Android Studio Setup Guide

CONTENTS (Est. Total Time Required: 60 min)

Step 1# Install JAVA Environment

Install Java

1 First, check if you have the Java Developer Kit (JDK) version 6.0 or greater already installed (JRE alone is not sufficient).

To check if you have JDK installed (and which version), open a terminal and type `java -version`. If you have Java 6.0 or greater, continue to the next slide: Set Your JAVA_HOME
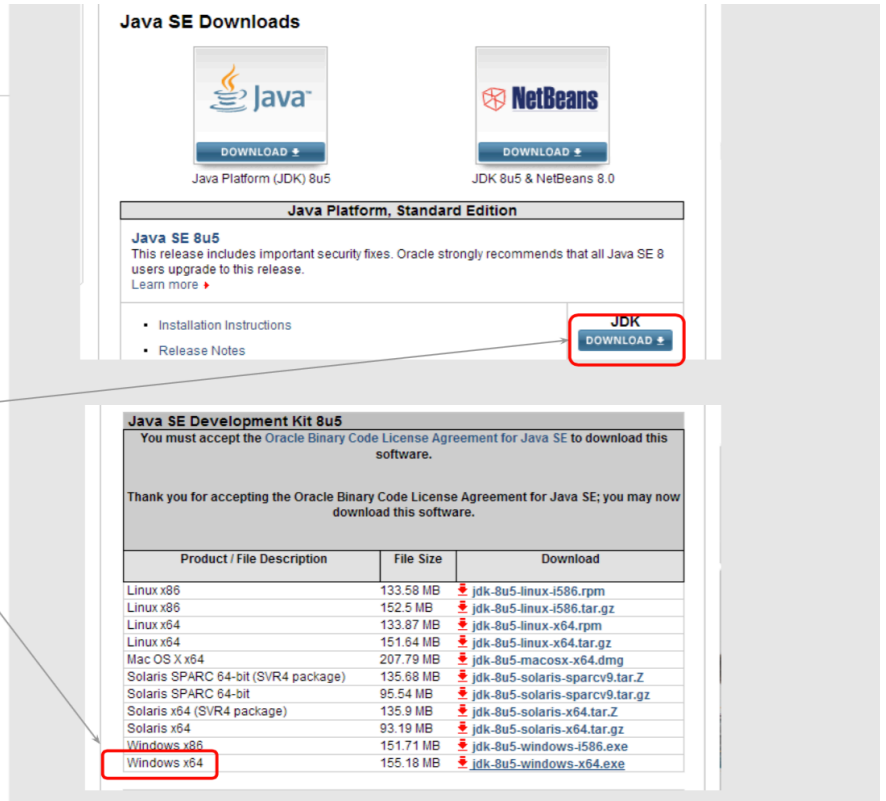
If JDK is not available or the version is lower than 6, go on to No. 2, below.

2 Navigate to the Java install page and select the latest JDK. At the time of writing, it was Java SE 8u5.

3 Select the JDK for your operating system. In most cases if you have a machine purchased in the last few years, you should choose the x64 (64-bit) version.

Search online for instructions to locate this information if you are not sure.

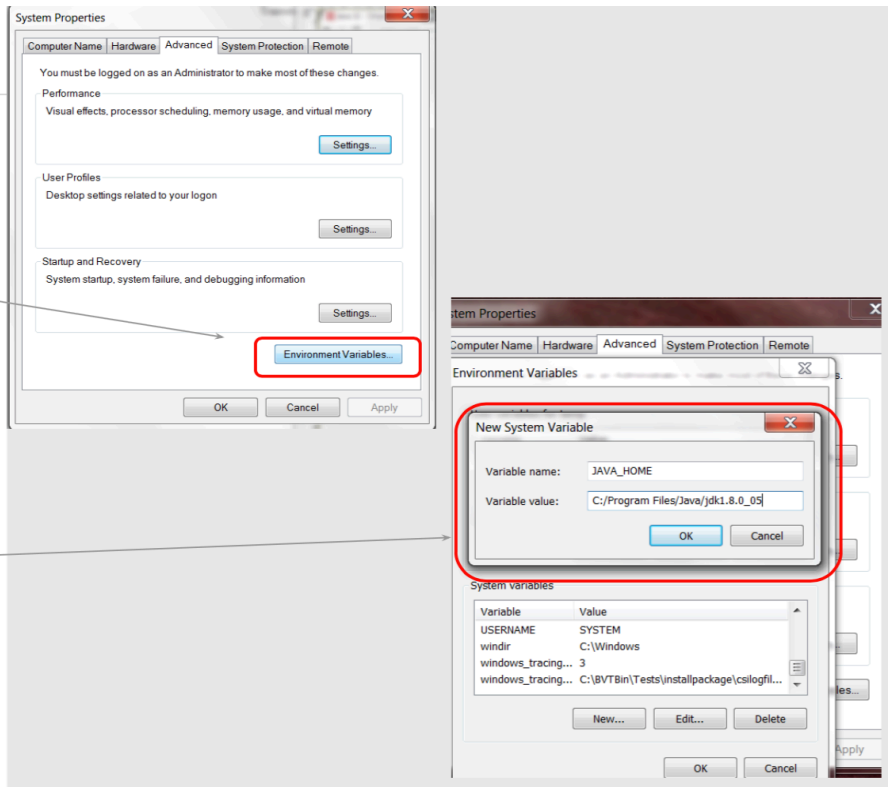Accept the license agreement to download and locate the file, and double click it to begin the installation process.

Step 2.1# Set-up JAVA Environment: Windows

Set Your JAVA_HOME

1 Select Computer from your Start Menu or right click it on your desktop.

2 Select System properties -> Advanced system settings -> Environment variables

3 Click New under System Variables. Enter JAVA_HOME in the Variable name box, and the path to your Java installation in the Variable value box. it will be something similar to what is listed in the image.

Step 2.2# Set-up JAVA Environment: Mac

Open the Terminal program present in your (this is in your Applications/Utilities folder by default). Follow the below steps.

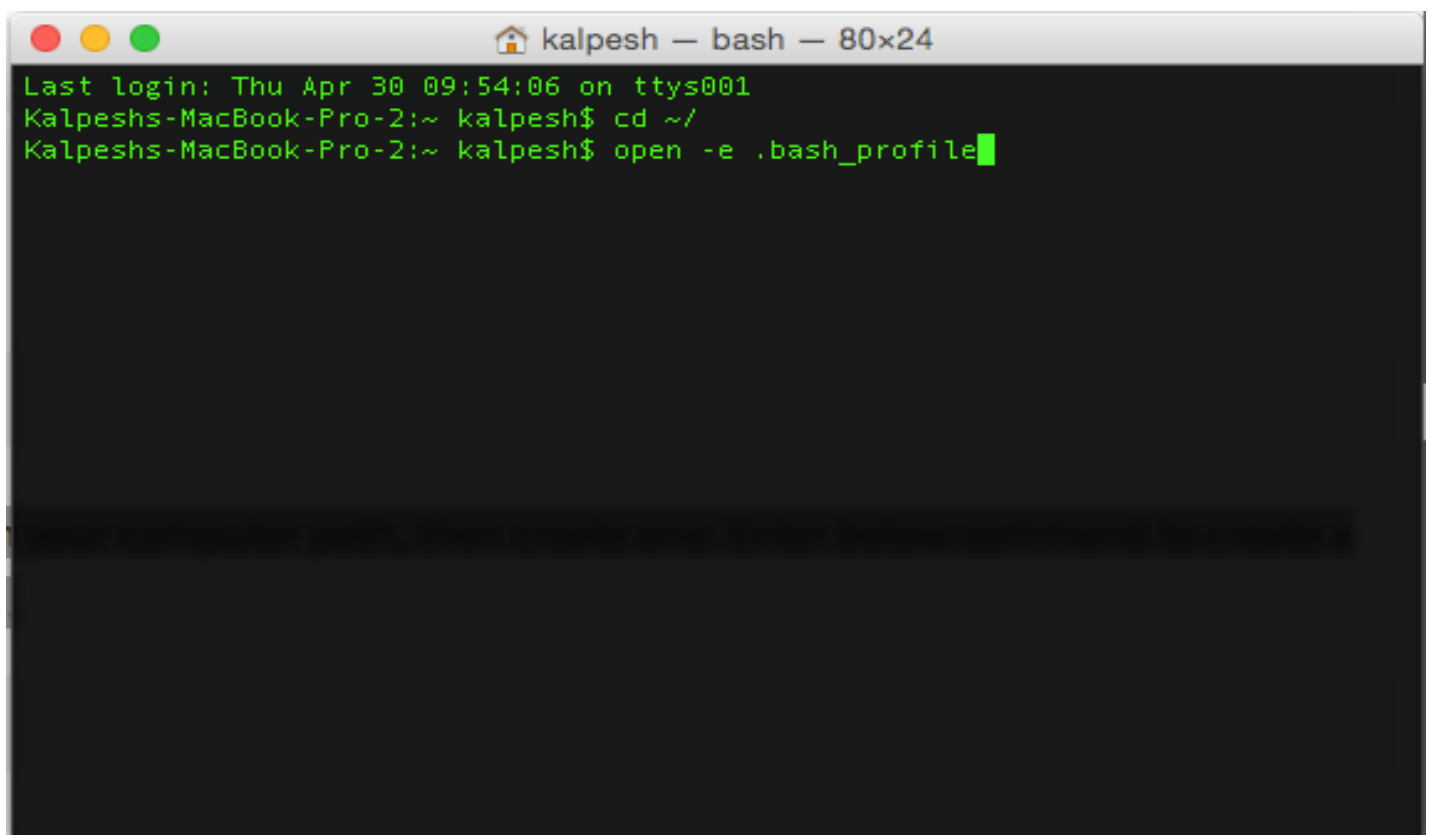**Step-1:** Start up Terminal and go to your home folder.
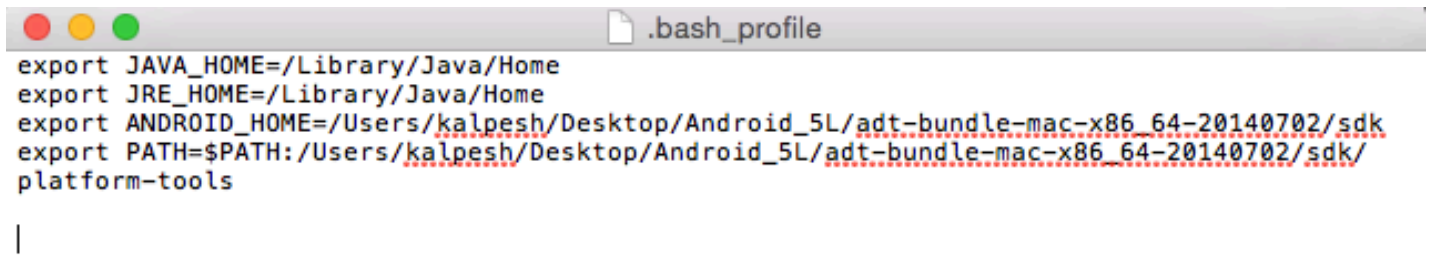*cd ~/*
Step-2: Open and edit .bash_profile file
$ open -e .bash_profile

If you don't have .bash_profile file in your computer path, then create one. Enter below command to create a new file. Once created follow Step-2.
$touch .bash_profile

```
● ● ●                        🗋 .bash_profile
export JAVA_HOME=/Library/Java/Home
export JRE_HOME=/Library/Java/Home
export ANDROID_HOME=/Users/kalpesh/Desktop/Android_5L/adt-bundle-mac-x86_64-20140702/sdk
export PATH=$PATH:/Users/kalpesh/Desktop/Android_5L/adt-bundle-mac-x86_64-20140702/sdk/
platform-tools

|
```

Step-2.3: Provide following properties:

- *export JAVA_HOME=/Library/Java/Home*
- *export JRE_HOME=/Library/Java/Home*
- *export ANDROID_HOME=/Users/kalpesh/Desktop/Android_5L/adt-bundle-mac-x86_64-20140702/sdk*
- *export PATH=$PATH:/Users/kalpesh/Desktop/Android_5L/adt-bundle-mac-x86_64-20140702/sdk/platform-tools*

OR

export PATH=${PATH}:/Applications/adt-bundle-mac-x86_64-20140321/sdk/tools
export PATH=${PATH}:/Applications/adt-bundle-mac-x86_64-20140321/sdk/platform-tools
Step-4: Refresh the file using below command
$ *source .bash_profile*
Step-5: Check if the JAVA_HOME is set properly
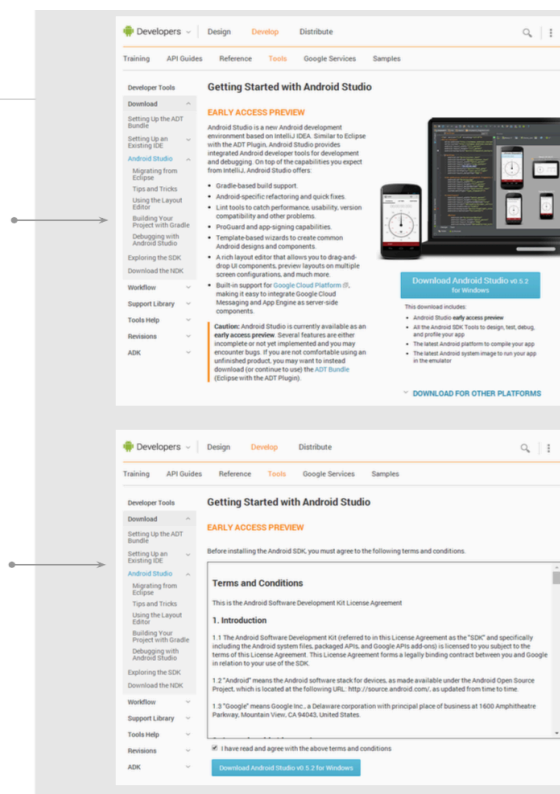$ *echo $PATH*

```
🏠 kalpesh — bash — 80×24
Kalpeshs-MacBook-Pro-2:~ kalpesh$ cd ~/
Kalpeshs-MacBook-Pro-2:~ kalpesh$ open -e .bash_profile
Kalpeshs-MacBook-Pro-2:~ kalpesh$ source .bash_profile
Kalpeshs-MacBook-Pro-2:~ kalpesh$ echo $PATH
/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/Users/kalpesh/Desktop/Android_5L/a
dt-bundle-mac-x86_64-20140702/sdk/platform-tools:/Users/kalpesh/Desktop/Android_
5L/adt-bundle-mac-x86_64-20140702/sdk/platform-tools
Kalpeshs-MacBook-Pro-2:~ kalpesh$ █
```

Step 3# Install Android Studio

Install Android Studio

1 Navigate to the Android developers site to install Android Studio. This page will automatically detect your operating system.

2 Accept the terms and conditions to start the download. Double-click the downloaded file and follow all the prompts.

Step 4# Install Android API. Download API level 21 and 22, if present

Install Android System Images & Tools

1 Open Android Studio and click the SDK Manager button on the toolbar. After the SDK Manager has fully loaded., close Android Studio.

2 We are building for Android 4.4.2 so make sure the following packages are checked under the Tools section:

- Android SDK Tools rev 22.6.3
- Android Platform-tools rev 19.0.1
- Android SDK Build-tools rev 19.1

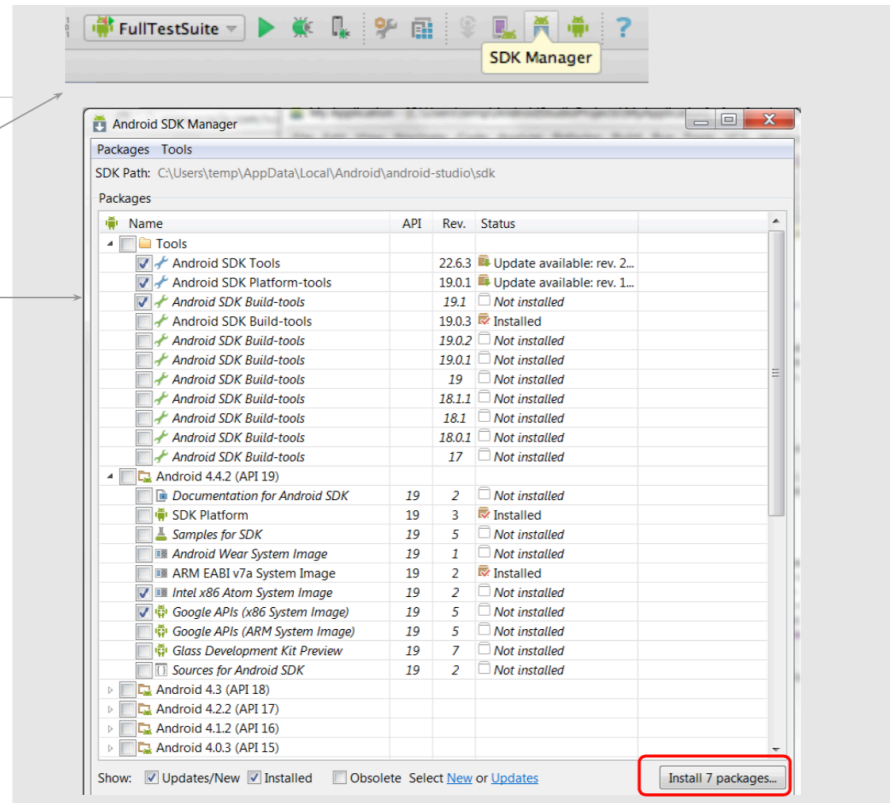Check these under the Android 4.4.2(API 19) section:

- Intel x86 Atom System Image
- Google APIs (x86 System Image)

And check these under the Extras section:

- Android Support Repository
- Android Support Library

Click Install.

Accept the licenses that appear for each section to enable download..
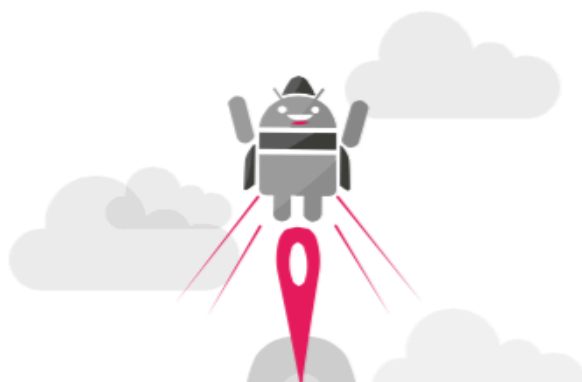
Step 5# Follow the Genymotion guide and install the emulator.

GENYMOTION

User guide

Version 2.4.0 | March 3rd, 2015

Hooray, you're DONE!

Time for a robot dance party.