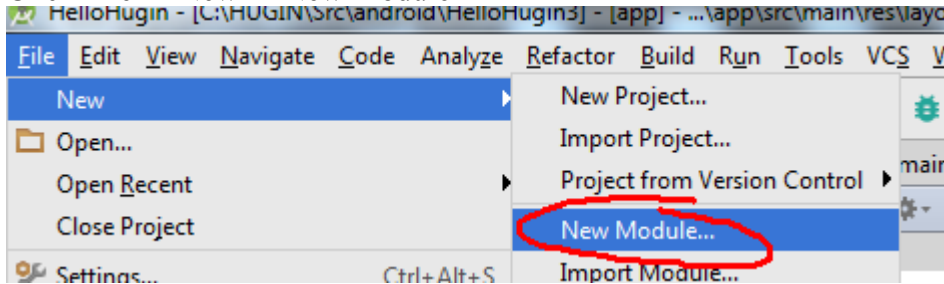
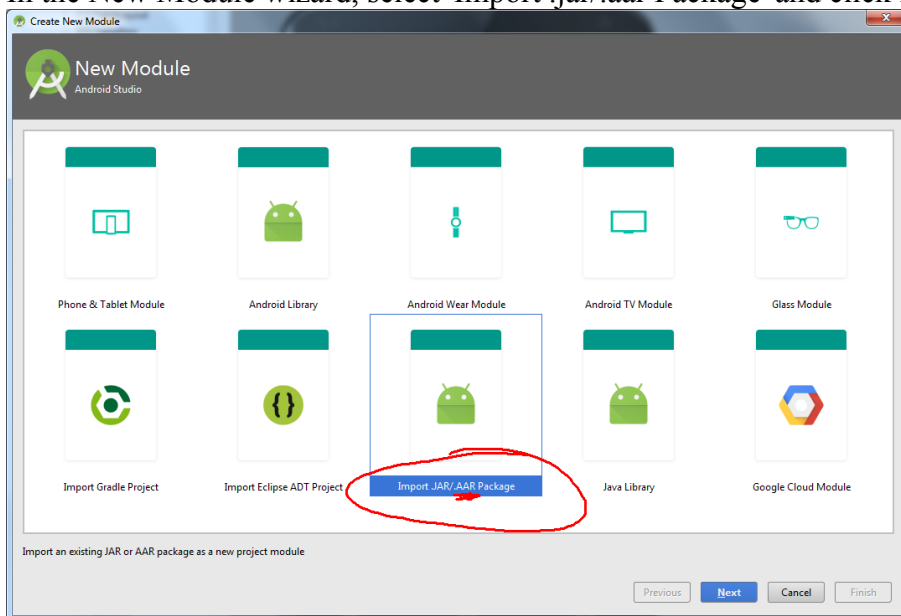


How to: Add HUGIN API to Android Studio project

Click File -> New -> New Module

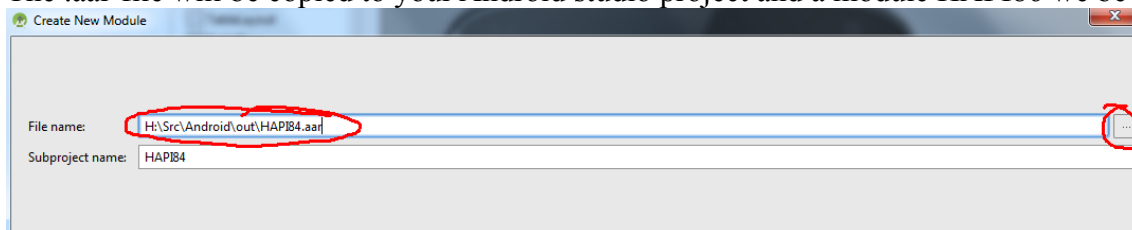


In the New Module wizard, select 'Import .jar/.aar Package' and click Next.

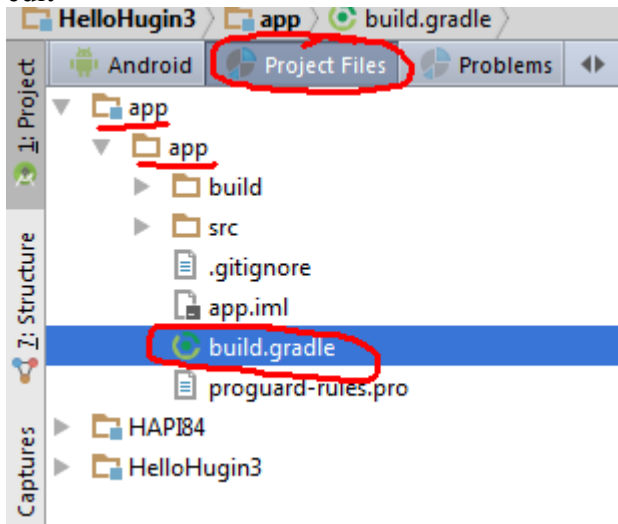


Browse to location where the Hugin HAPI86.aar file can be found and click next.

The .aar-file will be copied to your Android studio project and a module HAPI86 we be created.



Finally add a build dependency in the project 'build.gradle' file – locate and double-click the file to edit



Under the dependencies section, add a single line
compile project(':HAPI86')

```
apply plugin: 'com.android.application'

android {
    ...
}

dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    testCompile 'junit:junit:4.12'
    compile 'com.android.support:appcompat-v7:23.3.0'
    compile 'com.android.support:design:23.3.0'
    compile project(':HAPI86')
}
```

Thats it!

How to: Using HUGIN API in Android Studio project

The Android HUGIN API looks and works very much like the regular HUGIN Java API. Except for the following android specific platform details:

1)

To use the HUGIN API in your android sources, include the HUGIN package in the source files – note that the package name is lowercase compared to regular HUGIN Java API:

```
import com.hugin.hapi.*;
```

2)

HUGIN license information can be supplied to the API through using the `com.hugin.hapi.License` class.

Core HUGIN constructors have an overload that takes a License object (Domain, ClassCollection).

3)

Only the Android simulator CPU (x86) is supported for HUGIN Reseacher / Developer / Lite packages.

The OEM version of the HUGIN Android API supports all Android CPUs (armeabi armeabi-v7a x86 mips).

4)

In order to be able to write data to externally mounted sd card, remember to include permissions in your applications **AndroidManifest.xml** file – else any HUGIN API method that tries to write to external storage throws a **com.hugin.hapi.ExceptionIO**.

```
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
```

These are the android specific details to the HUGIN API – other than this the API works and behaves exactly the same as the regular HUGIN API for Java.

The HUGIN Android API javadoc can be found the [tools/android/doc](#) directory.

For details about HUGIN core (the C api), refer to the HUGIN reference manual [api-manual.pdf](#)

The Android Java class reference:

<http://developer.android.com/reference/packages.html>

And the regular Java class reference:

<http://docs.oracle.com/javase/8/docs/api/index.html>