

Environment Configurations/Install Instructions **Android**

To compile open “**prebuilt/android/card.io-Android-source/**” with [Android Studio](#)

OR

Manual Setup:

Required Hardware:

- Android Phone or Android Tablet running v6.0.1 (Marshmallow) or later.

Required Software:

- Android Studio 2.1.2 or later

Required Dependencies:

- Card.io Android Core Source: <https://github.com/card-io/card.io-Android-source>
- Card.io Android DMZ Source: <https://github.com/card-io/card.io-dmz>
- OCRE Source (branch dev)

Setup:

1. Create a folder “**env**” in the directory of your choosing.
 2. “cd” into “**env**”
 3. Run “**sudo git clone** <https://github.com/card-io/card.io-Android-source.git>”
 4. “cd” into the “**card.io-Android-source**”
 5. Run “**sudo vim .git/config**”
 6. Add to the bottom of the file:
[submodule “dmz”]
url = <https://github.com/card-io/card.io-dmz.git>
- “**Esc + :wq**” to save
7. Run “**sudo git submodule update --init --recursive**”
 8. Download the OCRE repo into “**env/**”
 9. “cd” to “**env/**”
 10. Run “**sudo chmod -R 777 ***”
 11. Copy the files from “**dmz-src/scan/**” in OCRE to “**env/card.io-Android-source/card.io/src/main/jni/card.io-dmz/scan**” Note: overwrite
 12. Copy the file from “**dmz-src/scan/dmz_all.cpp**” in OCRE to “**env/card.io-Android-source/card.io/src/main/jni/card.io-dmz/**” Note: overwrite

13. Copy the libraries "**lib*.so**" from "**lib-src/android/tess-two-main/tess-two/libs**" to the corresponding architecture folders under "**card.io/src/main/libs**"
14. Copy the files/directories from "**lib-src/android/dependencies/include**" to "**card.io/src/main/jni**"
15. Copy the "**tessdata**" from OCRE to "**env/card.io-Android-source/card.io/src/main/assets**"
16. Copy the files/directory structure from "**android-src**" to "**env/card.io-Android-source**" overwriting the files.
17. Open "**card.io-Android-source**" in Android Studio
18. Set your NDK/SDK locations and Android Version.
19. Clean and rebuild