

Android Public Tracker > App Development > Android Studio > Deployment > Debugger 37120221

art/runtime/barrier.cc:90] Check failed: count_ == 0 (count_=-1, 0=0) Attempted to destroy barrier with non zero count

+1 5 Hotlists (2) Mark as Duplicate

Comments (9) Dependencies Duplicates (0) Blocking (0) Resources (5)

Assigned Bug P3 + Add Hotlist Migrated-Tools-debugger

STATUS UPDATE No update yet. Edit

DESCRIPTION av...@gmail.com created issue #1 Sep 20, 2016 12:07AM

Originally reported here: <https://youtrack.jetbrains.com/issue/IDEA-161449>

while stepping

09-19 12:59:39.751 A/art: art/runtime/debugger.cc:514] Check failed: c != nullptr
09-19 12:59:40.178 A/art: art/runtime/barrier.cc:90] Check failed: count_ == 0 (count_=-1, 0=0) Attempted to destroy barrier with non zero count
09-19 12:59:40.178 A/art: art/runtime/runtime.cc:366] Runtime aborting — recursively, so no thread-specific detail!
09-19 12:59:40.178 A/art: art/runtime/runtime.cc:366]

beginning of crash
09-19 12:59:40.179 A/libc: Fatal signal 6 (SIGABRT), code -6 in tid 15279 (JDWP)

Links (4) Hide all

"Originally reported here: <https://youtrack.jetbrains.com/issue/IDEA-161449>" av...@ #1
"http://ro.build.id" ce...@ #5, nobody@ #6
"http://ro.build.display.id" nobody@ #6
"[ro.build.host]: [vpee3.mtv.corp.google.com]" nobody@ #6

COMMENTS

All comments Oldest first

vs...@google.com <vs...@google.com> #2 Sep 20, 2016 12:23AM

Please provide the following information:

- Target device make/model
- API level

If possible, provide a sample project or steps to reproduce the issue.

ce...@gmail.com <ce...@gmail.com> #3 Sep 20, 2016 08:11AM

device SM-N9005
buildToolsVersion '24.0.2'
compileSdkVersion 24
minSdkVersion 13
targetSdkVersion 24
com.android.tools.build:gradle:2.2.0-beta3

step to reproduce
(cant reproduce as issue exist randomly while stepping in debugger)

vs...@google.com <vs...@google.com> #4 Sep 20, 2016 08:21AM

Thank you. Could you attach the output of:

\$ adb shell getprop | grep ro.build

ce...@gmail.com <ce...@gmail.com> #5 Nov 12, 2016 07:45AM

[ro.build.version.release]: [6.0.1]
[ro.build.version.sdk]: [23]
[ro.build.id]: [M4B30X]

[Deleted User] <[Deleted User]> #6 Dec 13, 2016 10:37PM

Same issue here on Emulator:

Reporter av...@gmail.com

Type Bug

Priority P3

Severity S3

Status Assigned

Access Default access View

Assignee rp...@google.com

Verifier --

Collaborators

CC ar...@google.com
av...@gmail.com
bd...@google.com
bu...@google.com
ke...@google.com
... and 5 more (show all)

AOSP ID 222852

Blocking Release --

Release Status --

Found In --

Targeted To --

Verified In --

In Prod

Show 1 additional field

[ro.build.characteristics]: [emulator]
[ro.build.date]: [Mon Nov 21 21:09:39 UTC 2016]
[ro.build.date.utc]: [1479762579]
[ro.build.description]: [sdk_google_phone_x86_64-userdebug 36903755.0 MASTER 3512684 test-keys]
[ro.build.display.id]: [sdk_google_phone_x86_64-userdebug 36903755.0 MASTER 3512684 test-keys]
[ro.build.fingerprint]: [Android/sdk_google_phone_x86_64/generic_x86_64:6.0/MASTER/3512684:userdebug/test-keys]
[ro.build.flavor]: [sdk_google_phone_x86_64-userdebug]
[ro.build.host]: [vpee3.mtv.corp.google.com]
[ro.build.id]: [MASTER]
[ro.build.product]: [generic_x86_64]
[ro.build.tags]: [test-keys]
[ro.build.type]: [userdebug]
[ro.build.user]: [android-build]
[ro.build.version.all_codenames]: [REL]
[ro.build.version.base_os]: []
[ro.build.version.codename]: [REL]
[ro.build.version.incremental]: [3512684]
[ro.build.version.preview_sdk]: [0]
[ro.build.version.release]: [6.0]
[ro.build.version.sdk]: [23]
[ro.build.version.security_patch]: [2016-09-06]

mi...@gmail.com <mi...@gmail.com> #7

Mar 17, 2017 08:47PM

Similar case here on Dragonboard 410c but it's system_server getting the problem which makes the Android system restarts after operation of ~10 hours.

Android system is 6.0.1 from Linaro. I reduce the global reference table size to 2560 in order to make it happen faster (~10mins). Below is the logcat.

```
01-01 01:22:31.645403 756 768 F art : art/runtime/indirect_reference_table.cc:115] JNI ERROR (app bug): global
reference table overflow (max=2560)
01-01 01:22:31.645478 756 768 F art : art/runtime/indirect_reference_table.cc:115] global reference table dump:
01-01 01:22:31.645504 756 768 F art : art/runtime/indirect_reference_table.cc:115] Last 10 entries (of 2559):
01-01 01:22:31.645522 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2558: 0x13726920
java.lang.ref.WeakReference
01-01 01:22:31.645539 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2557: 0x13468570
com.android.internal.util.AsyncChannel$DeathMonitor
01-01 01:22:31.645555 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2556: 0x13742460
java.lang.ref.WeakReference
01-01 01:22:31.645574 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2555: 0x136dc8c0
java.lang.ref.WeakReference
01-01 01:22:31.645591 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2554: 0x1372c280
java.lang.ref.WeakReference
01-01 01:22:31.645610 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2553: 0x136b4ba0
java.lang.ref.WeakReference
01-01 01:22:31.645630 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2552: 0x1371a300
java.lang.ref.WeakReference
01-01 01:22:31.645646 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2551: 0x136c0c40
java.lang.ref.WeakReference
01-01 01:22:31.645663 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2550: 0x137287e0
java.lang.ref.WeakReference
01-01 01:22:31.645678 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2549: 0x136cef20
java.lang.ref.WeakReference
01-01 01:22:31.645695 756 768 F art : art/runtime/indirect_reference_table.cc:115] Summary:
01-01 01:22:31.645710 756 768 F art : art/runtime/indirect_reference_table.cc:115] 1 of
com.android.server.SerialService
01-01 01:22:31.645724 756 768 F art : art/runtime/indirect_reference_table.cc:115] 1 of
com.android.server.VibratorService
01-01 01:22:31.645742 756 768 F art : art/runtime/indirect_reference_table.cc:115] 1 of
com.android.server.location.FlpHardwareProvider
...
01-01 01:22:31.647663 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2 of java.lang.ThreadGroup (2
unique instances)
01-01 01:22:31.647677 756 768 F art : art/runtime/indirect_reference_table.cc:115] 1633 of
java.lang.ref.WeakReference (1633 unique instances)
01-01 01:22:31.647697 756 768 F art : art/runtime/indirect_reference_table.cc:115] 2 of android.opengl.EGLDisplay
(1 unique instances)
...
01-01 01:22:35.119216 756 768 F art : art/runtime/barrier.cc:90] Check failed: count_ == 0 (count_=-1, 0=0) Attempted to
destroy barrier with non zero count
01-01 01:22:35.119320 756 768 F art : art/runtime/runtime.cc:366] Runtime aborting --- recursively, so no thread-specific
detail!
01-01 01:22:35.119352 756 768 F art : art/runtime/runtime.cc:366]
----- switch to crash
01-01 01:22:35.119735 756 768 F libc : Fatal signal 6 (SIGABRT), code -6 in tid 768 (Binder_2)
----- switch to crash
01-01 01:22:35.361678 301 301 F DEBUG : Abort message: 'art/runtime/indirect_reference_table.cc:115] JNI ERROR (app
bug): global reference table overflow (max=2560)'
01-01 01:22:35.361808 301 301 F DEBUG : x0 0000000000000000 x1 0000000000000300 x2 0000000000000006
x3 0000000000000000
01-01 01:22:35.361887 301 301 F DEBUG : x4 0000000000000000 x5 0000000000000001 x6 0000000000000000
x7 0000000000000000
```

01-01 01:22:35.361953 301 301 F DEBUG : x8 0000000000000083 x9 0000007fa17aca70 x10 0000000000000003
x11 0000000000000170
01-01 01:22:35.362012 301 301 F DEBUG : x12 000000000000000e x13 0000000000004000 x14 0000000000000000
x15 0000000000000000
01-01 01:22:35.362073 301 301 F DEBUG : x16 0000007fa17a56a8 x17 0000007fa1767b6c x18 8000000000000000
x19 0000007f8bceb510
01-01 01:22:35.362130 301 301 F DEBUG : x20 0000007f8bceb450 x21 0000000000000000 x22 0000000000000006
x23 0000007f9e43b000
01-01 01:22:35.362183 301 301 F DEBUG : x24 000000558e61a000 x25 000000558e123c20 x26 000000558dff5960
x27 0000007f9e36e000
01-01 01:22:35.362233 301 301 F DEBUG : x28 000000558e5e8630 x29 0000007f8bce9ad0 x30 0000007fa1765308
01-01 01:22:35.362286 301 301 F DEBUG : sp 0000007f8bce9ad0 pc 0000007fa1767b74 pstate 0000000020000000
01-01 01:22:35.371922 301 301 F DEBUG :
01-01 01:22:35.371922 301 301 F DEBUG : backtrace:
01-01 01:22:35.372078 301 301 F DEBUG : #00 pc 000000000006ab74 /system/lib64/libc.so (tgkill+8)
01-01 01:22:35.372184 301 301 F DEBUG : #01 pc 0000000000068304 /system/lib64/libc.so (pthread_kill+68)
01-01 01:22:35.372254 301 301 F DEBUG : #02 pc 00000000000212f8 /system/lib64/libc.so (raise+28)
01-01 01:22:35.372319 301 301 F DEBUG : #03 pc 000000000001ba98 /system/lib64/libc.so (abort+60)
01-01 01:22:35.372389 301 301 F DEBUG : #04 pc 0000000000436508 /system/lib64/libart.so
(art::Runtime::Abort()+324)
01-01 01:22:35.372448 301 301 F DEBUG : #05 pc 0000000000139264 /system/lib64/libart.so
(art::LogMessage::~~LogMessage()+3136)
01-01 01:22:35.372514 301 301 F DEBUG : #06 pc 0000000000133d08 /system/lib64/libart.so
(art::Barrier::~~Barrier()+296)
01-01 01:22:35.372571 301 301 F DEBUG : #07 pc 0000000000046b0f4 /system/lib64/libart.so
(art::ThreadList::Dump(std::__1::basic_ostream<char, std::__1::char_traits<char> >&)+212)
01-01 01:22:35.372628 301 301 F DEBUG : #08 pc 00000000004365f0 /system/lib64/libart.so
(art::Runtime::Abort()+556)
01-01 01:22:35.372691 301 301 F DEBUG : #09 pc 0000000000139264 /system/lib64/libart.so
(art::LogMessage::~~LogMessage()+3136)
01-01 01:22:35.372750 301 301 F DEBUG : #10 pc 00000000000276508 /system/lib64/libart.so
(art::IndirectReferenceTable::Add(unsigned int, art::mirror::Object*)+372)
01-01 01:22:35.372804 301 301 F DEBUG : #11 pc 0000000000030d4ac /system/lib64/libart.so
(art::JavaVMExt::AddGlobalRef(art::Thread*, art::mirror::Object*)+56)
01-01 01:22:35.372861 301 301 F DEBUG : #12 pc 000000000003432cc /system/lib64/libart.so
(art::JNI::NewGlobalRef(_JNIEnv*, _jobject*)+320)
01-01 01:22:35.372917 301 301 F DEBUG : #13 pc 00000000000462050 /system/lib64/libart.so
(art::Thread::CreateNativeThread(_JNIEnv*, _jobject*, unsigned long, bool)+180)
01-01 01:22:35.372982 301 301 F DEBUG : #14 pc 0000000007253d2b4 /data/dalvik-
cache/arm64/system@framework@boot.oat (offset 0x1f08000)

There are too many java.lang.ref.WeakReference (1633) left in the table. Could anyone advise how I can check where WeakReference comes from?



rp...@google.com <rp...@google.com>

Nov 4, 2017 04:26AM

Assigned to rp...@google.com.



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

Apr 16, 2018 05:57PM ⋮

Hi,
I have the same problème :
I/System: FinalizerDaemon: finalize objects = 250
A/art: art/runtime/debugger.cc:514] Check failed: c != nullptr
W/art: Attempted to destroy barrier with non zero count -1

Crash : A/libc: Fatal signal 6 (SIGABRT), code -6 in tid 5304 (JDWP)

Any suggestion?



ng...@google.com <ng...@google.com> [#9](#)

Feb 2, 2023 01:26AM ⋮

(this isn't an ART bug)