To manually sign your APK for release in Android Studio, follow these steps:

1. In the menu bar, click **Build** > **Generate Signed APK**.

2. Select the module you would like to release from the drop down, and click **Next**.

3. If you already have a keystore, go to step 5. If you want to create a new keystore, click **Create new**.

4. On the **New Key Store** window, provide the following information for your keystore and key, as shown in figure 1.

- **Key store path:** Select the location where your keystore should be created.

- **Password:** Create and confirm a secure password for your keystore.

Key

- **Alias:** Enter an identifying name for your key.

- **Password:** Create and confirm a secure password for your key. This should be different from the password you chose for your keystore

- **Validity (years):** Set the length of time in years that your key will be valid. Your key should be valid for at least 25 years, so you can sign app updates with the same key through the lifespan of your app.

- **Certificate:** Enter some information about yourself for your certificate. This information is not displayed in your app, but is included in your certificate as part of the APK.

Once you complete the form, click **OK**.

5. On the **Generate Signed APK Wizard** window, select a keystore, a private key, and enter the passwords for both. (If you created your keystore in the last step, these fields are already populated for you.) Then click **Next**.

6. On the next window, select a destination for the signed APK(s), select the build type, (if applicable) choose the product flavor(s), and click **Finish**.

Configure the build process to automatically sign your APK

1. 1. In the **Project** window, right click on your app and click **Open Module Settings**.

2. On the **Project Structure** window, under **Modules** in the left panel, click the module you would like to sign.

3. Click the **Signing** tab, then click **Add** .

4. Select your keystore file, enter a name for this signing configuration (as you may create more than one), and enter the required information.

5. Click the **Build Types** tab.

6. Click the **release** build.

7. Under **Signing Config**, select the signing configuration you just created.

8. Repeat to configure any additional product flavors.

9. Click **OK**.