

Android Development Workshop

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1 Android Development Tools

Android Development Tools (ADT) is a plugin for the Eclipse IDE that is designed to give you a powerful, integrated environment in which to build Android applications.

ADT extends the capabilities of Eclipse to let you quickly set up new Android projects, create an application UI, add components based on the Android Framework API, debug your applications using the Android SDK tools, and even export signed (or unsigned) .apk files in order to distribute your application.

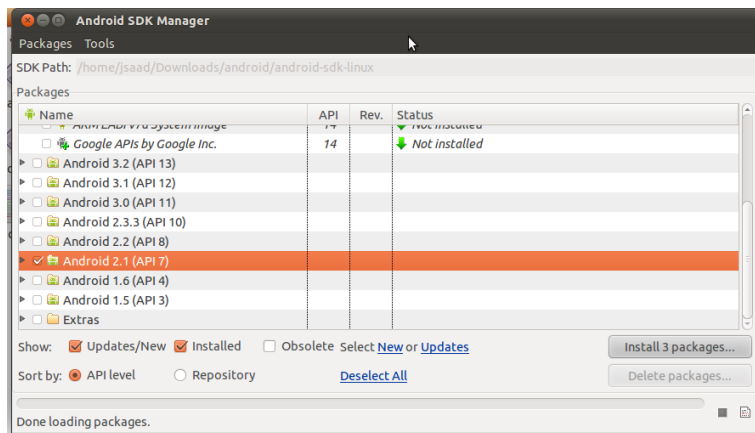
Developing in Eclipse with ADT is highly recommended and is the fastest way to get started. With the guided project setup it provides, as well as tools integration, custom XML editors, and debug output pane, ADT gives you an incredible boost in developing Android applications.

1.1 Installing Eclipse, the SDK Starter pack, and ADT

For instructions on how to setup ADT and all the requirements, go to the following website:

<http://developer.android.com/sdk/installing.html>

Note: When installing the SDK Starter Pack and choosing the platforms you should only select the Android 2.1 (API 7):



Read this to configure the ADT plugin: <http://developer.android.com/sdk/eclipse-adt.html#installing>

2 Tutorials

2.1 Hello World

A tutorial wouldn't be complete without teaching you how to do Hello World! Link here to learn how to setup an Eclipse project and get going with the tutorial:

`http://developer.android.com/resources/tutorials/hello-world.html`

2.2 Hello World with Relative Layouts

The next step is to use the Hello World tutorial as a basis for the creating a Relative Layout view. You can find the information about RelativeLayout here:

`http://developer.android.com/resources/tutorials/views/hello-relativelayout.html`

2.3 Notepad Tutorial

This tutorial is for experienced developers with Java:

`http://developer.android.com/resources/tutorials/notepad/index.html`