

## CrystaX NDK - Bug #894

### Device test 'math' fails on x86\_64 when built with clang

02/03/2015 04:12 PM - Alexander Zhukov

<b>Status:</b>	Open	<b>Start date:</b>	02/03/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	11.0.0	<b>Android version:</b>	
<b>CPU Architecture:</b>	x86_64	<b>CrystaX Version:</b>	10.3.1
<b>Host OS:</b>			
<b>Toolchain:</b>	clang-3.4, clang-3.5, clang-3.6, clang-3.7, clang-3.8		

#### Description

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2016-05-21 05:00:38.999 UTC: RUN device test [math] clang3.8 +PIE: x86_64 [1/2] android-21 'emulat
or-5554'
2016-05-21 05:00:38.999 UTC: > ## ADBRUNNER.51965 [emulator-5554] LOCK (attempt #1): /Volumes/
android/ndk/out/tests/clang3.8/device/math/target+PIE/libs/x86_64/math_c
2016-05-21 05:00:38.999 UTC: > ## ADBRUNNER.51965 [emulator-5554] START (attempt #1): /Volumes/
android/ndk/out/tests/clang3.8/device/math/target+PIE/libs/x86_64/math_c
2016-05-21 05:00:38.999 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN: mkdir -p /data/local/tm
p/ndk-tests/x86_64/tmp && mkdir -p /data/local/tmp/ndk-tests/x86_64/lib && mkdir -p /data/local/tm
p/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b && mkdir -p /data/local/tmp/ndk-tests/x86_
64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin && mkdir -p /data/local/tmp/ndk-tests/x86_64/bbd9bd30-
bb18-4cc3-9a5f-afcf190ed05b/data
2016-05-21 05:00:39.033 UTC: > ## ADBRUNNER.51965 [emulator-5554] COPY: /Volumes/android/ndk/ou
t/tests/clang3.8/device/math/target+PIE/libs/x86_64/math_c -> /Users/crystax/.crystax/adbrunner/st
ripped/x86_64/math_c.6421b58244530251bdf1c2c0eea1114fdbd0af3e8cb04bab625bb1e7bd7d32b8
2016-05-21 05:00:39.033 UTC: > ## ADBRUNNER.51965 [emulator-5554] STRIP: /Users/crystax/.crysta
x/adbrunner/stripped/x86_64/math_c.6421b58244530251bdf1c2c0eea1114fdbd0af3e8cb04bab625bb1e7bd7d32b
8
2016-05-21 05:00:39.041 UTC: > ## ADBRUNNER.51965 [emulator-5554] PUSH: /Users/crystax/.crystax
/adbrunner/stripped/x86_64/math_c.6421b58244530251bdf1c2c0eea1114fdbd0af3e8cb04bab625bb1e7bd7d32b8
-> /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26b471eb
180bf2ae2ec7918
2016-05-21 05:00:39.064 UTC: > ## ADBRUNNER.51965 [emulator-5554] 1254 KB/s (18152 bytes in 0.0
14s)
2016-05-21 05:00:39.065 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN: chmod 0755 /data/local/
tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26b471eb180bf2ae2ec7918
2016-05-21 05:00:39.094 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN: grep -q -x 728f75643eba
613b51374837affc3596cc33f58c14341d4d61b385772d3e9740 /data/local/tmp/ndk-tests/x86_64/lib/libcryst
ax.so.sha256 2>/dev/null
2016-05-21 05:00:39.131 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN: grep -q -x b6235cd3a1a5
5c6b785c6de0e806bbf65eca81921453ef6de9a22a6f1350ffb8 /data/local/tmp/ndk-tests/x86_64/lib/libgnust
l_shared.so.sha256 2>/dev/null
2016-05-21 05:00:39.153 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN: log LOGCAT-TAG-4210e47a
173e4625b668e0eb9fd47726 && cd /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed0
5b/data && LD_LIBRARY_PATH=/data/local/tmp/ndk-tests/x86_64/lib TMPDIR=/data/local/tmp/ndk-tests/x
86_64/tmp /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26
b471eb180bf2ae2ec7918
2016-05-21 05:00:39.301 UTC: > ## ADBRUNNER.51965 [emulator-5554] > Segmentation fault
2016-05-21 05:00:39.302 UTC: > ## ADBRUNNER.51965 [emulator-5554] RUN [ $?=139]: log LOGCAT-TAG-
4210e47a173e4625b668e0eb9fd47726 && cd /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-af
cf190ed05b/data && LD_LIBRARY_PATH=/data/local/tmp/ndk-tests/x86_64/lib TMPDIR=/data/local/tmp/ndk
-tests/x86_64/tmp /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe024
98fa3e26b471eb180bf2ae2ec7918
2016-05-21 05:00:39.302 UTC: > ## ADBRUNNER.51965 [emulator-5554] *
2016-05-21 05:00:39.303 UTC: > ## ADBRUNNER.51965 [emulator-5554] *
2016-05-21 05:00:39.303 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === BEGIN OF ENVIRONMENT
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2016-05-21 05:00:39.303 UTC: > ## ADBRUNNER.51965 [emulator-5554] * CMD: /Volumes/android/ndk/out/tests/clang3.8/device/math/target+PIE/libs/x86_64/math_c
2016-05-21 05:00:39.304 UTC: > ## ADBRUNNER.51965 [emulator-5554] * PWD: /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin
2016-05-21 05:00:39.304 UTC: > ## ADBRUNNER.51965 [emulator-5554] * NDK: /Volumes/android/ndk/platform/ndk - CrystaX NDK develop
2016-05-21 05:00:39.304 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === END OF ENVIRONMENT ===
2016-05-21 05:00:39.951 UTC: > ## ADBRUNNER.51965 [emulator-5554] *
2016-05-21 05:00:39.951 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === BEGIN OF LOGCAT ===
2016-05-21 05:00:39.957 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:38.913 6124 6124 F libc : Fatal signal 11 (SIGSEGV), code 128, fault addr 0x0 in tid 6124 (exe02498fa3e26b)
2016-05-21 05:00:39.957 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.017 1134 1134 I DEBUG : *** ***)
2016-05-21 05:00:39.957 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.017 1134 1134 I DEBUG : Build fingerprint: 'generic_x86_64/sdk_phone_x86_64/generic_x86_64:5.0.2/LSY66K/2781484:eng/test-keys'
2016-05-21 05:00:39.957 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.017 1134 1134 I DEBUG : Revision: '0'
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.017 1134 1134 I DEBUG : ABI: 'x86_64'
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.018 1134 1134 I DEBUG : pid: 6124, tid: 6124, name: exe02498fa3e26b >>> /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26b471eb180bf2ae2ec7918 <<<
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.018 1134 1134 I DEBUG : signal 11 (SIGSEGV), code 128 (SI_KERNEL), fault addr 0x0
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : rax c000000000000000 rbx 00007f165d0a2010 rcx 0000000000000000 rdx 0000203636383738
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : rsi 000101b1b1c1b9c1 rdi 0000000000000000
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : r8 038b934ba3337b98 r9 2030203636383738 r10 00000000ffffdfd0 r11 0000000000000000
2016-05-21 05:00:39.958 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : r12 0000000000000001 r13 00007f165d09d960 r14 0000000000000000 r15 0000000000000000
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : cs 0000000000000033 ss 000000000000002b
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.019 1134 1134 I DEBUG : rip 00007f165cdb6b34 rbp 00007ffffb9eff960 rsp 00007ffffb9eff8f0 eflags 00000000010246
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.020 1134 1134 I DEBUG :
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.020 1134 1134 I DEBUG : backtrace:
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.020 1134 1134 I DEBUG : #00 pc 000000000003ab34 /data/local/tmp/ndk-tests/x86_64/lib/libcrystax.so (sincos1+36)
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.020 1134 1134 I DEBUG : #01 pc 00000000000099e /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26b471eb180bf2ae2ec7918
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.020 1134 1134 I DEBUG : #02 pc 00000000012a04c /data/local/tmp/ndk-tests/x86_64/lib/libcrystax.so (__libc_init+92)
2016-05-21 05:00:39.959 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.021 1134 1134 I DEBUG : #03 pc 000000000000933 /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin/exe02498fa3e26b471eb180bf2ae2ec7918
2016-05-21 05:00:39.960 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.021 1134 1134 I DEBUG : #04 pc 0000000000000000 <unknown>
2016-05-21 05:00:39.960 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.022 1498 1855 W NativeCrashListener: Couldn't find ProcessRecord for pid 6124
2016-05-21 05:00:39.960 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.039 1134 1134 I DEBUG :
2016-05-21 05:00:39.960 UTC: > ## ADBRUNNER.51965 [emulator-5554] * 05-21 08:00:39.039 1134 1134 I DEBUG : Tombstone written to: /data/tombstones/tombstone_02

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2016-05-21 05:00:39.960 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === END OF LOGCAT ===
2016-05-21 05:00:40.041 UTC: > ## ADBRUNNER.51965 [emulator-5554] *
2016-05-21 05:00:40.042 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === BEGIN OF NDK-STACK =
==
2016-05-21 05:00:40.045 UTC: > ## ADBRUNNER.51965 [emulator-5554] * ***** Crash dump: *
*****
2016-05-21 05:00:40.045 UTC: > ## ADBRUNNER.51965 [emulator-5554] * Build fingerprint: 'gene
ric_x86_64/sdk_phone_x86_64/generic_x86_64:5.0.2/LSY66K/2781484:eng/test-keys'
2016-05-21 05:00:40.045 UTC: > ## ADBRUNNER.51965 [emulator-5554] * pid: 6124, tid: 6124, na
me: exe02498fa3e26b >>> /data/local/tmp/ndk-tests/x86_64/bbd9bd30-bb18-4cc3-9a5f-afcf190ed05b/bin
/exe02498fa3e26b471eb180bf2ae2ec7918 <<<
2016-05-21 05:00:40.045 UTC: > ## ADBRUNNER.51965 [emulator-5554] * signal 11 (SIGSEGV), cod
e 128 (SI_KERNEL), fault addr 0x0
2016-05-21 05:00:40.045 UTC: > ## ADBRUNNER.51965 [emulator-5554] * ndk-stack: /Users/crysta
x/.crystax/adbrunner/symbols/math_c-493433d4-0205-4131-a9b9-4892848aa0ae/libcrystax.so: File forma
t not recognized
2016-05-21 05:00:40.046 UTC: > ## ADBRUNNER.51965 [emulator-5554] * Stack frame #00 pc 00000
0000003ab34 /data/local/tmp/ndk-tests/x86_64/lib/libcrystax.so (sincosl+36): Routine
2016-05-21 05:00:40.046 UTC: > ## ADBRUNNER.51965 [emulator-5554] * === END OF NDK-STACK ===
2016-05-21 05:00:40.049 UTC: > ## ADBRUNNER.51965 [emulator-5554] ## COMMAND: /opt/android/andr
oid-sdk-mac/platform-tools/adb -s emulator-5554 shell rm -r /data/local/tmp/ndk-tests/x86_64/bbd9b
d30-bb18-4cc3-9a5f-afcf190ed05b
2016-05-21 05:00:40.069 UTC: > ## ADBRUNNER.51965 [emulator-5554] EXIT: 139 (took 0:00:01 on 'e
mulator-5554')
2016-05-21 05:00:40.069 UTC: ---> FAILURE: TARGET TEST [math] "math_c": $?=139

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## History

### #1 - 06/20/2015 12:10 AM - Dmitry Moskalchuk

- Target version set to 10.3.0

### #2 - 10/13/2015 04:55 PM - Dmitry Moskalchuk

- Target version changed from 10.3.0 to 11.0.0

### #3 - 05/21/2016 08:04 AM - Dmitry Moskalchuk

- Description updated

- CrystaX Version set to 10.3.1

- Toolchain clang-3.6, clang-3.7, clang-3.8 added