0)

Blocking (0)

Resources (2)

Fixed


Bug

P3


+ Add Hotlist

Platform

adexe s nau

 STATUS UPDATE No update yet.

Edit

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

The Test. java in the enclosed archive crashed ART with the following log:

```
03-30 14:28:54.337 7261 7261 F libc : Fatal signal 6 (SIGABRT), code -1 (SI_QUEUE) in tid 7261 (main), pid 7261 (main)
03-30 14:28:54.696 7275 7275 F DEBUG : *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***
03-30 14:28:54.696 7275 7275 F DEBUG : Build fingerprint: 'google/sdk_gphone64_x86_64/emu64xa:Tiramisu/TPP2.220218.008/8250781:userdebug/dev-keys'
03-30 14:28:54.696 7275 7275 F DEBUG : Revision: '0'
03-30 14:28:54.696 7275 7275 F DEBUG : ABI: 'x86_64'
03-30 14:28:54.696 7275 7275 F DEBUG : Timestamp: 2022-03-30 14:28:54.426173778+0200
03-30 14:28:54.696 7275 7275 F DEBUG : Process uptime: 3s
03-30 14:28:54.696 7275 7275 F DEBUG : Cmdline: dalvikvm -cp /data/local/tmp/test.jar Test
03-30 14:28:54.696 7275 7275 F DEBUG : pid: 7261, tid: 7261, name: main >>> dalvikvm <<<
03-30 14:28:54.696 7275 7275 F DEBUG : uid: 0
03-30 14:28:54.696 7275 7275 F DEBUG : signal 6 (SIGABRT), code -1 (SI_QUEUE), fault addr -----
03-30 14:28:54.697 7275 7275 F DEBUG : Abort message: 'GC tried to mark invalid reference 0x1
03-30 14:28:54.697 7275 7275 F DEBUG : ref=0x1 <invalid address>
...
03-30 14:28:54.697 7275 7275 F DEBUG : backtrace:
03-30 14:28:54.697 7275 7275 F DEBUG : #00 pc 00000000005ecef /apex/com.android.runtime/lib64/bionic/libc.so (abort+191) (BuildId: 4a49f5f713524c
03-30 14:28:54.697 7275 7275 F DEBUG : #01 pc 00000000007ed1c4 /apex/com.android.art/lib64/libart.so (art::Runtime::Abort(char const*)+1124) (Buil
03-30 14:28:54.697 7275 7275 F DEBUG : #02 pc 0000000000019a8c /apex/com.android.art/lib64/libbase.so (android::base::SetAborter(std::__1::functio
03-30 14:28:54.697 7275 7275 F DEBUG : #03 pc 0000000000018fde /apex/com.android.art/lib64/libbase.so (android::base::LogMessage::~~LogMessage()+35
03-30 14:28:54.697 7275 7275 F DEBUG : #04 pc 0000000000054f60c /apex/com.android.art/lib64/libart.so (art::gc::Verification::LogHeapCorruption(art
03-30 14:28:54.697 7275 7275 F DEBUG : #05 pc 00000000004c7ce6 /apex/com.android.art/lib64/libart.so (art::gc::collector::ConcurrentCopying::MarkN
03-30 14:28:54.697 7275 7275 F DEBUG : #06 pc 00000000004ca4f8 /apex/com.android.art/lib64/libart.so (art::gc::collector::ConcurrentCopying::Threa
03-30 14:28:54.697 7275 7275 F DEBUG : #07 pc 0000000000086ac32 /apex/com.android.art/lib64/libart.so (art::ReferenceMapVisitor<art::RootCallbackVi
03-30 14:28:54.697 7275 7275 F DEBUG : #08 pc 00000000000817db8 /apex/com.android.art/lib64/libart.so (void art::StackVisitor::WalkStack<(art::Stac
03-30 14:28:54.697 7275 7275 F DEBUG : #09 pc 00000000000861ad1 /apex/com.android.art/lib64/libart.so (art::Thread::VisitRoots(art::RootVisitor*, a
03-30 14:28:54.697 7275 7275 F DEBUG : #10 pc 00000000004ca21d /apex/com.android.art/lib64/libart.so (art::gc::collector::ConcurrentCopying::Threa
03-30 14:28:54.697 7275 7275 F DEBUG : #11 pc 00000000000856a39 /apex/com.android.art/lib64/libart.so (art::Thread::FullSuspendCheck(bool)+1225) (B
03-30 14:28:54.697 7275 7275 F DEBUG : #12 pc 0000000000922f0b /apex/com.android.art/lib64/libart.so (artTestSuspendFromCode+43) (BuildId: f9c2294
03-30 14:28:54.697 7275 7275 F DEBUG : #13 pc 0000000000037b20d /apex/com.android.art/lib64/libart.so (art_quick_test_suspend+173) (BuildId: f9c229
03-30 14:28:54.697 7275 7275 F DEBUG : #14 pc 00000000002001ca8 /memfd:jit-cache (deleted) (java.lang.ArrayIndexOutOfBoundsException.<init>+216)
03-30 14:28:54.697 7275 7275 F DEBUG : #15 pc 00000000000371cb4 /apex/com.android.art/lib64/libart.so (art_quick_invoke_stub+756) (BuildId: f9c2294
03-30 14:28:54.697 7275 7275 F DEBUG : #16 pc 000000000003f1a16 /apex/com.android.art/lib64/libart.so (art::ArtMethod::Invoke(art::Thread*, unsigne
03-30 14:28:54.697 7275 7275 F DEBUG : #17 pc 000000000007e56c1 /apex/com.android.art/lib64/libart.so (art::JValue art::InvokeWithJValues<art::ArtM
03-30 14:28:54.697 7275 7275 F DEBUG : #18 pc 0000000000085fc43 /apex/com.android.art/lib64/libart.so (art::Thread::ThrowNewWrappedException(char c
03-30 14:28:54.697 7275 7275 F DEBUG : #19 pc 00000000000467727 /apex/com.android.art/lib64/libart.so (art::ThrowException(char const*, art::ObjPtr
03-30 14:28:54.697 7275 7275 F DEBUG : #20 pc 000000000004678d5 /apex/com.android.art/lib64/libart.so (art::ThrowArrayIndexOutOfBoundsExcepion(int
03-30 14:28:54.697 7275 7275 F DEBUG : #21 pc 000000000009230a8 /apex/com.android.art/lib64/libart.so (artThrowArrayBoundsFromCode+8) (BuildId: f9c
03-30 14:28:54.697 7275 7275 F DEBUG : #22 pc 0000000000037120d /apex/com.android.art/lib64/libart.so (art_quick_throw_array_bounds+173) (BuildId:
03-30 14:28:54.697 7275 7275 F DEBUG : #23 pc 00000000002001b72 /memfd:jit-cache (deleted) (Test.vMethl+2898)
03-30 14:28:54.698 7275 7275 F DEBUG : #24 pc 00000000000368428 /apex/com.android.art/lib64/libart.so (nterp_helper+56) (BuildId: f9c22944c82b378b1
03-30 14:28:54.698 7275 7275 F DEBUG : #25 pc 00000000000002176 [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.v
03-30 14:28:54.698 7275 7275 F DEBUG : #26 pc 00000000000368428 /apex/com.android.art/lib64/libart.so (nterp_helper+56) (BuildId: f9c22944c82b378b1
03-30 14:28:54.698 7275 7275 F DEBUG : #27 pc 00000000000001a7e [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.b
03-30 14:28:54.698 7275 7275 F DEBUG : #28 pc 00000000000368428 /apex/com.android.art/lib64/libart.so (nterp_helper+56) (BuildId: f9c22944c82b378b1
03-30 14:28:54.698 7275 7275 F DEBUG : #29 pc 00000000000001c42 [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.m
03-30 14:28:54.698 7275 7275 F DEBUG : #30 pc 00000000000369288 /apex/com.android.art/lib64/libart.so (nterp_helper+3736) (BuildId: f9c22944c82b378
03-30 14:28:54.698 7275 7275 F DEBUG : #31 pc 0000000000001be0 [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.m
03-30 14:28:54.698 7275 7275 F DEBUG : #32 pc 00000000000372016 /apex/com.android.art/lib64/libart.so (art_quick_invoke_static_stub+806) (BuildId:
03-30 14:28:54.698 7275 7275 F DEBUG : #33 pc 000000000003f1a49 /apex/com.android.art/lib64/libart.so (art::ArtMethod::Invoke(art::Thread*, unsigne
03-30 14:28:54.698 7275 7275 F DEBUG : #34 pc 000000000007e4fc1 /apex/com.android.art/lib64/libart.so (art::JValue art::InvokeWithVarArgs<art::ArtM
03-30 14:28:54.698 7275 7275 F DEBUG : #35 pc 00000000000644a74 /apex/com.android.art/lib64/libart.so (art::JNI<false>::CallStaticVoidMethodV(_JNIEnv
03-30 14:28:54.698 7275 7275 F DEBUG : #36 pc 00000000000002a84 /apex/com.android.art/bin/dalvikvm64 (_JNIEnv::CallStaticVoidMethod(_jclass*, _jmet
03-30 14:28:54.698 7275 7275 F DEBUG : #37 pc 0000000000000271c /apex/com.android.art/bin/dalvikvm64 (art::dalvikvm(int, char**)+2060) (BuildId: c4
03-30 14:28:54.698 7275 7275 F DEBUG : #38 pc 00000000000001ef5 /apex/com.android.art/bin/dalvikvm64 (main+5) (BuildId: c4b9abdc3d0244c2262af6c81d3
03-30 14:28:54.698 7275 7275 F DEBUG : #39 pc 000000000000050f9 /apex/com.android.runtime/lib64/bionic/libc.so (__libc_init+89) (BuildId: 4a49f5f71
```

Environment to reproduce the problem

Android Build: Tiramisu; TPP2.220218.008

```
$ adb shell getprop ro.system.build.id
TPP2.220218.008
```

```
$ ./build-tools/33.0.0-rc2/d8 --version
D8 3.3.11-dev (build 5d015d7a69cc8b662b4f28a71ff2a4dfd5adc1bb from go/r8bot (luci-r8-custom-ci-xenia1-13-fsvv))
```

HotSpot and OpenJDK: java-11-openjdk-amd64

```
$ java -version
openjdk version "11.0.14" 2022-01-18
OpenJDK Runtime Environment (build 11.0.14+9-Ubuntu-0ubuntu2.20.04)
OpenJDK 64-Bit Server VM (build 11.0.14+9-Ubuntu-0ubuntu2.20.04, mixed mode, sharing)
$ javac -version
javac 11.0.14
```

Please also check the following link for the bugreport (of adb bugreport): https://drive.google.com/file/d/19kFtWEGihzj_8M7NyyvFntLrAI7K_1vhg/view?usp=sharing
We have already shared the above bugreport with android-bugreport@google.com.

Steps to reproduce the problem (including sample code if appropriate)

Note, Test.class and test.jar are precompiled using javac and d8 as aforementioned

Push test.jar to the emulator

```
$ adb push test.jar /data/local/tmp/
```

Run in dalvikvm

```
$ adb shell dalvikvm -cp /data/local/tmp/test.jar Test
```

Check the return code

```
$ echo $?
```

What happened

ART crashed with return code 134

What you think the correct behavior should be

ART does not crash



COMMENTS

- ad...@google.com** <ad...@google.com>
Assigned to ad...@google.com.
- ad...@google.com** <ad...@google.com> #2
We have passed this to the development team and will update this issue with more information as it becomes available.
- ad...@google.com** <ad...@google.com> #3
Marked as fixed.
The issue has been fixed and it will be available in a future build.
- fe...@gmail.com** <fe...@gmail.com> #4
Hi google team,
Could you share the patch about this bug? thanks.
- co...@gmail.com** <co...@gmail.com> #5
Please give us a patch, we have the problem yet