Step 1 - System Requirements

You will be delighted, to know that you can start your Android application development on either of the following operating systems −

* Microsoft® Windows® 10/8/7/Vista/2003 (32 or 64-bit)
* Mac® OS X® 10.8.5 or higher, up to 10.9 (Mavericks)
* GNOME or KDE desktop

Second point is that all the required tools to develop Android applications are open source and can be downloaded from the Web. Following is the list of software's you will need before you start your Android application programming.

* Java JDK5 or later version
* Java Runtime Environment (JRE) 6
* Android Studio

## Step 2 - Setup Android Studio

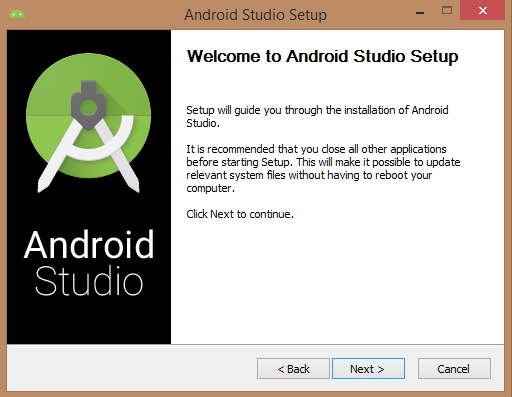
### Overview

Android Studio is the official IDE for android application development.It works based on **IntelliJ IDEA**, You can download the latest version of android studio from [Android Studio 2.2 Download](https://developer.android.com/sdk/index.html), If you are new to installing Android Studio on windows,you will find a file, which is named as *android-studio-bundle-143.3101438-windows.exe*.So just download and run on windows machine according to android studio wizard guideline.

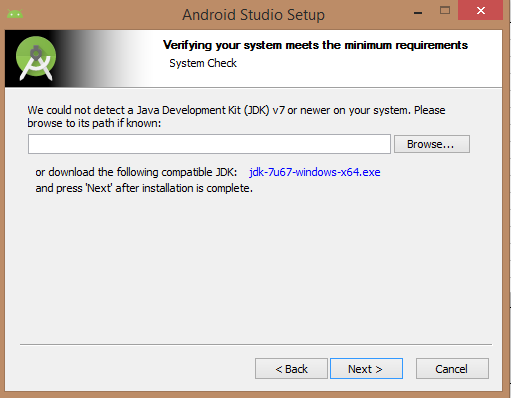
If you are installing Android Studio on Mac or Linux, You can download the latest version from [Android Studio Mac Download](https://dl.google.com/dl/android/studio/install/1.1.0/android-studio-ide-135.1740770-mac.dmg),or [Android Studio Linux Download](https://dl.google.com/dl/android/studio/ide-zips/1.1.0/android-studio-ide-135.1740770-linux.zip), check the instructions provided along with the downloaded file for Mac OS and Linux. This tutorial will consider that you are going to setup your environment on Windows machine having Windows 8.1 operating system.

## Installation

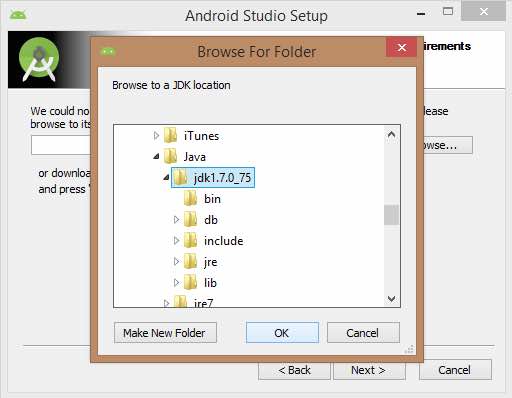
So let's launch *Android Studio.exe*,Make sure before launch Android Studio, Our Machine should required installed Java JDK. To install Java JDK,take a references of [Android environment setup](https://www.tutorialspoint.com/android/android_environment_setup.htm)



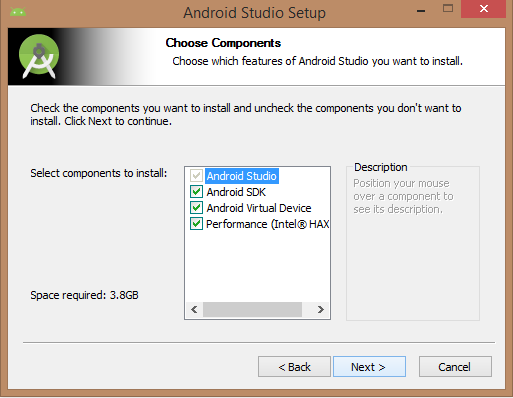
Once you launched Android Studio, its time to mention JDK7 path or later version in android studio installer.



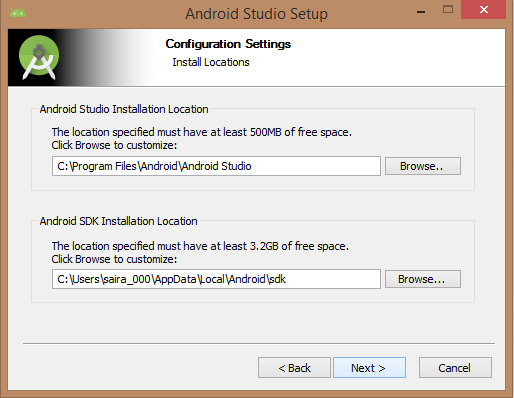
Below the image initiating JDK to android SDK



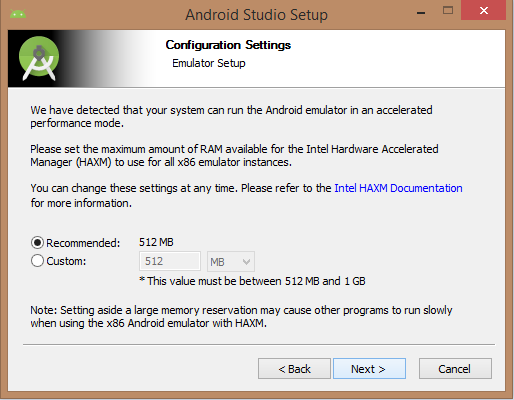
Need to check the components, which are required to create applications, below the image has selected **Android Studio**, **Android SDK**, **Android Virtual Machine** and **performance(Intel chip).**



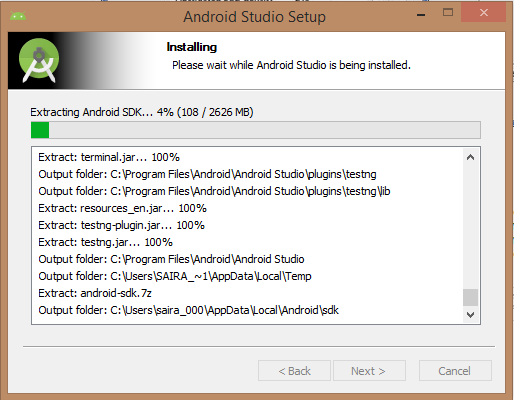
Need to specify the location of local machine path for Android studio and Android SDK, below the image has taken default location of windows 8.1 x64 bit architecture.



Need to specify the ram space for Android emulator by default it would take 512MB of local machine RAM.



At final stage, it would extract SDK packages into our local machine, it would take a while time to finish the task and would take 2626MB of Hard disk space.



After done all above steps perfectly, you must get finish button and it gonna be open android studio project with Welcome to android studio message as shown below

