

FDA My Studies

(Mobile and Web Apps for Research Study Administration)

Android App Set Up Guidelines Document

Submitted By:

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Version 1.0

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Version History

No.	Version #	Description	Key Updates	Date	Type
1.	V1.0	Initial Document		01/19/2018	

1. Introduction:

This document explains how to setup FDA My Studies app, installation of the application on Android devices, the document also explains step by step description on how to distribute application Playstore.

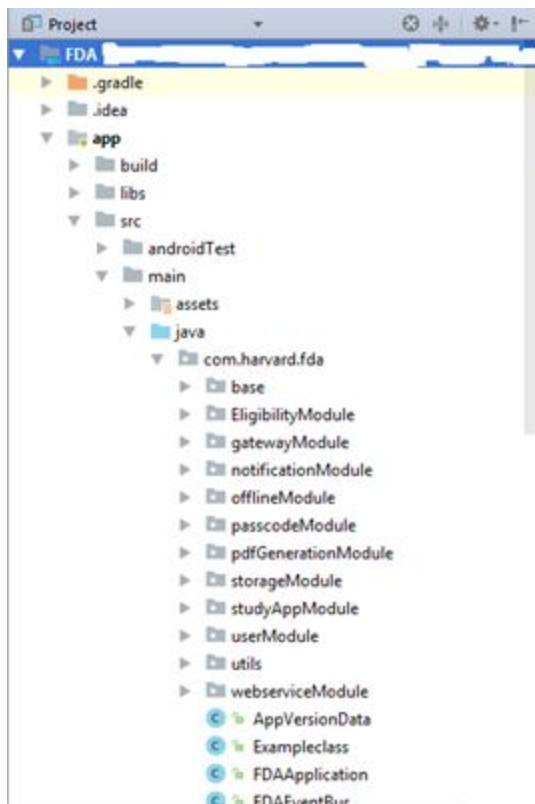
2. Requirement:

- **IDE Environment Setup**
Download Android Studio from following link and setup the environment.
<https://developer.android.com/studio/index.html>
- **Android**
Supported from Kitkat to Nougat.

3. Steps to pull code from Github:

- After setting up the IDE environment do integrate **GIT** version control system.
- Copy the FDA source code link from GIT.
- Open Android Studio and go to : **File > New > Project from version control > Git**. This will open a window and then copy the link to **Git Repository URL** field.
- Set the path to which Project has to clone in **Parent Directory** field.
- Give Directory name in **Directory Name** field.
- Click on **Clone** button which will download the source code and user can open the FDA source code in new window.

4. Steps to change Api urls:



Go to **utils** package from base package **com.harvard.fda** and open **Urls.java** file and change url.

Update the constant **BASE_URL_WCP_SERVER**, if WCP server url changes.

Update the constant **BASE_URL_REGISTRATION_SERVER**, if Registration server url changes.

Update the constant **BASE_URL_RESPONSE_SERVER**, if response server url changes.

5. Steps to install Android app:

App can be installed to device or emulator from Android Studio by clicking on the run button on menu bar (image1), which will open a window to choose between emulator and device (image2).



image1 (icon in red circle is the run button)

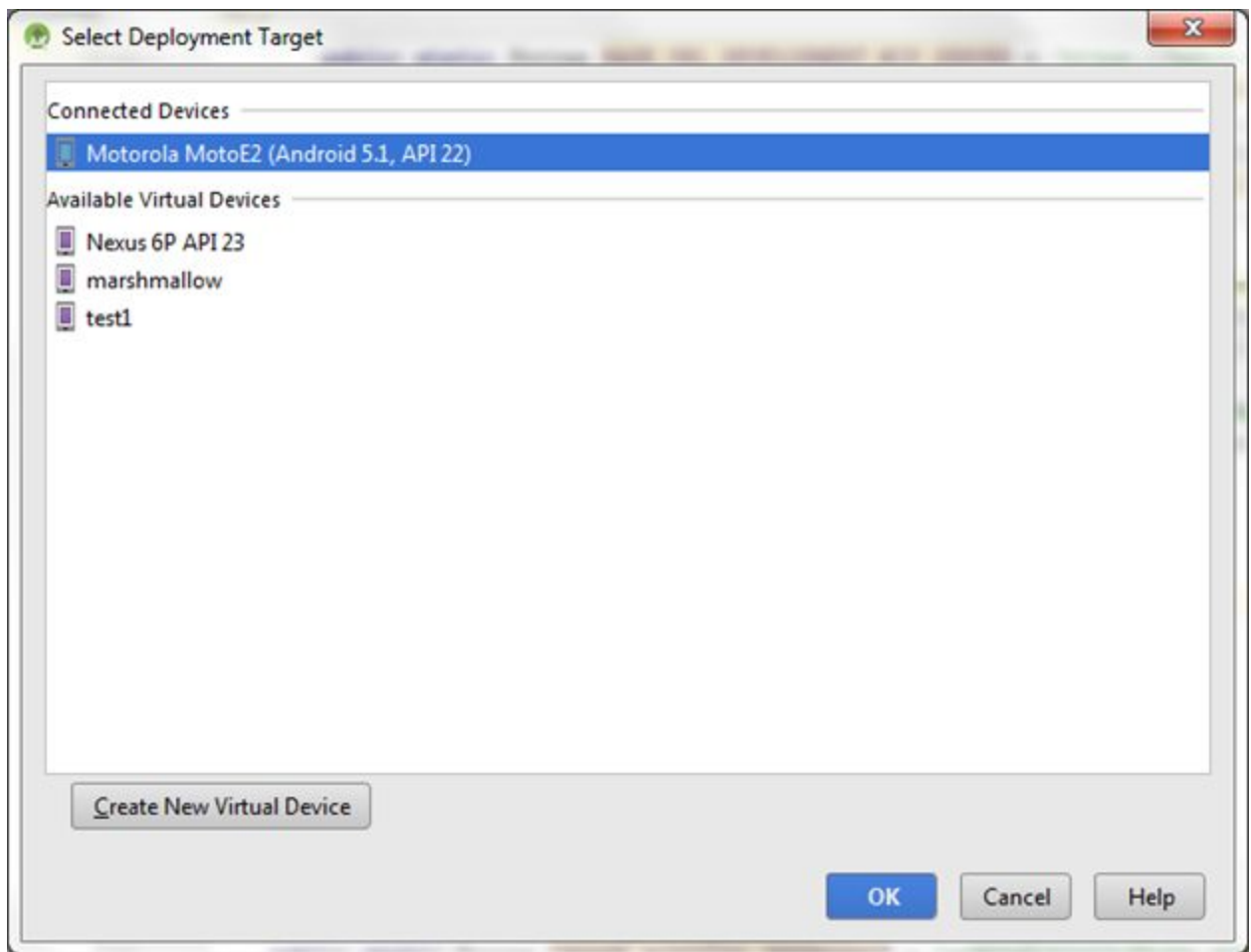
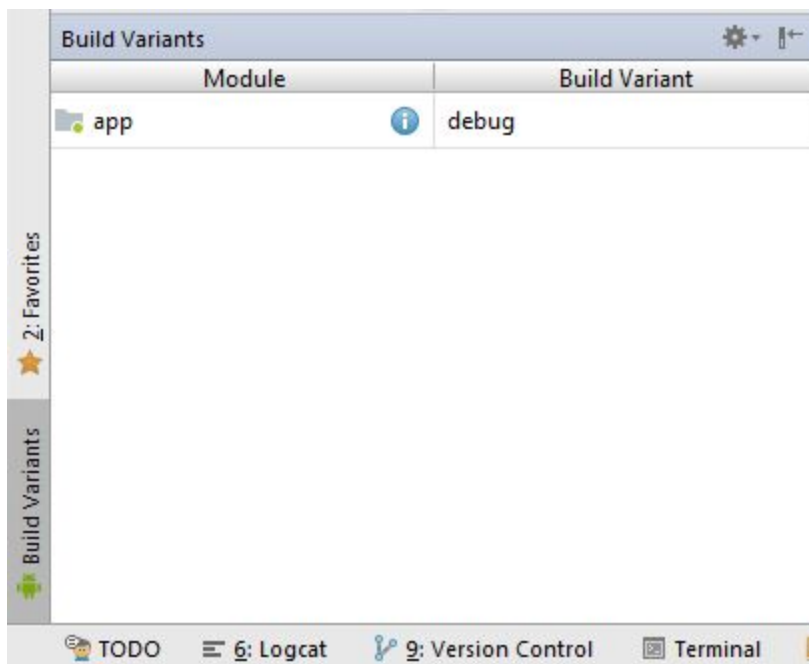


image2

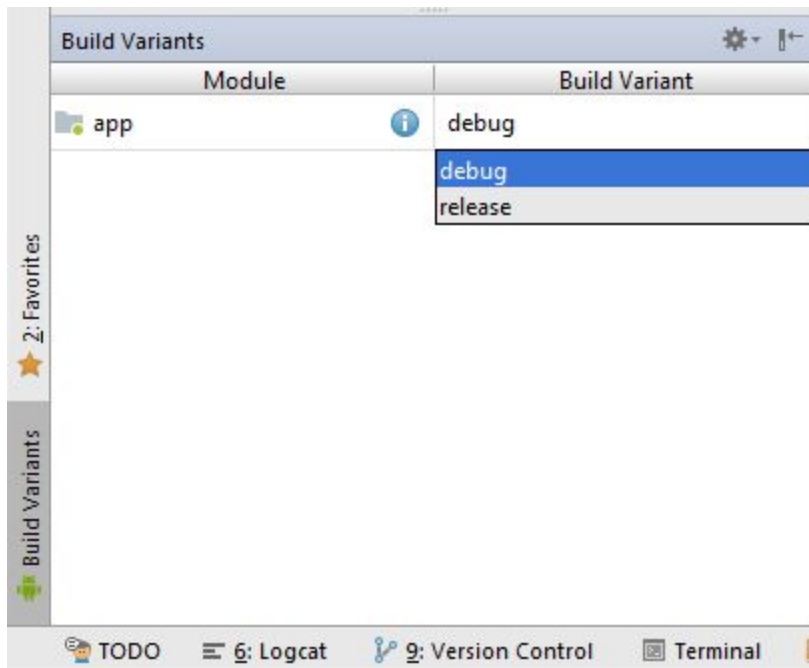
*In image2 connected devices are real devices and Available virtual devices are emulators.

6. Create Android build

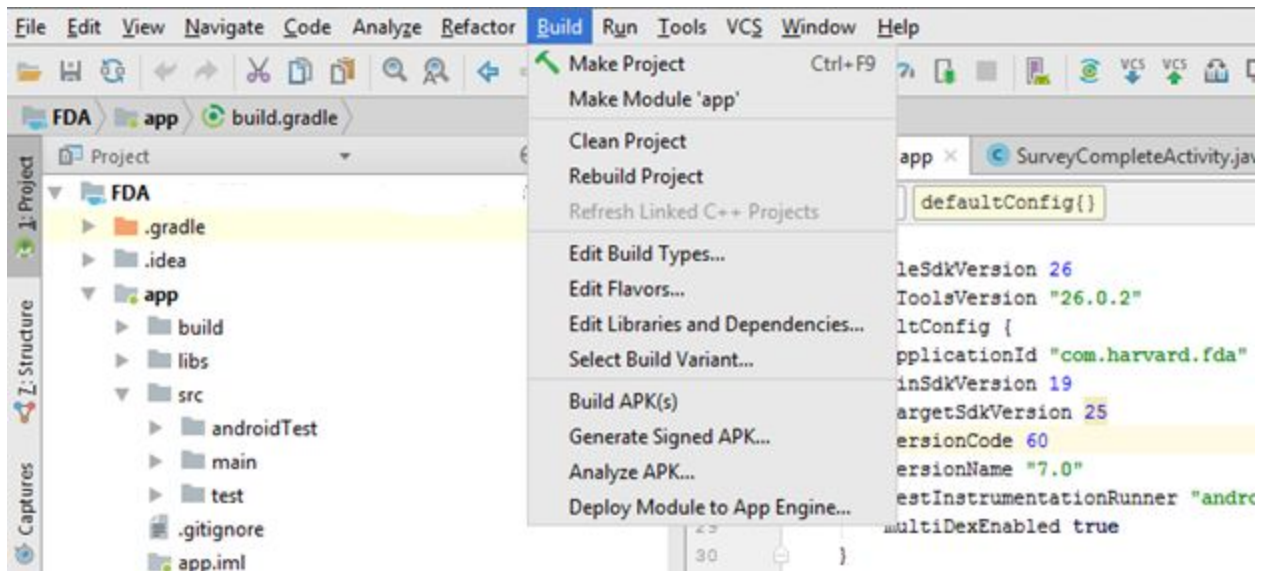
- First increment the **versionName** and **versionCode** in **build.gradle** file in app directory from project explorer.
- Click on **Build Variants** and in Android Studio and click on the area where **debug** text is displaying.



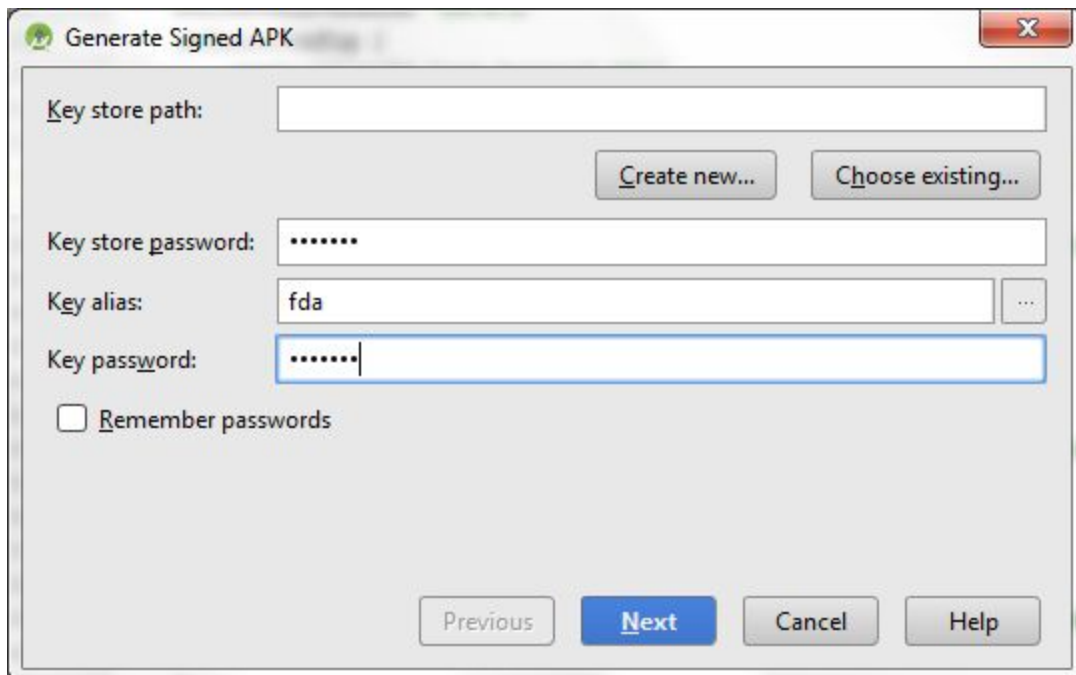
- Select **release** option from the list.



- Click on **Build** from menu bar and select **Generate Signed apk**.



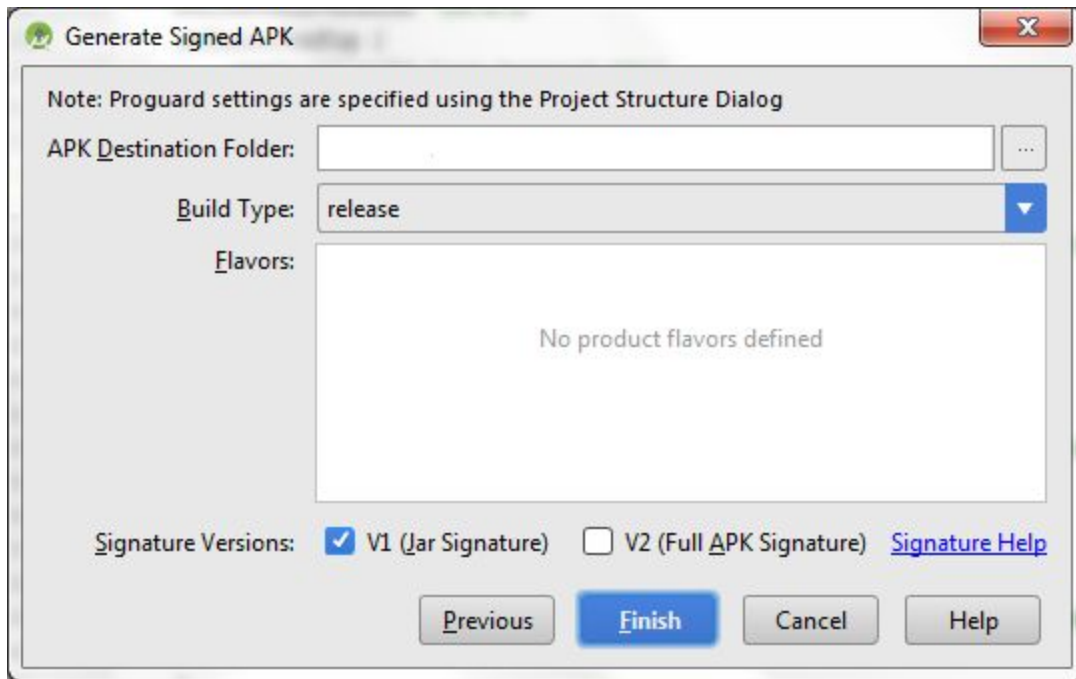
- Download the **keystore.jks** from the following link
<Keystore Location>
- In the new window opened enter the details about keystore



1. Key store path: Browse to the path of the downloaded keystore by clicking on **Choose existing** button.
2. Enter Key store password as **"welcome"**.

3. Key alias: fda
4. Enter Key password as “welcome”.
5. Click **Next** button.

- In the new window enter the details:



1. Enter the **APK Destination Folder** to which the build will be generated.
2. Select **release** as **Build Type**
3. Select the check box **V1(Jar Signature)**
4. Click on **Finish** button, which will generate the android build.

7. Share Android build









- Login to Google Play.
- Click on **FDA My Studies**

▲ App name	Active / Total installs ?	Avg. rating / Total #	Last update	Status
 FDA My Studies com.harvard.fda	66 / 149	★ 5.00 / 2	Dec 14, 2017	Published


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- From side menu click on **Release management** which will open a dropdown menu

← All applications

-  **Dashboard**
-  Statistics
-  Android vitals
-  Development tools
-  Release management
-  Store presence
-  User acquisition
-  User feedback


- From the dropdown menu click on **App Releases**


 Release management ^


- Release dashboard
- App releases
- Android Instant Apps
- Artifact library
- Device catalog
- App signing

- Click on **Manage Beta**


You have a release in production that hasn't been rolled out [EDIT RELEASE](#)


 **Release: 1.0**
Aug 16, 2017, 7:16 PM: Full rollout.


 Supported devices: **9238** Unsupported devices: **5697** Excluded devices: **0** [Manage devices](#)

 1 APK version code: **14**

Beta [MANAGE BETA](#)

 **Release: 1.0.3**
Dec 14, 2017, 2:25 PM: Full rollout.

 Supported devices: **9238** Unsupported devices: **5697** Excluded devices: **0** [Manage devices](#)

 1 APK version code: **20**

- Click on **Create Release** button.

Manage your app's APKs, review release history, and rollout your app to production, alpha, or beta. [Learn more](#)

← Beta [CREATE RELEASE](#)

Manage testers Closed Beta Testing ▼

- Browse apk file by clicking on **Browse Files** button.

← New release to beta

1 — 2
Prepare release Review and rollout

APKs to add [ADD APK FROM LIBRARY](#)


These APKs will be served in the Google Play Store after the rollout of this release.

Drop your APK file here, or select a file.

[BROWSE FILES](#)

- Click on **Review** button after entering release notes.

What's new in this release?

 Release notes translated in 0 languages

Enter the release notes for each language within the relevant tags or copy the template for offline editing. Release notes for each language should be within the 500 character limit.

<en-US>
Enter or paste your release notes for en-US here
</en-US>

COPY FROM PREVIOUS RELEASE

DISCARD

SAVED

REVIEW

- Then **start rollout** latest version of the app for beta users.