

# Android Tools

Mobile Computing - Android

# Android Studio

- While you can use other IDEs such as Eclipse to develop your Apps, Android Studio gets good support from Google.
- Install the latest version.
- If you already have it installed, update to the latest version. This includes both Android Studio version, SDKs and Gradle tools.

# Basic Tools

- Device Manager
  - Allows you to create emulators that you can test your Apps on.
- SDK Manager
  - Select the basic tools packages to use. In particular, can choose which versions of the OS to support directly.
  - I typically install all versions from Lollipop up to the most recent stable version, but you may choose to do less if disk space is a concern.
- Accessible from the **Tools** menu or from the startup screen.

# Running Your App

You can run your app on:

- The built in Android Studio emulator/s.
- A Genymotion emulator/s.
- Your personal Android device.
- Genymotion may be faster on your laptop. Some apps that use built in services of Android (like GPS location) run better on a real device.

# Genymotion

- Get an account on [genymotion.com](https://genymotion.com)
- Download the personal version of [genymotion](https://genymotion.com). (If you want to become an Android developer, there are pay versions that offer more support.)
- Install Genymotion
  - [Install Oracle VirtualBox](https://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133151.html) (OS X users only)

# Using Genymotion

- Get an account on [genymotion.com](https://www.genymotion.com)
- Download the personal version of [genymotion](https://www.genymotion.com). (If you want to become an Android developer, there are pay versions that offer more support.)
- Install Genymotion
  - [Install Oracle VirtualBox](https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133141.html) (OS X users only)