Android Development Environment Setup

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Assumptions

- **Microsoft Windows Environment**
- **Developing using Eclipse**
- **JDK Installed (from http://www.oracle.com)**

Overview

- **Eclipse**
- **Android SDK Starter**
- **ADT for Eclipse**
- **Platforms and Components**
- **Hello World**

![pluralsight logo - see what you can learn]

Eclipse

- **Why Eclipse?**
  - □ Free Open Source Java IDE
  - □ Google add-ins to support Android development
  - □ Universal easy to use
- **No installation, just download and unzip**
- **Get Eclipse IDE for Java Developers**
  - □ I've had some problems with the 64 bit version, so I would recommend getting the 32 bit version
- **http://www.eclipse.org**

Eclipse IDE for Java Developers, 99 MB
Downloaded 1,843,803 Times   Details

Windows 32 Bit
Windows 64 Bit

Android SDK Starter Package

Just the core SDK tools
- It can be used to download the latest Android platform

Windows installer version
- http://developer.android.com/sdk/index.html
- Might want to change default location to something without a space in it for ProGuard

Make note of where you install it
- Adding it to your path might be a good idea

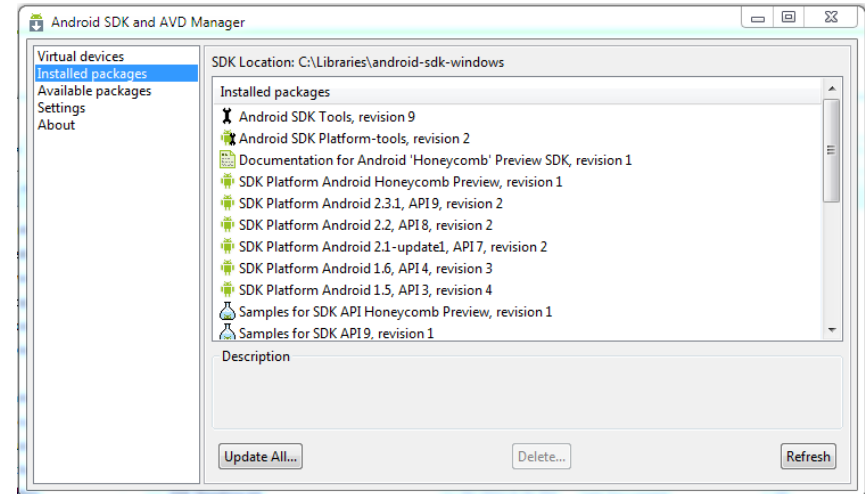| Platform	Package	Size	MD5 Checksum
Windows	android-sdk_r09-windows.zip	32779808 bytes	1a1bb8fad80bcc2dfbd00443b9a13e6b
	installer_r09-windows.exe (Recommended)	32828818 bytes	a0185701ac0d635a4fbf8169ac949a3c5b3d31e0

ADT for Eclipse

Android Development Tools (ADT)

- **Eclipse plug-in**
  - Adds Android project type
  - Debugging
  - Export applications
  - Visualize UIs
- **Install through update manager in Eclipse**
  - Add repository: https://dl-ssl.google.com/android/eclipse/

Platforms and Other Components

- **Android SDK only has latest SDK tools**
  - Need Android platforms
  - Need SDK Platform-tools
- **Many components**
  - SDK Tools
  - SDK Platform-tools
  - Android platforms
  - USB Driver
  - Samples
  - Documentation
- **I recommend just downloading everything (it's not very big)**

Summary

- **How to download all the tools required**
  - Eclipse
  - Android SDK Starter
  - ADT for Eclipse
  - Platforms and Components
- **Online at**
  - http://developer.android.com