

Android debugging notes:

When I got to the step that says: "Open a terminal, go to your build/android/LoomAndroidDemo folder and run ndk-gdb (this will create app_process and other needed files in later step)"

Because I already had my Android device plugged in, GDB didn't know who to connect to. We might want to change that step to explicitly target the emulator, with the -e command line option.

Once I did that, I got the following long error message (but it started GDB):

```
lappy-i7:LoomAndroidDemo clint$ ndk-gdb -e
GNU gdb 6.6
Copyright (C) 2006 Free Software Foundation, Inc.
GDB is free software, covered by the GNU General Public License, and you are
welcome to change it and/or distribute copies of it under certain conditions.
Type "show copying" to see the conditions.
There is absolutely no warranty for GDB. Type "show warranty" for details.
This GDB was configured as "--host=i686-apple-darwin --target=arm-elf-linux".
(no debugging symbols found)
Error while mapping shared library sections:
/system/bin/linker: No such file or directory.
Error while mapping shared library sections:
libstdc++.so: No such file or directory.
Error while mapping shared library sections:
libm.so: No such file or directory.
Error while mapping shared library sections:
liblog.so: No such file or directory.
Error while mapping shared library sections:
libcutils.so: No such file or directory.
Error while mapping shared library sections:
libz.so: No such file or directory.
Error while mapping shared library sections:
libutils.so: No such file or directory.
Error while mapping shared library sections:
libbinder.so: No such file or directory.
Error while mapping shared library sections:
libexpat.so: No such file or directory.
Error while mapping shared library sections:
libcrypto.so: No such file or directory.
Error while mapping shared library sections:
libgabi++.so: No such file or directory.
Error while mapping shared library sections:
libcubic.so: No such file or directory.
Error while mapping shared library sections:
libcui18n.so: No such file or directory.
Error while mapping shared library sections:
libssl.so: No such file or directory.
Error while mapping shared library sections:
libstlport.so: No such file or directory.
Error while mapping shared library sections:
libnativehelper.so: No such file or directory.
Error while mapping shared library sections:
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libnetutils.so: No such file or directory.
Error while mapping shared library sections:
libGLSv2_dbg.so: No such file or directory.
Error while mapping shared library sections:
libEGL.so: No such file or directory.
Error while mapping shared library sections:
libwpa_client.so: No such file or directory.
Error while mapping shared library sections:
libhardware_legacy.so: No such file or directory.
Error while mapping shared library sections:
libpixelflinger.so: No such file or directory.
Error while mapping shared library sections:
libhardware.so: No such file or directory.
Error while mapping shared library sections:
libemoji.so: No such file or directory.
Error while mapping shared library sections:
libjpeg.so: No such file or directory.
Error while mapping shared library sections:
libskia.so: No such file or directory.
Error while mapping shared library sections:
libui.so: No such file or directory.
Error while mapping shared library sections:
libGLSv2.so: No such file or directory.
Error while mapping shared library sections:
libgui.so: No such file or directory.
Error while mapping shared library sections:
libcamera_client.so: No such file or directory.
Error while mapping shared library sections:
libsqlite.so: No such file or directory.
Error while mapping shared library sections:
libdvm.so: No such file or directory.
Error while mapping shared library sections:
libGLSv1_CM.so: No such file or directory.
Error while mapping shared library sections:
libETC1.so: No such file or directory.
Error while mapping shared library sections:
libsonivox.so: No such file or directory.
Error while mapping shared library sections:
libstagefright_foundation.so: No such file or directory.
Error while mapping shared library sections:
libmedia.so: No such file or directory.
Error while mapping shared library sections:
libnfc_ndef.so: No such file or directory.
Error while mapping shared library sections:
libusbhost.so: No such file or directory.
Error while mapping shared library sections:
libharfbuzz.so: No such file or directory.
Error while mapping shared library sections:
libhwui.so: No such file or directory.
Error while mapping shared library sections:
libandroid_runtime.so: No such file or directory.
Error while mapping shared library sections:
libvorbisidec.so: No such file or directory.
Error while mapping shared library sections:

libstagefright_yuv.so: No such file or directory.
Error while mapping shared library sections:
libdrmframework.so: No such file or directory.
Error while mapping shared library sections:
libchromium_net.so: No such file or directory.
Error while mapping shared library sections:
libstagefright_amrnb_common.so: No such file or directory.
Error while mapping shared library sections:
libstagefright_enc_common.so: No such file or directory.
Error while mapping shared library sections:
libstagefright_avc_common.so: No such file or directory.
Error while mapping shared library sections:
libstagefright.so: No such file or directory.
Error while mapping shared library sections:
libmtp.so: No such file or directory.
Error while mapping shared library sections:
libexif.so: No such file or directory.
Error while mapping shared library sections:
libmedia_jni.so: No such file or directory.
Error while mapping shared library sections:
libbcc.so: No such file or directory.
Error while mapping shared library sections:
libbccinfo.so: No such file or directory.
Error while mapping shared library sections:
libRS.so: No such file or directory.
Error while mapping shared library sections:
librs_jni.so: No such file or directory.
Error while mapping shared library sections:
libandroid.so: No such file or directory.
Error while mapping shared library sections:
libwebcore.so: No such file or directory.
(no debugging symbols found)
warning: Unable to find dynamic linker breakpoint function.
GDB will be unable to debug shared library initializers
and track explicitly loaded dynamic code.
warning: shared library handler failed to enable breakpoint
0x400115cc in __futex_syscall3 ()
from /Users/clint/Development/github/EngineCo/build/android/LoomAndroidDemo/obj/local/
armeabi/libc.so
(gdb)