# Publishing Flutter App to Google Playstore

*steps:*

1.*Update App Manifest:*

 * Edit the Android:label in the application tag to reflect final name of the app.

 e.g. android:label="Facebook"

 * Add required app permissions.

 e.g. If your app needs internet access then
 `<uses-permission android:name="android.permission.INTERNET"/>`

2.*Generate Launcher Icons*:

 * dev_dependencies:

 flutter_test:
 sdk: flutter
 flutter_launcher_icons: ^0.7.5

 * flutter_icons:

 android: true
 image_path: "images/covid-19-icon.png"

 * $ flutter pub run flutter_launcher_icons:main
 Android minSdkVersion = 16
 Creating default icons Android
 Overwriting the default launcher icon with a new icon

3.*Get keytool path*:

 * flutter doctor -v command:

 keytool available at path "java binary at :"

4.*Create keystore command*:

 /home/siddharth/0_anuroop/flutter/android- studio/jre/bin/keytool
-genkey -v -keystore /home/siddharth/key.jks -storetype JKS -keyalg RSA
-keysize 2048 -validity 10000 -alias key1

5.*Reference the key store in the app*:
    * Create new file under android filder:
        &lt;app dir&gt;/android/key.properties  content:
            storePassword=iauro100
            keyPassword=iauro100
            keyAlias=key1
            storeFile=/home/siddharth/key.jks

6.*Configure gradle*:
    * Edit build.gradle (android/app/build.gradle)
      Add this code before android{} block :

```
def keystoreProperties = new Properties()
def keystorePropertiesFile = rootProject.file('key.properties')
if (keystorePropertiesFile.exists()) {
  keystoreProperties.load(new
  FileInputStream(keystorePropertiesFile))
}
```

    * Replace buildTypes block with:

```
signingConfigs {
 release {
   keyAlias keystoreProperties['keyAlias']
   keyPassword keystoreProperties['keyPassword']
   storeFile keystoreProperties['storeFile'] ?
     file(keystoreProperties['storeFile']) : null
     storePassword keystoreProperties['storePassword']
 }
}
buildTypes {
 release {
   signingConfig signingConfigs.release
 }
}
```

7.*Check version in pubspec.yaml*:
    version: 1.0.0+1

8. *Build App bundle* (app-release.aab):
    command :-  flutter build appbundle

9. *Test app bundle locally*:
    \* Download bundletool jar from
        https://github.com/google/bundletool/releases

    \* Generate apks for app using command:
        java -jar bundletool-all-1.0.0.jar build-apks
--bundle=photogram/build/app/outputs/bundle/release/app-release.aab
--output=photogram/build/app/outputs/apk/release/app-release.apks
--ks=/home/siddharth/key.jks
--ks-pass=pass:iauro100
--key-pass=pass:iauro100 --ks-key-alias=key1 --connected-device

| Param | Value |
| --- | --- |
| –bundle | Path to your app bundle |
| –output | Path to output apks files |
| –ks | Path to keystore file |
| –ks-pass=pass: | Keystore password |
| –key-pass=pass: | Password for signing key |

    \* Deploy the apks to connected device:
        java -jar bundletool-all-1.0.0.jar install-apks
--apks=photogram/build/app/outputs/apk/release/app-release.apks

# END