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☐ Android Public Tracker > Android 14 Developer Preview / Beta 227365247 ▼ ← C ☆ [Tiramisu] Bug-11: ART crashed with return code 139 Hotlists (4) Mark as Duplicate Δ Comments (3) Dependencies Duplicates (1) Blocking (0) Resources (3) Fixed Bug P3 Platform + Add Hotlist

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 14:10:22,998 6199 6199 F libc
                                                           : Fatal signal 11 (SIGSEGV), code 1 (SEGV_MAPERR), fault addr 0x412cffbe0 in tid 6199 (main), pid 6199 (main)
03-30 14:10:23.372 6213 6213 F DEBUG
                                                          03-30 14:10:23.372 6213 6213 F DEBUG
                                                           : Build fingerprint: 'google/sdk_gphone64_x86_64/emu64xa:Tiramisu/TPP2.220218.008/8250781:userdebug/dev-keys'
03-30 14:10:23.372 6213 6213 F DEBUG
                                                           : Revision: '0'
                                                            : ABI: 'x86 64'
03-30 14:10:23.372 6213 6213 F DEBUG
03-30 14:10:23.372 6213 6213 F DEBUG
                                                            : Timestamp: 2022-03-30 14:10:23.044674221+0200
03-30 14:10:23.372 6213 6213 F DEBUG
                                                            : Process uptime: 6s
03-30 14:10:23,372 6213 6213 F DEBUG
                                                            : Cmdline: dalvikvm -cp /data/local/tmp/test.jar Test
03-30 14:10:23.372 6213 6213 F DEBUG
                                                            : pid: 6199, tid: 6199, name: main >>> dalvikvm <<<
                                                            : uid: 2000
03-30 14:10:23.372 6213 6213 F DEBUG
03-30 14:10:23.372 6213 6213 F DEBUG
                                                            : signal 11 (SIGSEGV), code 1 (SEGV MAPERR), fault addr 0x0000000412cffbe0
03-30 14:10:23.372 6213 6213 F DEBUG
                                                                     rax 0000000012cffbd8 rbx 0000000012cffb78 rcx 00007b146b077010 rdx 00007ffca88b8d68
03-30 14:10:23.372 6213 6213 F DEBUG
                                                                     r8 - 00007b1274c4a200 - r9 - 0000000012cffc18 - r10 - 00000000fffff800 - r11 - 00007b150b304d58 - r10 - r1
                                                                     03-30 14:10:23.372 6213 6213 F DEBUG
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                     rdi 00000007031ce08 rsi 000000000000000c
                                                                     rbp 0000000012d9ca70 rsp 00007ffca88b8d60 rip 000000004337e309
03-30 14:10:23.373 6213 6213 F DEBUG
03-30 14:10:23.373 6213 6213 F DEBUG
                                                            : backtrace:
                                                                        #00 pc 0000000002005309 /memfd:jit-cache (deleted) (Test.1Meth+1273)
03-30 14:10:23.373 6213 6213 F DEBUG
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                        #01 pc 0000000000368c59
                                                                                                             /apex/com.android.art/lib64/libart.so (nterp_helper+2153) (BuildId: f9c22944c82b378
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                        #02 pc 00000000000023e2
                                                                                                             [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.v
03-30 14:10:23,373 6213 6213 F DEBUG
                                                                        #03 pc 0000000002001ba9 /memfd:iit-cache (deleted) (Test.mainTest+329)
03-30 14:10:23,373 6213 6213 F DEBUG
                                                                        #04 pc 00000000003692ed /apex/com.android.art/lib64/libart.so (nterp_helper+3837) (BuildId: f9c22944c82b378
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                        #05 pc 0000000000001e1c
                                                                                                             [anon:dalvik-classes.dex extracted in memory from /data/local/tmp/test.jar] (Test.m
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                        #06 pc 000000000372016 /apex/com.android.art/lib64/libart.so (art_quick_invoke_static_stub+806) (BuildId:
03-30 14:10:23.373 6213 6213 F DEBUG
                                                                        #07 pc 00000000003f1a49 /apex/com.android.art/lib64/libart.so (art::ArtMethod::Invoke(art::Thread*, unsigne
03-30 14:10:23.374 6213 6213 F DEBUG
                                                                        #08 pc 00000000007e4fc1 /apex/com.android.art/lib64/libart.so (art::JValue art::InvokeWithVarArgs<art::ArtM
03-30 14:10:23.374 6213 6213 F DEBUG
                                                                        #09 pc 0000000000644a74
                                                                                                             /apex/com.android.art/lib64/libart.so (art::JNI<false>::CallStaticVoidMethodV( JNIE
                                                                        #10 pc 000000000002a84 /apex/com.android.art/bin/dalvikvm64 (_JNIEnv::CallStaticVoidMethod(_jclass*, _jmet
03-30 14:10:23.374 6213 6213 F DEBUG
03-30 14:10:23.374 6213 6213 F DEBUG
                                                                        #11 pc 000000000000271c /apex/com.android.art/bin/dalvikvm64 (art::dalvikvm(int, char**)+2060) (BuildId: c4
03-30 14:10:23,374 6213 6213 F DEBUG
                                                                        #12 pc 0000000000001ef5 /apex/com.android.art/bin/dalvikvm64 (main+5) (BuildId: c4b9abdc3d0244c2262af6c81d3
03-30 14:10:23.374 6213 6213 F DEBUG
                                                                        #13 pc 0000000000505f9 /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
```

Android Build Tools: bulid-tools:33.0.0-rc2

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

HotSpot and OpenJDK: java-11-openjdk-amd64

```
$ iava -version
openidk version "11.0.14" 2022-01-18
OpenJDK Runtime Environment (build 11.0.14+9-Ubuntu-Oubuntu2.20.04)
OpenJDK 64-Bit Server VM (build 11.0.14+9-Ubuntu-Oubuntu2.20.04, 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/1XX5-S0LxH0oK9qN2UC1jd\_pCNIFpCp6a/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

	<pre>\$ adb push test.jar /data/local/tmp/</pre>
_	4 and path 10001 jat / and 100 at / ang/
RI	ın in dalvikvm
	\$ adb shell dalvikvm -cp /data/local/tmp/test.jar Test
CI	neck the return code
	\$ echo \$? 139
w	hat happened
Al	RT crashed with return code 139
W	hat you think the correct behavior should be
Al	RT does not crash
1	டு <sup>deleted</sup>
,	OB O
✓ Lin	ks (2)
⊖ Lin	KS (2)
	also check the following link for the bugreport (of adb bugreport): <a href="https://drive.google.com/file/d/1XX5-SOLxH0oK9qN2UC1jd_pcNlFpCp6a/view?usp=sharing">https://drive.google.com/file/d/1XX5-SOLxH0oK9qN2UC1jd_pcNlFpCp6a/view?usp=sharing</a>
"httn	
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."
COMME	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  ad@google.com <ad@google.com></ad@google.com>
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."
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	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  ad@google.com <ad@google.com>  Assigned to ad@google.com.</ad@google.com>
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  ad@google.com <ad@google.com> Assigned to ad@google.com.  ad@google.com <ad@google.com>#2</ad@google.com></ad@google.com>
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  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>
	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  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.  vm@google.com <vm@google.com>#3  Marked as fixed, reassigned to vm@google.com.</vm@google.com></ad@google.com></ad@google.com>
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	s://android-review.googlesource.com/2041623 Fix last value generation in loop optimization."  NTS  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.  vm@google.com <vm@google.com>#3  Marked as fixed, reassigned to vm@google.com.  The underlying issue was fixed by</vm@google.com></ad@google.com></ad@google.com>