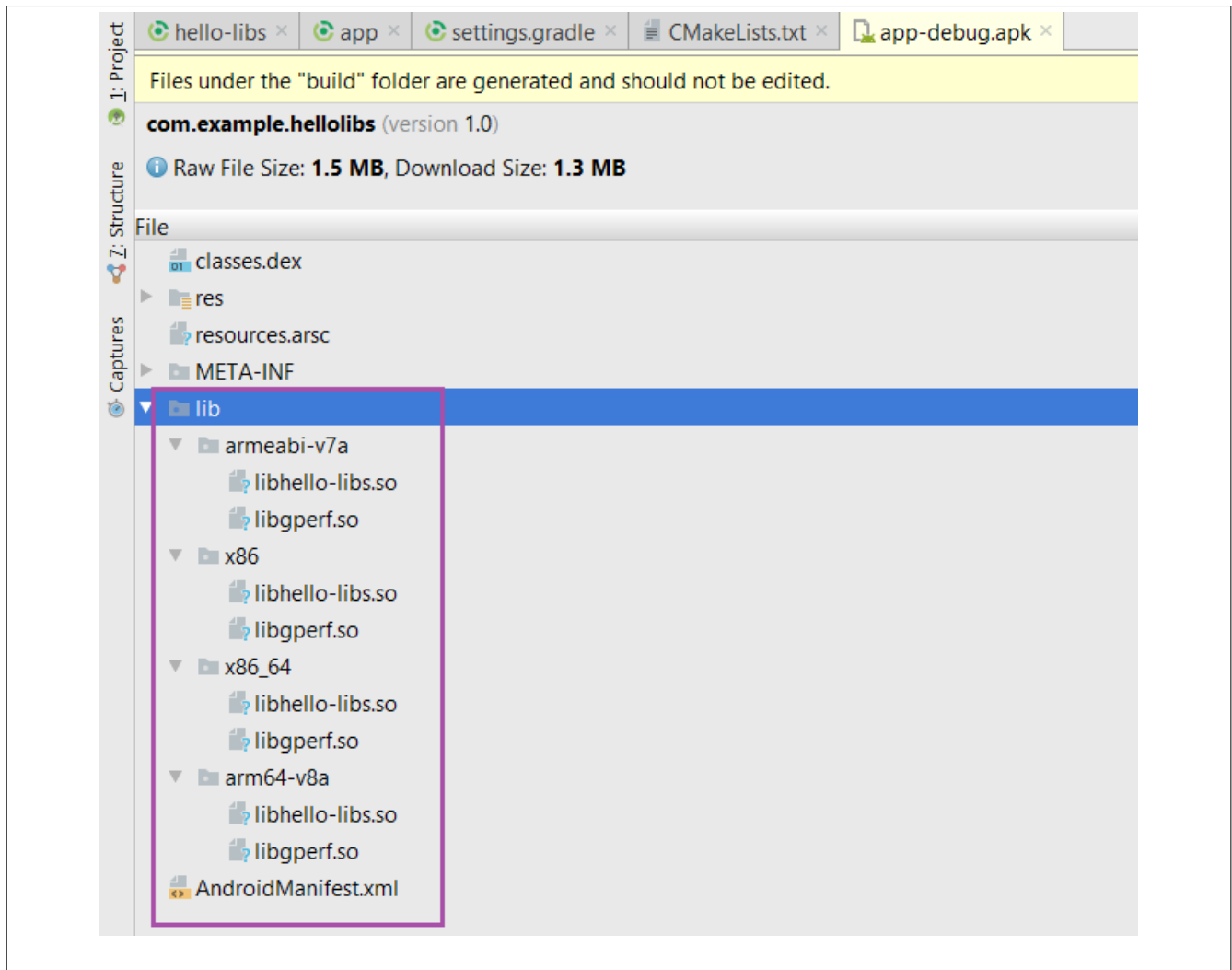


# Cross CPU Architectures Application

## What is fat APK?

Fat APK is an APK that contains many ABI binaries.

In above APK, we can see app-debug.apk contains binaries of armeabi-v7a, x86, x86\_64, arm64-v8a.



## What fat APK use for?

Fat APK use to provide a single APK for multiple devices which has different ABI.

## How fat APK support cross ABI?

When installing an application, the package manager service scans the APK, and look for any shared libraries of the form.

lib/<abi-name>/lib<name>.so

In this example, if you run apk on armebi-v7a devices, the package manager will copy libhello-libs.so and libgperf.so in armebi-v7a to the application data directory (data/data/<package\_name>/lib/).

