

# Android

## Building Requirements

To build an Android app:

- Windows/Linux/macOS
- [Google Play Developer Account](#)
- [Keytool](#)
- [Jarsigner](#)

## Download and Install JDK

If you don't already have JDK installed, download and install from the official [JDK downloads page](#).

## Generate Keystore

Generate a Keystore file (if you already don't have one).

Use the [keytool](#) provided by the JDK:

```
keytool -genkey -v -keystore my.keystore -keyalg RSA -keysize 2048 -validity 10000 -alias app
```

Make sure to save the generated Keystore file and its password somewhere safe. You'll need them again if you ever decide to republish the app.

## Sign

The last step is to sign the app with the previously generated Keystore. This is done using the [jarsigner](#) tool provided by JDK.

The Jarsigner tool can be found in:

- Linux and MacOS: /usr/bin/jarsigner
- Windows: jdk/bin/jarsigner.exe

Use it like this:

```
jarsigner -verbose -sigalg SHA1withRSA -digestalg SHA1 -keystore my.keystore app.aab app
```

The signed ABB can be verified with:

```
jarsigner -verify app.abb
```

## **Publish App to the Google Play Store**

[Submit the Android app](#) via the Play Store.