Installing Android Development Environment

1) Download the Java JDK from
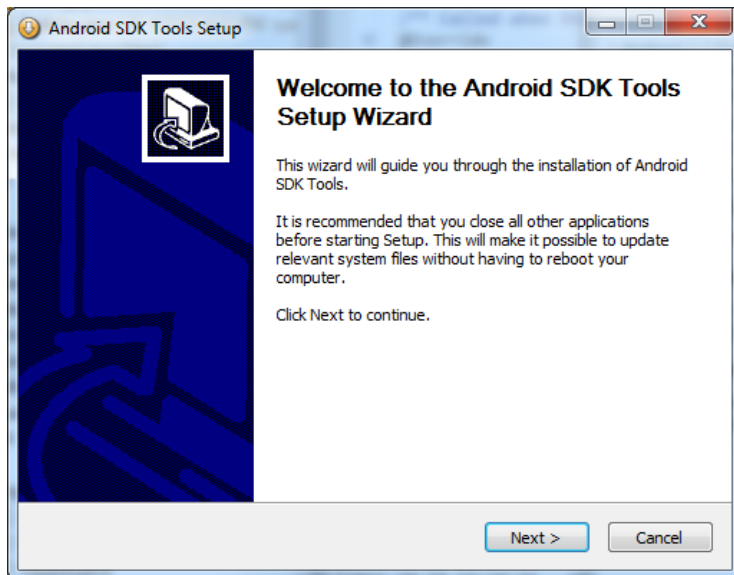http://www.oracle.com/technetwork/java/javase/downloads/index.html

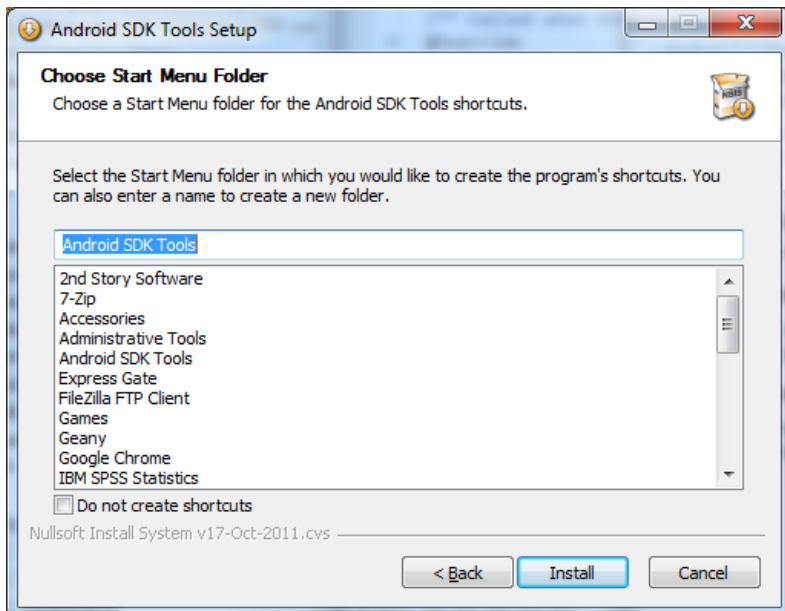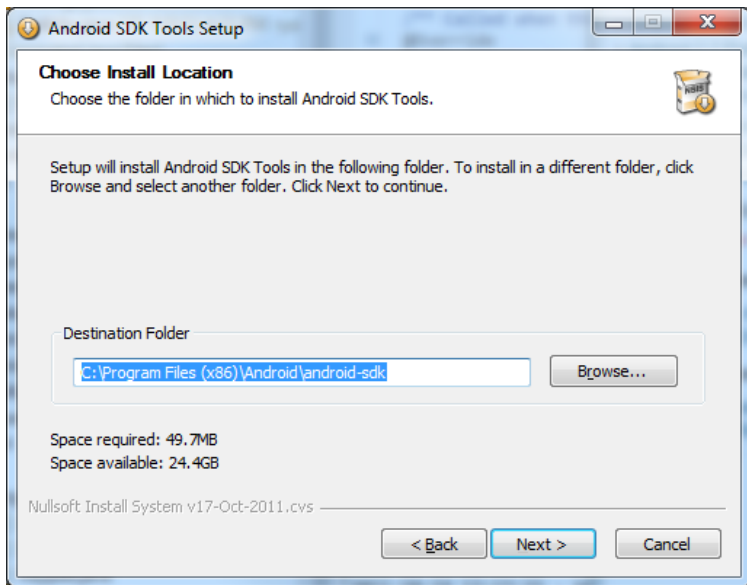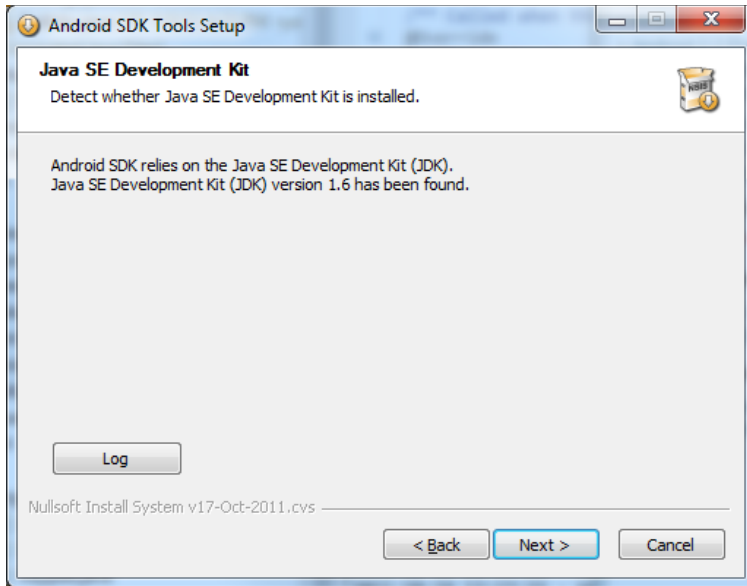Note1: The JDK includes a JRE which is necessary for Eclipse to successfully run

Note2: If you successfully download and install the 64-bit version of the JDK, you will see two folders **jdk1.7.0_01** and **jre7** in the folder c:\Program Files\Java

2) Add the path **c:\Program Files\Java\jdk1.7.0_01\bin;** to the Path variable. This will give you access to java and javac from the command line.

3) Download Eclipse IDE for Java Developers (32/64 –bit version) from
http://www.eclipse.org/downloads/. If you have a correct JRE, Eclipse will run just fine. If you do not have a JRE, Eclipse will say you need to install one.

4) Download the Android SDK from
http://developer.android.com/sdk/index.html. I recommend using the installer (**installer_r14-windows.exe**). This will install all Android tools in c:\Program Files (x86) folder in a folder called Android.

Android SDK Tools Setup

Java SE Development Kit
Detect whether Java SE Development Kit is installed.

Android SDK relies on the Java SE Development Kit (JDK).
Java SE Development Kit (JDK) version 1.6 has been found.

Log

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Android SDK Tools Setup

Choose Install Location
Choose the folder in which to install Android SDK Tools.

Setup will install Android SDK Tools in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

C:\Program Files (x86)\Android\android-sdk   Browse...

Space required: 49.7MB
Space available: 24.4GB

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Android SDK Tools Setup

Choose Start Menu Folder
Choose a Start Menu folder for the Android SDK Tools shortcuts.

Select the Start Menu folder in which you would like to create the program's shortcuts. You can also enter a name to create a new folder.

Android SDK Tools

2nd Story Software
7-Zip
Accessories
Administrative Tools
Android SDK Tools
Express Gate
FileZilla FTP Client
Games
Geany
Google Chrome
IBM SPSS Statistics

☐ Do not create shortcuts

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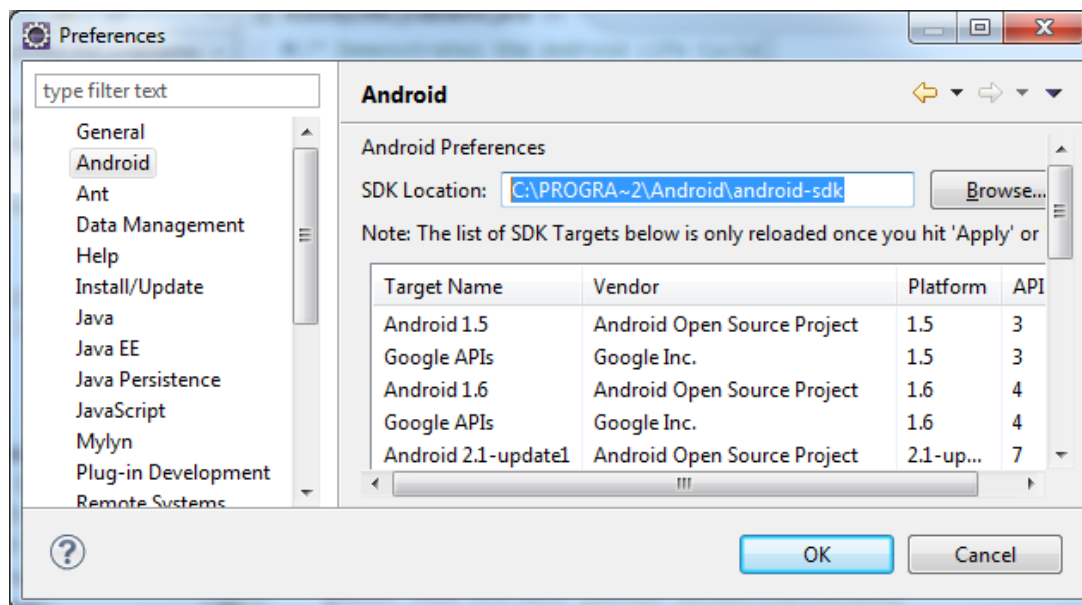
< Back   Install   Cancel

Keep following the install instructions. You can decide what versions of Android to install. Installing all versions from Android 1.5 to 4.0 will take quite a while, so maybe just starting with 1.5 will work for now. You can install other versions on an as needed basis, OR if you have the time, just install all at once and go grab dinner!!!! ☺

5) Add the path **c:\PROGRA~2\Android\android-sdk\platform-tools;** to the Path variable. This will give you access to Android debugger tool adb.

6) With Eclipse running, go to Window -> Preferences and set the SDK Location to **C:\PROGRA~2\Android\android-sdk**. You will see something like the following:

7) Install the Android Development Tools plugin for Eclipse. Help -> Install New Software. Click the Add button and enter the repository URL **https://dl-ssl.google.com/android/eclipse/**.

8) Unless I forgot something, you should be good to create a new Android Project. Remember, you need to use the AVD manager to create Android virtual devices. We will be focusing on Android 1.5 for the time being. You need to have at least one Android virtual device to run an Android application and the virtual device must be compatible with your target Android application.