1. Operating System: Ubuntu 14.04
2. Github Repo: https://github.com/cnsgcu/Droidfluid/tree/master/app/src/main
3. Android Studio 1.4 http://developer.android.com/sdk/index.html
4. Android SDK 23.0 Comes with Android Studio
5. Android Build tools 23.0.2
6. Android NDK http://dl.google.com/android/ndk/android-ndk-r10e-linux-x86_64.bin
7. External library
   a. pcap (Android version): https://github.com/android/platform_external_libpcap
8. update the following files in your project (Assuming your NDK, SDK and libpcap in the following locations of user1)
   a. local.properties file
   sdk.dir=/home/user1/Android/Sdk
   ndk.dir=/home/user1/Android/Ndk
   b. build.gradle
   def ndkBuild   = '/home/user1/Android/Ndk/ndk-build'
   def libpcapDir = '/home/user1/Android/Ndk/external/libpcap/'
9. Pre-complie libfulid follow the steps
   Open a terminal:
   1. sudo   apt-get update
   2. sudo   apt-get install autoconf libtool build-essential pkg-config libevent-dev libssl-dev git –y
   3. git clone   https://github.com/OpenNetworkingFoundation/libfluid.git
   4. cd libfluid
   5. ./bootstrap.sh
   6. cd   libfluid_base
   7. ./configure   –prefix=/usr
   8. make
   9. sudo make   install
   10. cd ..
   11. cd   libfluid_msg
   12. ./configure   –prefix=/usr
   13. make
   14. sudo make   install
   15. cd ..
   16. cp -R   libfluid_base examples/android/jni
   17. cp -R   libfluid_msg examples/android/jni
   18. cd
   19. wget   http://dl.google.com/android/ndk/android-ndk-r10e-linux-x86_64.bin
   20. tar xjvf   android-ndk-r10e-linux-x86_64.tar.bz2
   21. mv   android-ndk-r10e ndk
   22. cd   libfluid/examples/android/jni/
   23. curl -LO   https://github.com/downloads/libevent/libevent/libevent-2.0.21-stable.tar.gz
   24. tar xzvf   libevent-2.0.21-stable.tar.gz
   25. mv   libevent-2.0.21-stable libevent
   26. nano   build_libs.sh ->> set NDK-ROOT variable to ~/ndk
   27. Make sure you have "arm-linux-androideabi-4.8" toolchain in build_libs.sh
   28. if you see a different one, change the name to arm-linux-androideabi-4.8
   PATH=$PATH:$NDK_ROOT/toolchains/arm-linux-androideabi-4.8/prebuilt/linux-x86/bin
   PATH=$PATH:$NDK_ROOT/toolchains/arm-linux-androideabi-4.8/prebuilt/linux-x86/include
   29. Finally: ./build_libs

30. Copy libevent, libfluid_msg and libfluid_base to the project Droidfluid/app/src/main/prebuilt