

Installation and Configuration of Android

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ANDROID DEVELOPMENT TOOLS



- **Android Studio**
- **ADB (android Debug Bridge)**
- **AVD Manager**
- **Eclipse**
- **Fabric**
 - Fabric is the development platform behind Twitter's mobile application.
 - It gives developers the ability to build better mobile apps by providing them with a suite of "kits" that they can pick and choose from.
- **Flow Up**
 - FlowUp allows you to monitor the performance of all our production apps



- **GameMaker :Studio**

- **Genymotion**

- Genymotion is popular among gaming developers because it comes with preinstalled standard Android images and graphics that are quite useful in the testing process.

- **Gradle**

- Gradle as a build system for Android apps

- **IntelliJ IDEA**

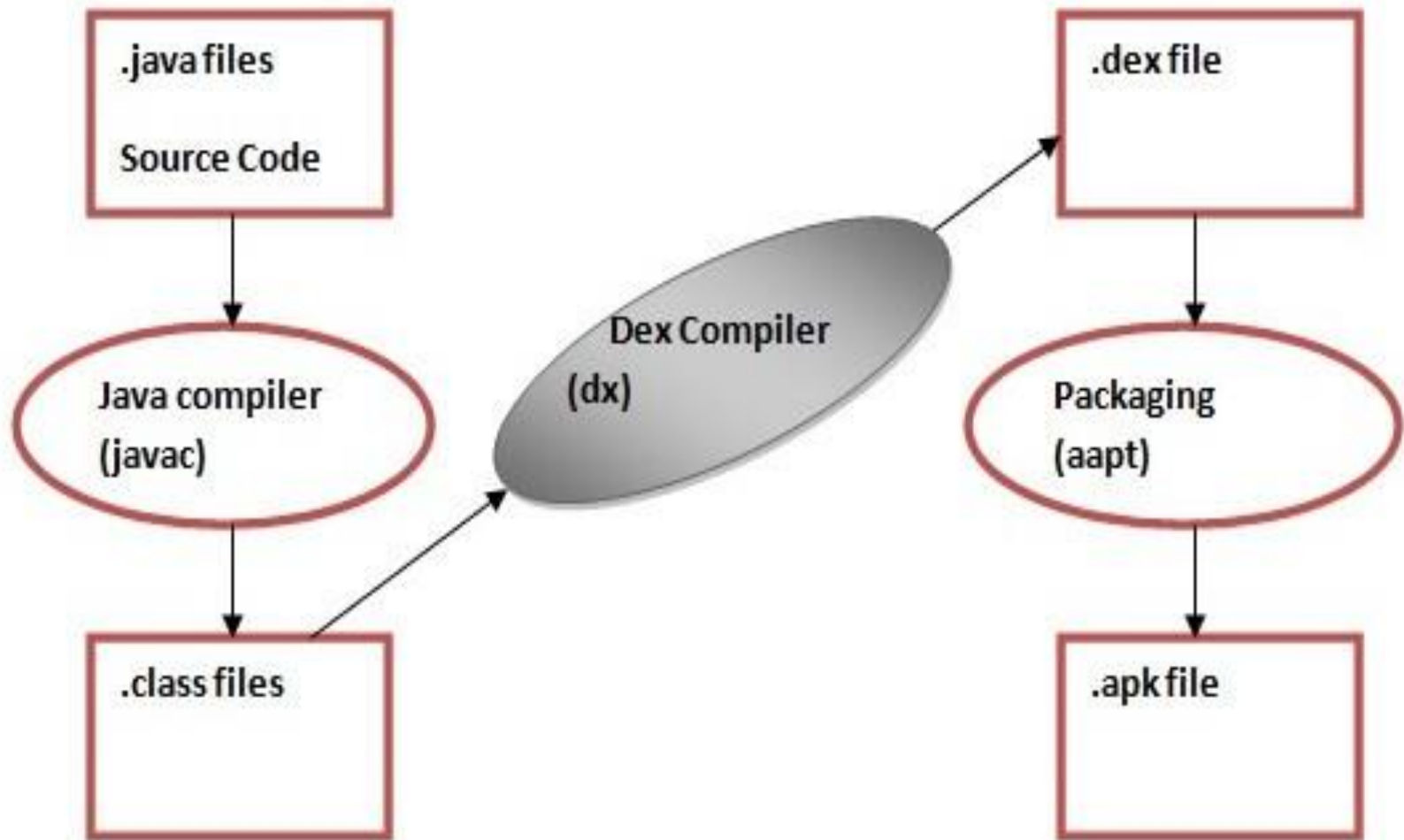
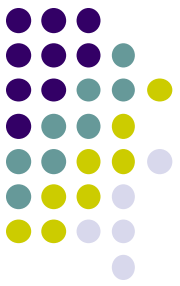
- From the developers at JetBrains, IntelliJ IDEA is designed for ultimate programmer productivity.
- It extremely fast and features a full suite of development tools right out of the box.

ANDROID VIRTUAL DEVICES (AVDS)



- **Hardware Profile**
- **System Images**
 - A system image labeled with Google APIs includes access to Google Play services
- **Storage Area**
- **Skin**

DALVIK VIRTUAL MACHINE (DVM)





- The **javac tool** compiles the java source file into the class file.
- The **dx tool** takes all the class files of your application and generates a single .dex file. It is a platform-specific tool.
- The **Android Assets Packaging Tool (aapt)** handles the packaging process.