



IssueTracker

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← C ☆ signal 11 (SIGSEGV), code 1 (SEGV MAPERR), fault addr deadbaad Comments (14) Dependencies Duplicates (0) Blocking (0) Resources (0) [WAI] Bug P3 + Add Hotlist NeedsInfo STATUS UPDATE No update yet. DESCRIPTION pa...@gmail.com created issue #1 Feb 3, 2011 03:00PM Hi, I'm new in Android world and my first project is translate my game engine I wrote in Java to Android (No NDK, all Java :D). All working fine (perhaps framerate is poor at this moment, because I'm using Canvas instead OpenGI), the big problem at this moment are randomly crashes, I think I'm corrupting heap, but don't know where >:(I'm using emulator with Android 2.1 and 2.3, my phone is Sony Ericcson Xperia X10 mini pro with Android 2.1 too. All devices have same problem. Steps to reproduce the problem: - Loading screen (works fine with some IOException, but nothing important to this problem, I solved in my last revision and big problem still here) - Main menu, you can navigate the menus (Options and Multiplayer) - New game -> Loading screen again, load resources with no problem - In game, crash randomly, you can fire, move, or don't do anything, result is the same, i tried going quickly to main menu, sometimes crashes in pause menu, main menu, or navigating to options menu after new game. Problem must be here. LogCat output:

02-03 02:50:14.185 I/DEBUG (30): pid: 2760, tid: 2762 >>> javierpastor.gameproject <<<

02-03 02:50:14.203 I/DEBUG (30): r0 deadbaad r1 0000000c r2 00000027 r3 00000000 02-03 02:50:14.213 I/DEBUG (30): r4 00000080 r5 afd46668 r6 0000a000 r7 00040006

02-03 02:50:14.213 I/DEBUG (30): r8 100ffab0 r9 415b8f64 10 415b8f50 fp 436169b0

02-03 02:50:14.738 I/DEBUG (30): afd15ed0 68241c23 d1fb2c00 68dae027 d0042a00 02-03 02:50:14.743 I/DEBUG (30): afd15ee0 20014d18 6028447d 48174790 24802227

02-03 02:50:14.743 I/DEBUG (30): afd15ef0 f7f57002 2106eb56 ec92f7f6 0563aa01 02-03 02:50:14.763 I/DEBUG (30): afd15f00 60932100 91016051 1c112006 e818f7f6

02-03 02:50:14.783 I/DEBUG (30): afd15f10 2200a905 f7f62002 f7f5e824 2106eb42

02-03 02:50:14.783 I/DEBUG (30): afd19354 b0834a0d 589c447b 26009001 686768a5 02-03 02:50:14.793 I/DEBUG (30): afd19364 220ce008 2b005eab 1c28d003 47889901

02-03 02:50:14.703 I/DEBUG (30):

02-03 02:50:14.713 I/DEBUG (30):

02-03 02:50:14.738 I/DEBUG (30):

02-03 02:50:14.783 I/DEBUG (30):

02-03 02:50:14.738 I/DEBUG (30): code around pc:

02-03 02:50:14.783 I/DEBUG (30): code around Ir:

02-03 02:50:14.163 I/DEBUG (30): Build fingerprint: 'generic/sdk/generic:2.3/GRH55/79397:eng/test-keys'

02-03 02:50:14.185 I/DEBUG (30): signal 11 (SIGSEGV), code 1 (SEGV_MAPERR), fault addr deadbaad

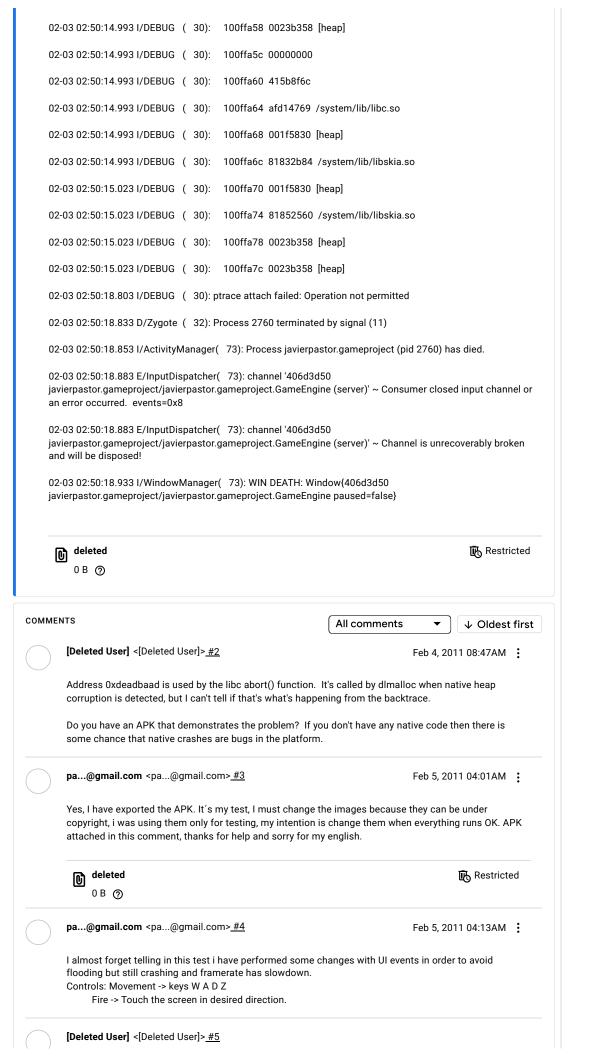
02-03 02:50:14.213 I/DEBUG (30): ip ffffffff sp 100ffa10 lr afd19375 pc afd15ef0 cpsr 00000030

#00 pc 00015ef0 /system/lib/libc.so

#01 pc 00013852 /system/lib/libc.so

Reporter	pa@gmail.com
Туре	Bug
Priority	P3
Severity	S3
Status	Won't fix (Intended behavior)
Access	Default access View
Assignee	
Verifier	-
Collaborators	å
СС	身 pa@gmail.com
CC AOSP ID	
	pa@gmail.com
AOSP ID	pa@gmail.com
AOSP ID ReportedBy	pa@gmail.com
AOSP ID ReportedBy Found In	pa@gmail.com
AOSP ID ReportedBy Found In Targeted To	pa@gmail.com

```
02-03 02:50:14.813 I/DEBUG ( 30): afd19374 35544306 d5f43f01 2c006824 b003d1ee
02-03 02:50:14.813 I/DEBUG ( 30): afd19384 bdf01c30 000281a8 ffffff88 1c0fb5f0
02-03 02:50:14.823 I/DEBUG ( 30): afd19394 43551c3d a904b087 1c16ac01 604d9004
02-03 02:50:14.823 I/DEBUG ( 30):
02-03 02:50:14.823 I/DEBUG ( 30): stack:
02-03 02:50:14.833 I/DEBUG ( 30): 100ff9d0 00000015
02-03 02:50:14.863 I/DEBUG ( 30): 100ff9d4 afd18407 /system/lib/libc.so
02-03 02:50:14.863 I/DEBUG ( 30): 100ff9d8 afd4270c /system/lib/libc.so
02-03 02:50:14.863 I/DEBUG ( 30): 100ff9dc afd426b8 /system/lib/libc.so
02-03 02:50:14.883 I/DEBUG ( 30): 100ff9e0 00000000
02-03 02:50:14.883 I/DEBUG ( 30): 100ff9e4 afd19375 /system/lib/libc.so
02-03 02:50:14.883 I/DEBUG ( 30): 100ff9e8 000000da
02-03 02:50:14.893 I/DEBUG ( 30): 100ff9ec afd183d9 /system/lib/libc.so
02-03 02:50:14.913 I/DEBUG ( 30): 100ff9f0 000001b4
02-03 02:50:14.913 I/DEBUG ( 30): 100ff9f4 00000000
02-03 02:50:14.923 I/DEBUG ( 30): 100ff9f8 afd46668
02-03 02:50:14.923 I/DEBUG ( 30): 100ff9fc 0000a000 [heap]
02-03 02:50:14.923 I/DEBUG ( 30): 100ffa00 00040006 [heap]
02-03 02:50:14.923 I/DEBUG ( 30): 100ffa04 afd18677 /system/lib/libc.so
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa08 df002777
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa0c e3a070ad
02-03 02:50:14.933 I/DEBUG ( 30): #00 100ffa10 000001b4
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa14 c0000000
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa18 afd46608
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa1c afd11010 /system/lib/libc.so
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa20 001f5830 [heap]
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa24 fffffbdf
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa28 000000da
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa2c 00000000
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa30 00040008 [heap]
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa34 afd13857 /system/lib/libc.so
02-03 02:50:14.933 I/DEBUG ( 30): #01 100ffa38 00000000
02-03 02:50:14.933 I/DEBUG ( 30): 100ffa3c afd13857 /system/lib/libc.so
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa40 000000da
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa44 00000110
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa48 000001b4
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa4c c0000000
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa50 00000001
02-03 02:50:14.993 I/DEBUG ( 30): 100ffa54 001f5830 [heap]
```



I finally got a chance to try it out. I get a lot of input event complaints, and it eventually ANRs, but I haven't seen a native crash.

It seems to take a few seconds to draw a frame.

Note I'm just touching the screen -- my device doesn't have a physical keyboard.

pa...@gmail.com <pa...@gmail.com>#6

Feb 10, 2011 07:04AM

Yes, i read somewhere that touch events should sleep after consuming for avoid flooding, i did it but has result in worse framerate (I will recheck my synchronized functions and list for event handling, event list is filled by UI Thread, but must be readed by game main thread). Try touch screen for fire a few times, and then press back button for get in pause menu, I get a crash when pause menu comes visible, this is the way how I get that stack trace (deadbaad address is the most frecuent crash, I have others, I think the problem must be in same place for these crashes).

Thanks for helping, I will put your name will be in credits [?]. I make going to make a few tests for get some others crashes examples for post them above here.

[Deleted User] < [Deleted User] > #7

Feb 10, 2011 07:44AM

Looking at "top", you're not burning 100% of the CPU. Watching thread status updates with DDMS shows a "Thread-12" frequently sitting in MONITOR state, i.e. it's waiting on a lock held by another thread. I grabbed a thread dump and it looks like your main thread is in Thread.sleep() (via Engine.onSensorChanged) and the other is in Engine.getPlayerInput; I suspect you've got a stall.

(Note I'm running this on a pre-release device with Honeycomb, so it may be behaving differently from what you're seeing.)

I did what you suggested, firing a couple of times and hitting the back button. After a little over two minutes it did crash:

pid: 940, tid: 941 >>> javierpastor.gameproject <<< signal 7 (SIGBUS), code 128 (?), fault addr 00000000 r0 ffffffff r1 001b2cff r2 00000000 r3 00000001 r4 fffffff r5 001b2cff r6 00000000 r7 4003af68 r8 100ffa90 r9 4003af60 10 4003af4c fp acab1474 ip ab1f8a24 sp 100ffa48 lr afb049ec pc afb049ec

Stack Trace:

RELADDR FUNCTION FILE:LINE

000049ec android_atomic_add+16 /system/core/include/cutils/atomic-arm.h:158 v----> SkBitmap::MipMap::unref() /external/skia/src/core/SkBitmap.cpp:75 00049a14 SkBitmap::freeMipMap()+24 /external/skia/src/core/SkBitmap.cpp:75 00049ee8 SkBitmap::freePixels()+8 /external/skia/src/core/SkBitmap.cpp:338

00049fa8 SkBitmap::setPixels(void*, SkColorTable*)+16 /external/skia/src/core/SkBitmap.cpp:320

00054f38 Bitmap_recycle(_JNIEnv*, _jobject*, SkBitmap*)+36 /frameworks/base/core/jni/android/graphics/Bitmap.cpp:268

00012bfc dvmPlatformInvoke+124 /dalvik/vm/arch/arm/CallEABI.S:259

0004b74e dvmCallJNIMethod_staticNoRef+62 /dalvik/vm/Jni.c:1732

000442a4 dvmCheckCallJNIMethod_staticNoRef+12 /dalvik/vm/CheckJni.c:169

0001c518 dalvik_mterp+48 /dalvik/vm/mterp/out/InterpAsm-armv7-a.S:13821

00020f68 dvmMterpStd+200 /dalvik/vm/mterp/Mterp.c:109 0001fef4 dvmInterpret+232 /dalvik/vm/interp/Interp.c:1361 000642a8 dvmCallMethodV+296 /dalvik/vm/interp/Stack.c:531 000642d0 dvmCallMethod+20 /dalvik/vm/interp/Stack.c:436 0005833e callMethod+86 /dalvik/vm/alloc/HeapWorker.c:244 000583b8 doHeapWork+52 /dalvik/vm/alloc/HeapWorker.c:307 /dalvik/vm/alloc/HeapWorker.c:432 00058522 heapWorkerThreadStart+270 00056d3e internalThreadStart+78 /dalvik/vm/Thread.c:1926 00011af8 __thread_entry+48

/bionic/libc/bionic/pthread.c:210 00011700 pthread_create+184 /bionic/libc/bionic/pthread.c:350

Looks like a failure in Bitmap.recycle().

Filed internally as 3439331.		
pa@gmail.com <pa@gmail.com> #9</pa@gmail.com>	Feb 12, 2011 08:49PM	:
Hello again, I tried delete all recycle() calls in project and "problem has solved", you were right, it must be a bug in recycle, I can now restart game and go to pause menu without problem. I solved another problem, I overrided on BackPressed method for pause menu and go to parent menu instead in on KeyDown method, when Activity called his on Pause method, app crashed inmediately after showing menu, if I leave the recycle calls app crash randomly (recycle is called when an actor is deleted because have a temp image where is drawn the sprite in the actual frame). It sont a pretty good solution but game now works properly, now when finalize method is called i only set null that temp images. Now I have a question solution collect that memory like if recycled is called?	d	
If need some more info or the new apk for study the bug, just tell me. Best		
di@gtempaccount.com <di@gtempaccount.com><u>#10</u></di@gtempaccount.com>	Feb 22, 2011 09:15AM	:
Status: Won't Fix (Intended Behavior)		
Not a platform bug. Closing.		
[Deleted User] <[Deleted User]> <u>#11</u>	Feb 23, 2011 05:08AM	:
FWIW, this is still under investigation.		
[Deleted Heart of Deleted Hearth #12	Eab 24 2011 11:22AM	:
[Deleted User] <[Deleted User]>#12	Feb 24, 2011 11:32AM	•
The engineer examining the problem concluded:	reu 24, 2011 11.52AW	•
	(or while it is being) recy	cled
The engineer examining the problem concluded: The APK is using Bitmaps from multiple threads, reusing it after it has been (The Skia graphics library is not completely thread-safe, and introducing addi	(or while it is being) recy	cled
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