



App Framework SDK Android

Manual

Version 1.0

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1. Introduction

The LuraTech App Framework SDK provides building blocks to write your own PDF Scan application for Android that turns your or your user's phone into a mobile scanner for all kinds of documents. The App Framework SDK uses LuraTech's award-winning MRC compression technology to create highly compressed documents.

LuraTech's layer-based mixed raster content technology (MRC) can compress scanned documents to a ratio of 1:100 or better. Outstanding image quality and text legibility are preserved, while storage costs and bandwidth requirements are drastically reduced.

The App Framework SDK provides support for the following tasks:

- Control camera focus and take pictures automatically when the camera is focused on a document.
- Detection of page edges provides for automatic cropping and scaling of pages.
- Brightness, contrast and color balance are adjusted automatically for optimal readability.
- Create PDF files fully compliant with PDF/A-2u (ISO 19005-2), the file format recommended for long-term archiving.
- Store all images taken as PDF files and optionally also as series of JPEG images.
- Pages can be rotated and re-ordered before converting them to a PDF file.
- Edit PDF files, e.g. move, add, remove pages, after they have been created. This is currently only supported for PDF files created with the SDK

2. Package contents

The package you downloaded has the following content:

- `aar/`
Binary distribution of the Android Library Project containing the App Framework SDK.
- `javadoc/`
API documentation in HTML format generated using Javadoc Tool. (Please use `index.html` to open)
- `demo/`
Contains a simple scan application showing how to use the camera to create documents.

3. Demo Application

The accompanying source code of the demo application shows how the App Framework SDK can be used to create scan apps. Before you can run the demo application you need to enter your serial information into the demo's source code.

To do this, open ***BrowserAddDocumentActivity.java*** and locate the ***initializeSdk*** method. Enter your license code into the variables ***framework1***, ***framework2***, ***compression1*** and ***compression2***.

4. Setup for use in your own app

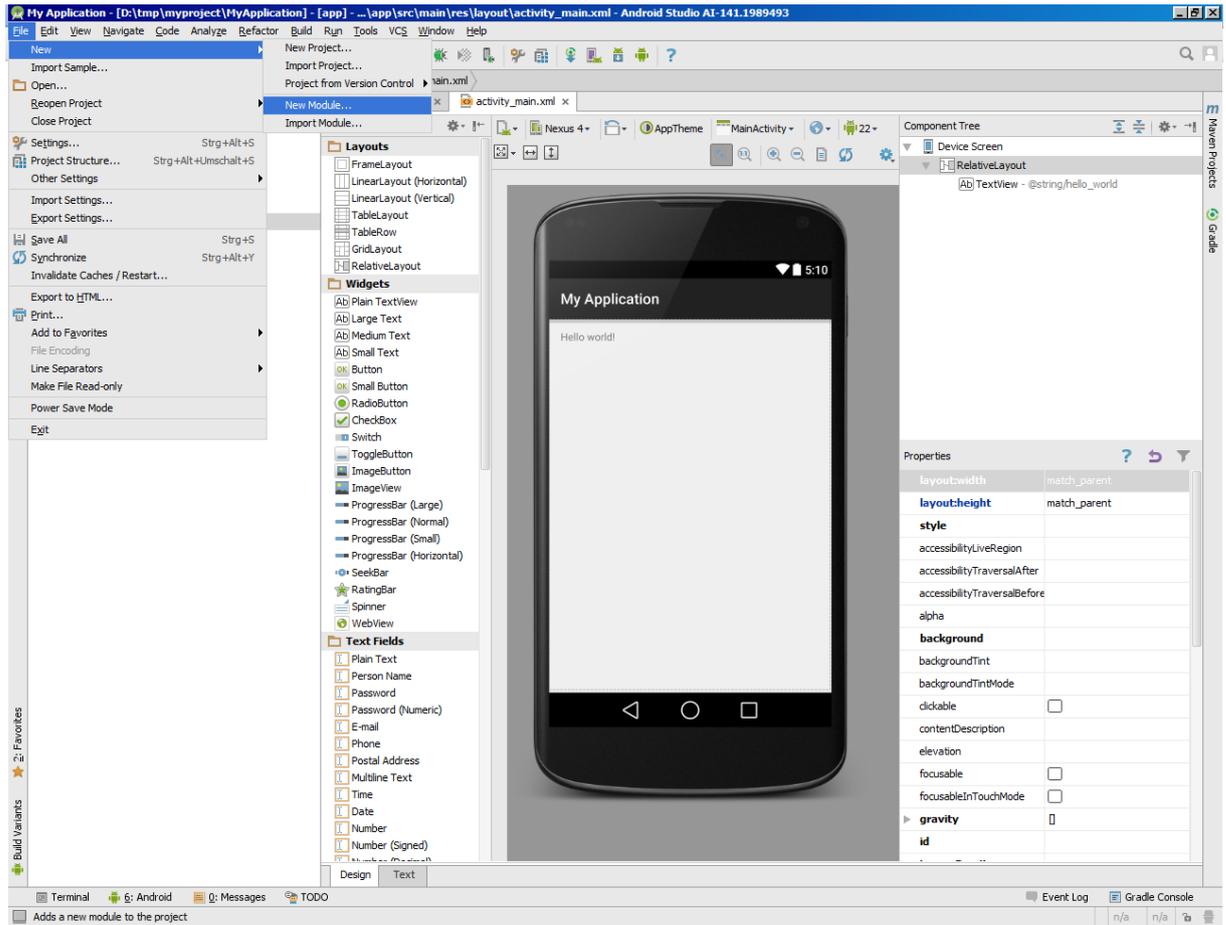
Please Note: We strongly recommend you to use the Official Android IDE (Android Studio). Other IDEs may or may not work and are not officially supported.

To add the App Framework SDK to your own application you need to add

- AAR File from the distribution directory aar of the App Framework SDK suitable for your processor architecture. The 'aar' bundle is the binary distribution of an Android Library Project. We currently ship for processor architectures Intel (x86) and ARM (armeabi-v7a)

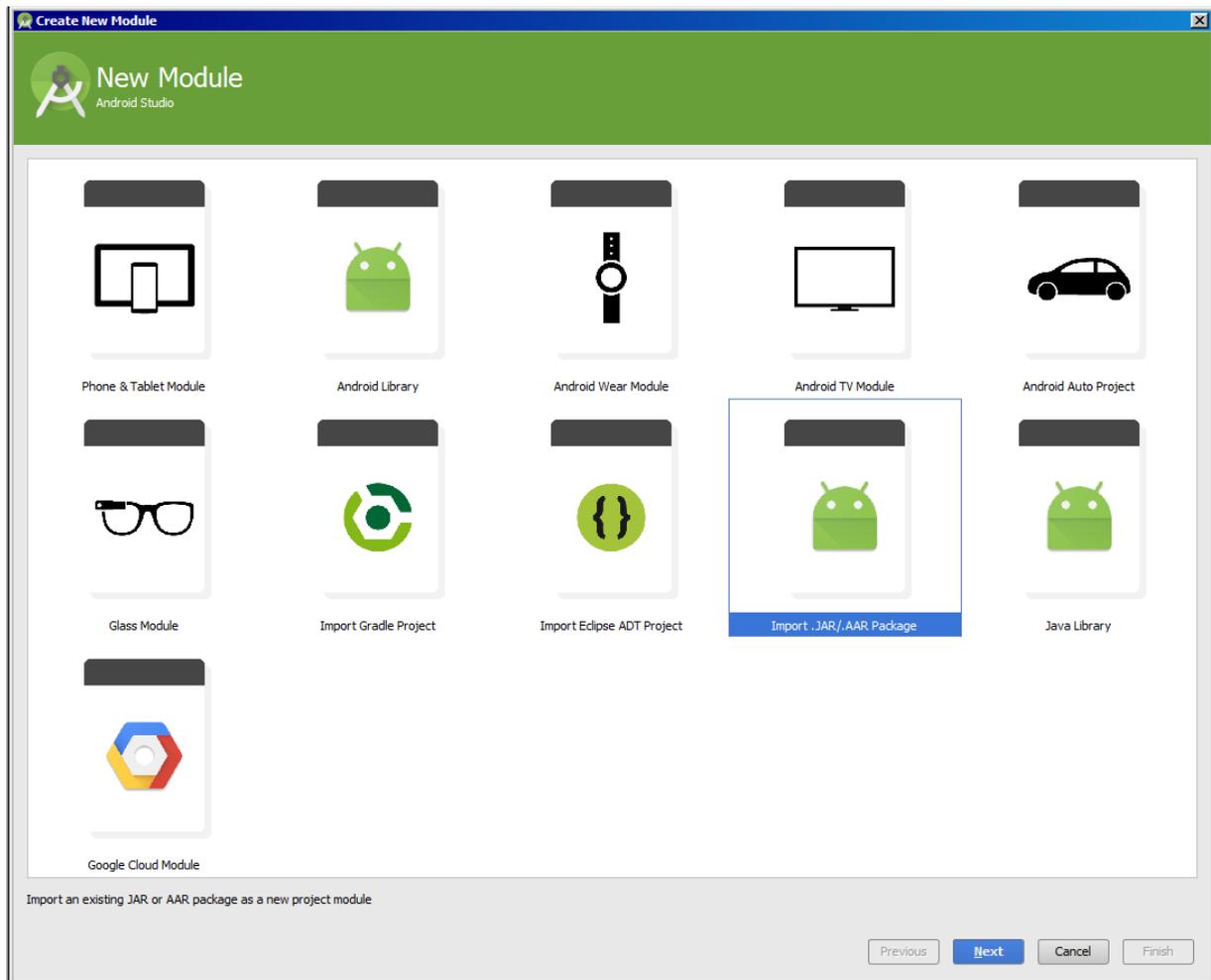
The following screenshots show you how to use Android Framework SDK in your app.

The precondition is, that you have already created a project in Android Studio for your own app.

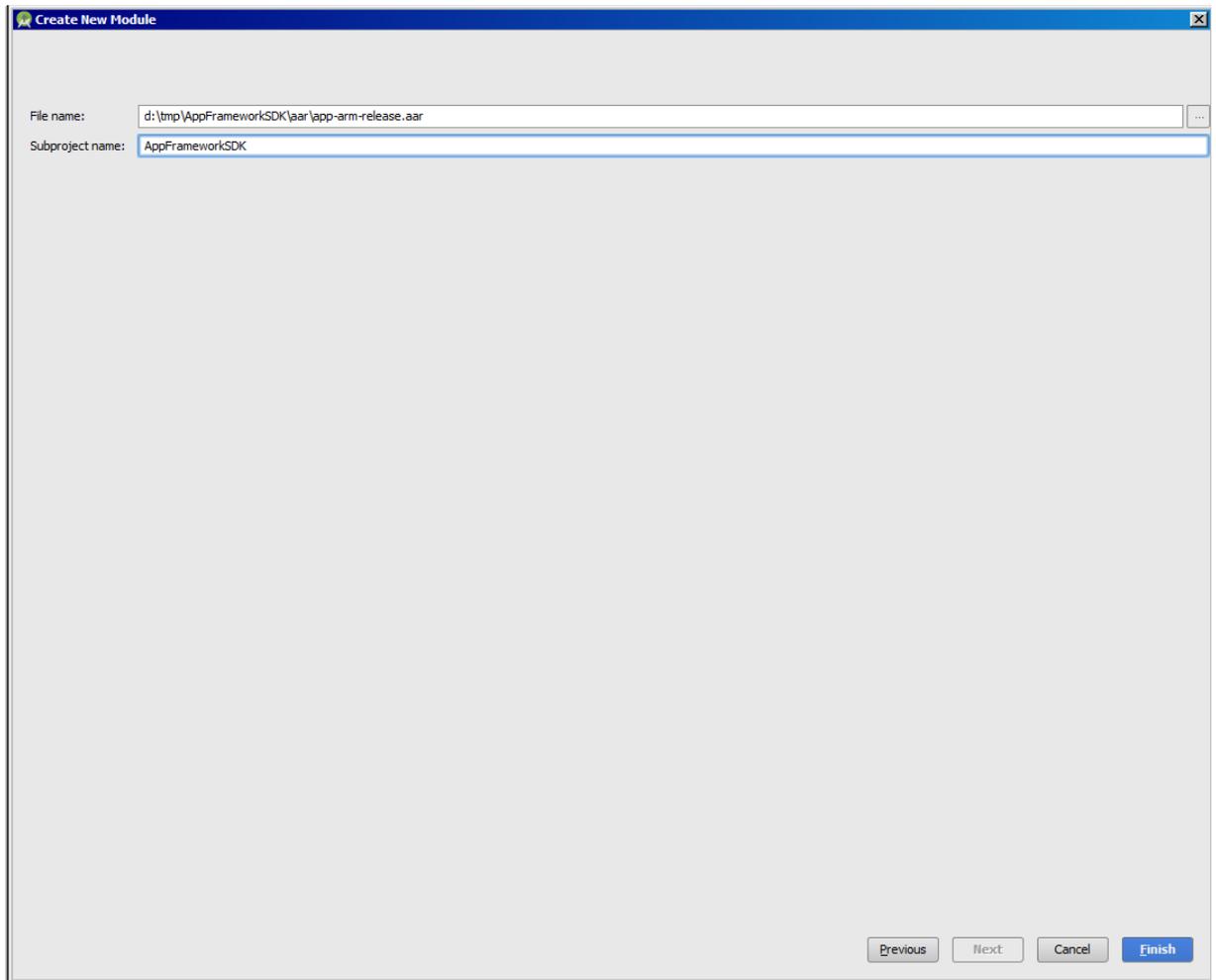


This screenshot shows as an example a newly created Android Project becoming your own Scan app. To make use of Android Framework SDK do the following:

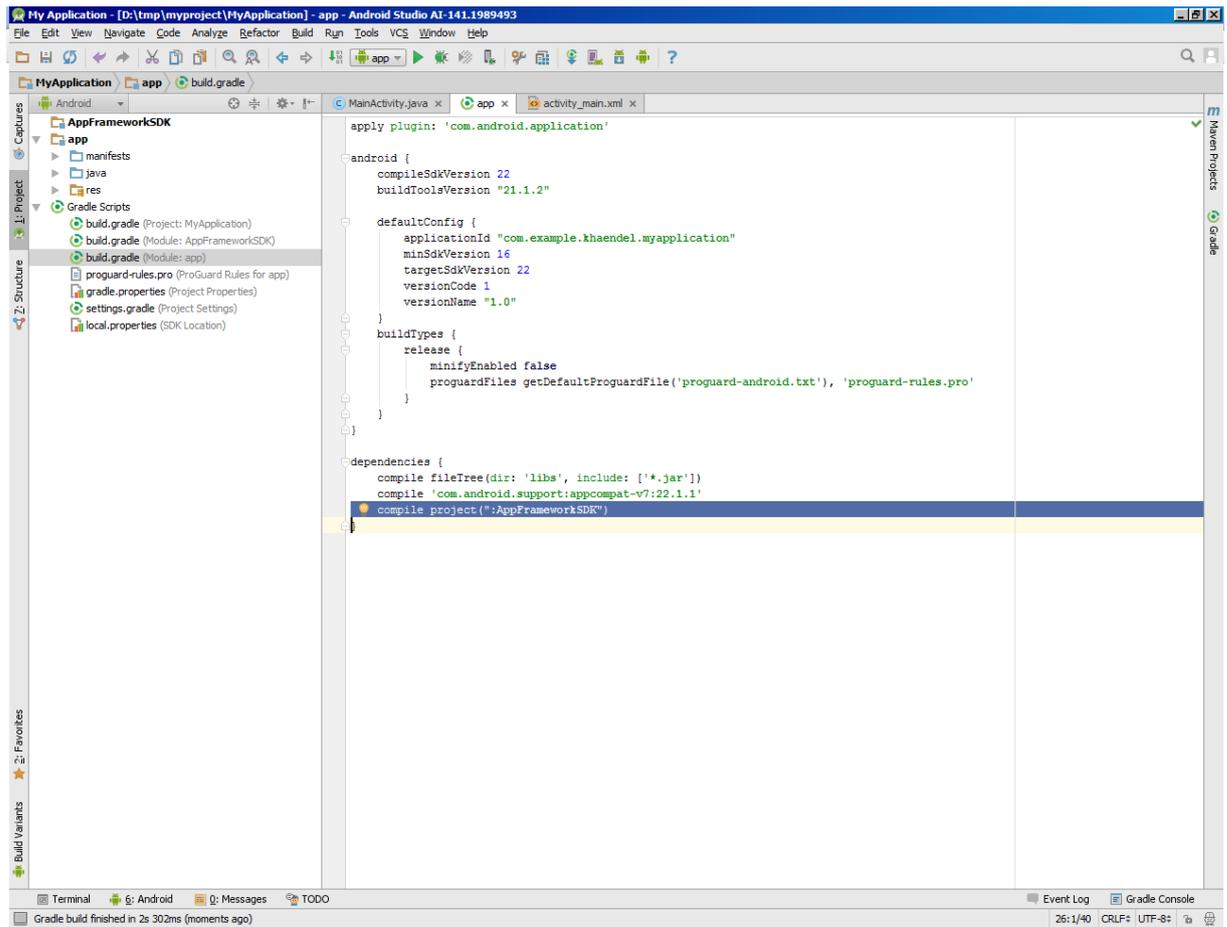
Open the menu and choose New, than choose New Module...



Choose Import .JAR/.AAR Package



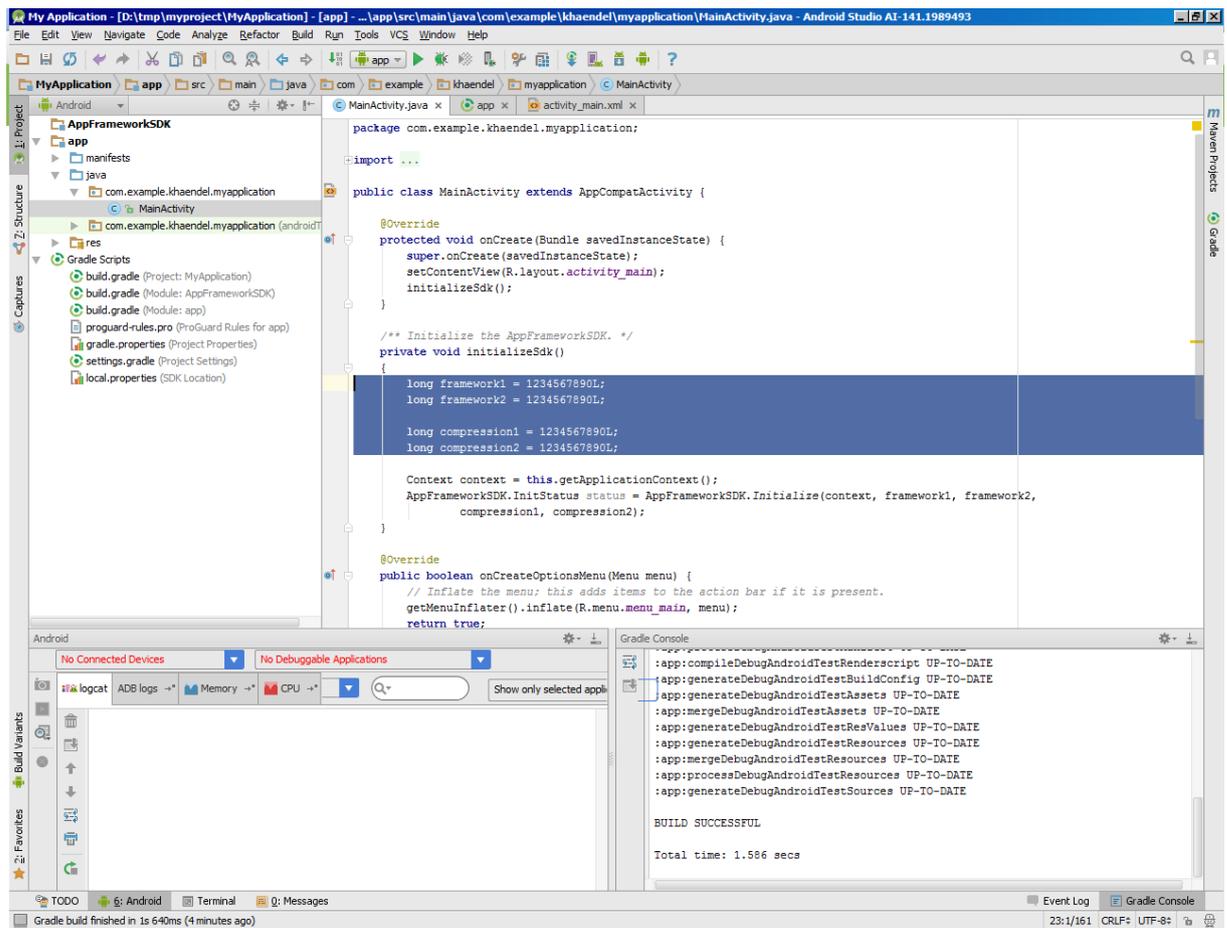
Choose the filename from the distribution of the App Framework SDK and enter a name as a subproject of your Scan App.



AppFrameworkSDK should have been appeared as a subproject of your Scan app, now.

Additionally you have to configure your build to make use of the newly added subproject, simply add the following line to your dependencies in the file build.gradle (Module: app):

```
dependencies {
    ...
    compile project(":AppFrameworkSDK")
}
```



Finally your MainActivity can initialize the App Framework SDK using the serial numbers provided with the distribution of the App Framework SDK.

Congratulations, you have successfully managed to make use of the App Framework SDK!

5. Support and Contact

If you experience any problems using the LuraTech App Framework SDK you can contact LuraTech's support via e-mail.

Please send all support requests to: support@luratech.com

You can find further information and contact data on our web page: <http://www.luratech.com>

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