IDE

Android Studio(Intellj Based)

http://developer.android.com/sdk/installing/studio.html

Seems Google is giving up Eclipse based ADT

Android SDK

SDK Tool https://developer.android.com/sdk/index.html#ExistingIDE
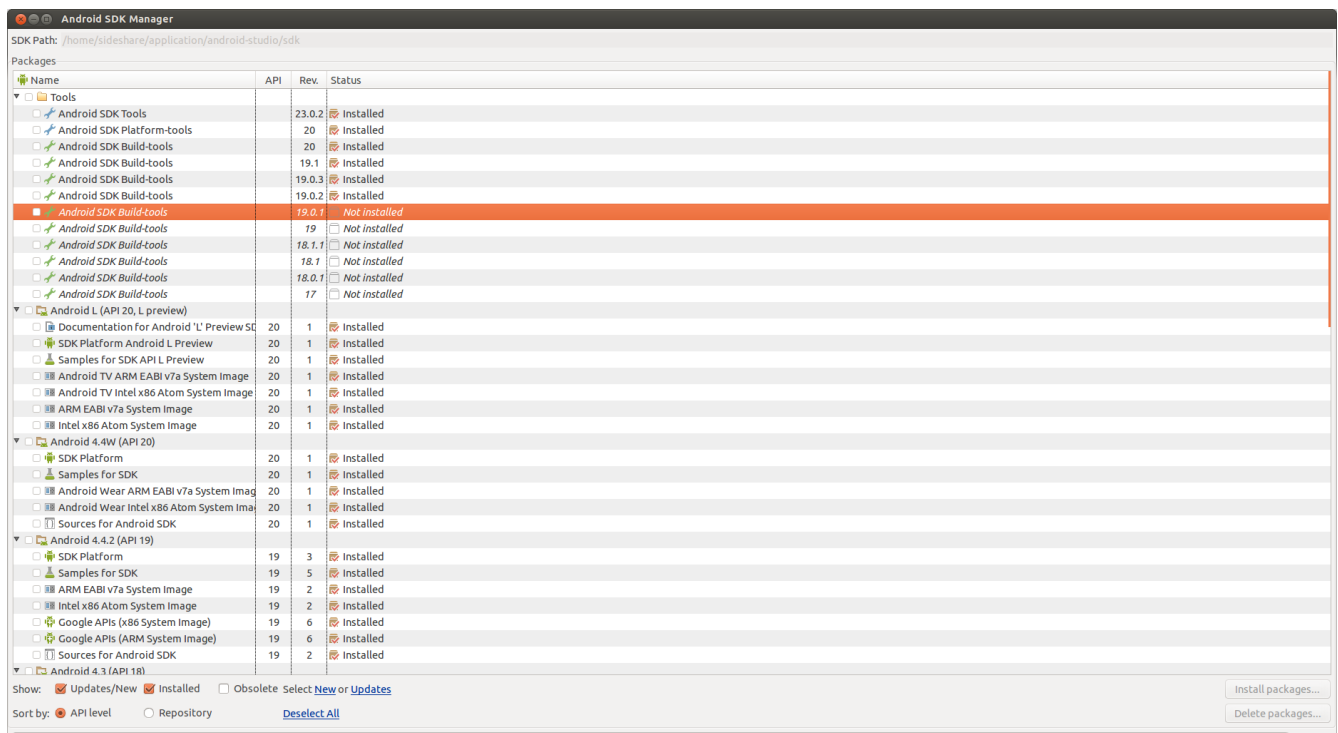
After install you need to update

On windows

run #Installed Directory\"SDK Manager.exe"

On Linux

run #Installed Directory/tools/android

after that you will see ui similar to this

Here are all the needed library you need to check to install

Tools
  Android SDK Tools
  Android SDK Platform-tools
  Android SDK Build-tools 19.0.x and 19.1
Android 4.4.2(API 19)
Android 4.3(API 18)
Android 4.2.2(API 17)
Extras
  Android Support Repositiory
  Android Support Library
  Google Play Services
  Google Repository
  Google Web Driver
  Google USB Drvier (Windows Only)

Install Window USB Driver

 Woking on Window need additional USB Driver to be install

For Dell Venue 8 , Intel Atom Usb driver is stale and seems Dell/Intel has no intention to upgrade them

Instead you need to install *应用宝 to make it work (Thanks Michael for the valuable info)*

*http://www.baidu.com/s?ie=utf-8&f=8&rsv_bp=1&tn=baidu&wd=yingyong
%20bao&rsv_enter=1&rsv_sug3=11&rsv_sug4=721&rsv_sug1=2&rsv_sug2=0&inputT=3347*

Source control

Client

Windows . Tortois Git . DON NOT use Egit if you are using Eclipse . It sucks !!!

Linux Android studio has got support for a developer role .

command line is most powerful to do everything .

Source Control Server

github.com

Project clone url

https://github.com/chenning84/hope-education-android.git

check out the code

git clone https://name:password@github.com/chenning84/hope-education-android.git

Build Tool

Gradle

Android Studio has buildin gradle support . No need for additional install

recompile from command

gradlew clean install .

Include project into Android Studio

1) start android studio

2) choose Menu 'File'-- 'Import Module' and choose the project location .

Similar link on Internate

http://xda-university.com/as-a-developer/getting-started-android-studio