

In the meantime, I've also had users report the same type of crash (segfault) on a different JNI call, here: https://github.com/strato-emu/strato/blob/b0207ab6456499448e8b9cb552410864but I'm still trying to collect more data about it.
en@google.com <en@google.com><u>#4</u></en@google.com>
you want a stack trace to see where you are? on new enough versions of Android, <execinfo.h> is your friend there: https://cs.android.com/android/platform/superproject/+/master:bionic/lib</execinfo.h>
ni@gmail.com <ni@gmail.com><u>#5</u></ni@gmail.com>
After further testing, I have confirmed the thread_list.cc:1314] Check failed assertion fail to be unrelated to the issue I'm experiencing. It was happening after the segfault, because of signal handler as part of a destructor call of a thread-local object.
I'm still at a loss, with no idea how to approach the issue since pausing the execution in the debugger right before entering JNI code seems to fix the issue most of the time. I'm trying to get running open-source homebrews.
hb@google.com <hb@google.com>_#6</hb@google.com>
I don't think we can help without a lot more information. A DetachCurrentThread() call from inside a signal handler is certainly bad news. So is, at least officially, any access to a thread_local
ni@gmail.com <ni@gmail.com><u>#7</u></ni@gmail.com>
Final update: it turns out it was our fault. Because of the way we run games we are hooking and calling libe's sigaction directly to set a signal handler for SIGSEGV from the game before pointer would be intact when the signal handler is called.  We had no issue with this until recently, when the Android runtime was probably updated to rely on catching signals for some of its internal operations.
I've added a fallback to the old signal handler if the fault address was outside of the emulator's memory, and stuff seems to work correctly.
Thank you for your time.
hb@google.com <hb@google.com>_#8</hb@google.com>
Status: Won't Fix (Intended Behavior)
Thanks for letting us know. I'll go ahead and close this.