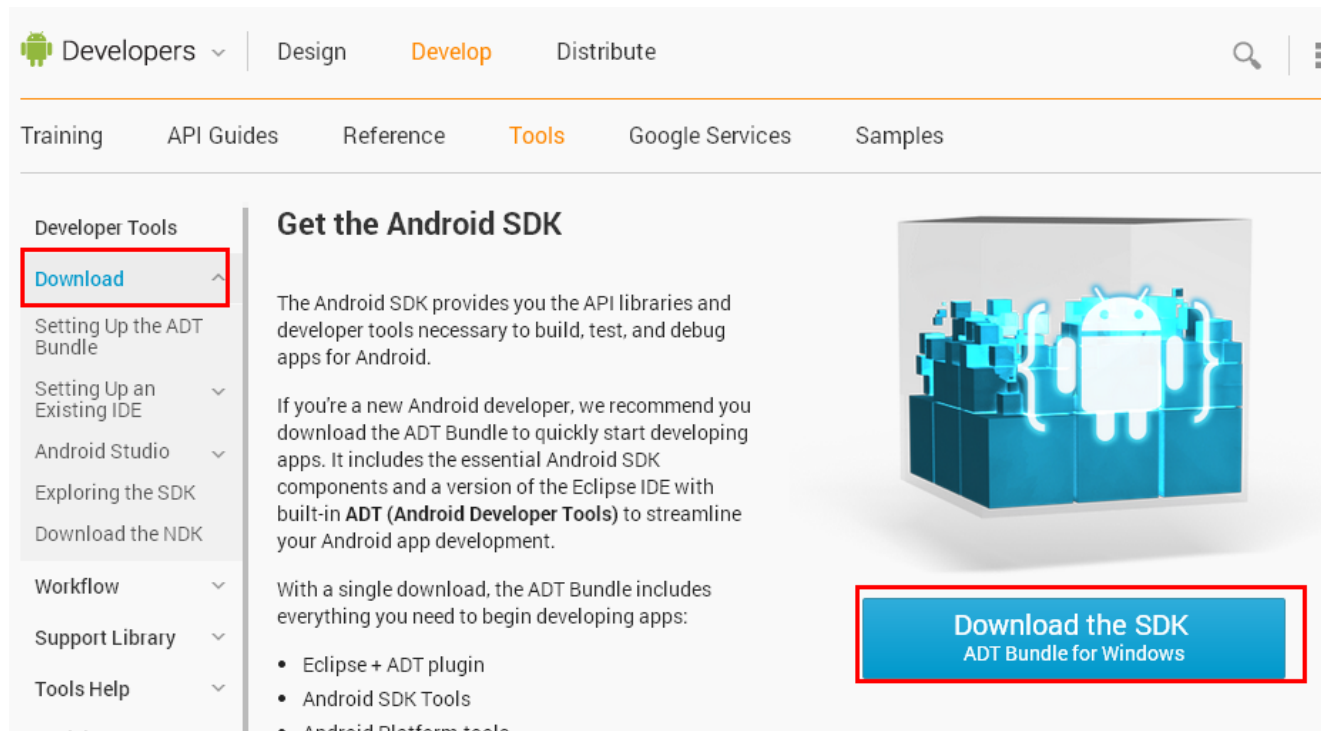


1、下载 android SDK 工具包 `adt-bundle-windows-x86`，<http://developer.android.com/sdk/index.html> 大概 4 百 M，里面包含 eclipse 和 SDK，eclipse 它已经集成好了 ADT。我的报名版本 `adt-bundle-windows-x86-20131030.zip`；解压缩 `adt-bundle-windows-x86` 包，我的路径是 `c:\Program Files\adt-bundle-windows-x86-20131030`，里面包含 `eclipse` 和 `sdk` 文件夹，还有一个 `SDK Manager`；



2. Accepting this License Agreement

2.1 In order to use the SDK, you must first agree to this License Agreement. You may not use the SDK if you do not accept this License Agreement.

2.2 By clicking to accept, you hereby agree to the terms of this License Agreement.

2.3 You may not use the SDK and may not accept the License Agreement if you are a person barred from receiving the SDK under the laws of the United States or other countries including the country in which you are resident or from which you use the SDK.

2.4 If you are agreeing to be bound by this License Agreement on behalf of your employer or other entity, you represent and warrant that you have full legal authority to bind your employer or such entity to this License Agreement. If you do not have the requisite authority, you may not accept the License Agreement or use the SDK on behalf of your employer or other entity.

☒ I have read and agree with the above terms and conditions

☒ 32-bit ☐ 64-bit

Download the SDK ADT Bundle for Windows

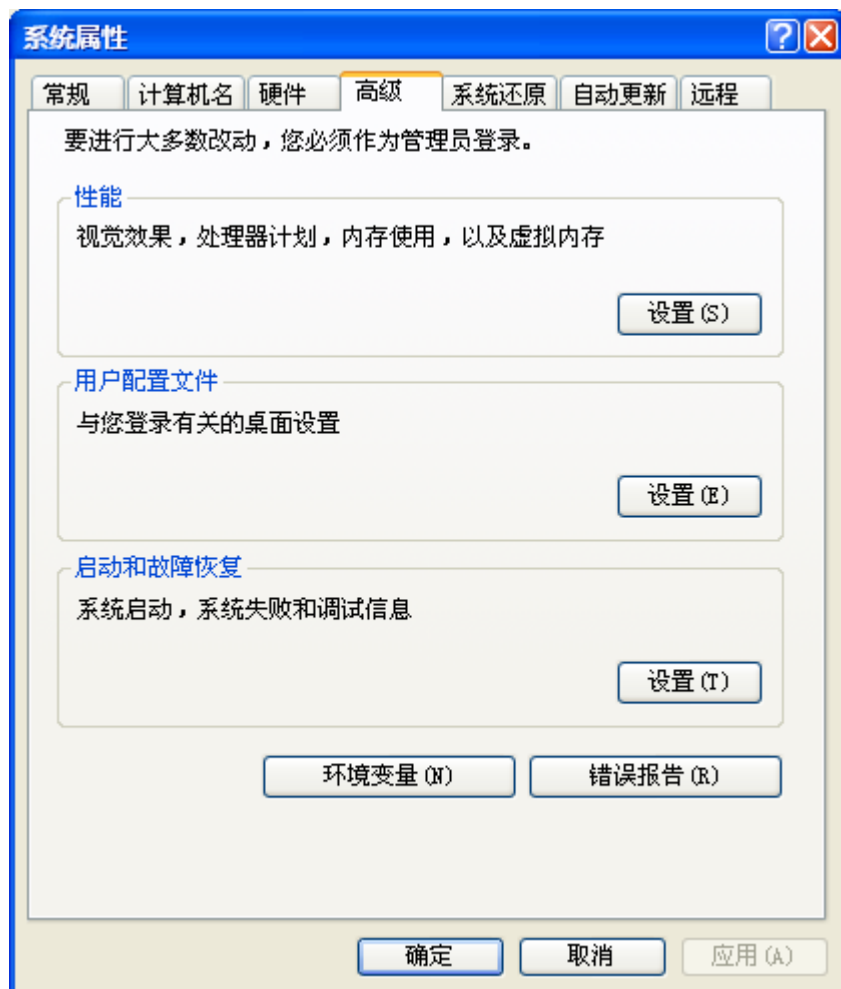
2、下载 JDK <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>

我们现在用的版本是 jdk-6u27-windows-i586.exe，双击默认进行安装即可





3、配置环境变量，桌面->计算机->右键属性->高级系统设置->高级->环境变量->administrator 的用户变量(具体和自己用户名有关)，新建或者编辑一下的变量（如已经存在就追加，不存在就新建，追加时注意用;号与之前的隔开）。



变量名: JAVA_HOME

变量值: c:\Program Files\Java\jdk1.6.0_27

变量名: ANDROID_SDK

变量值: c:\Program Files\adt-bundle-windows-x86-20131030

变量名: Path

变量值:

.;%JAVA_HOME%\bin;c:\Program Files\adt-bundle-windows-x86-20131030\jdk\tools;c:\Program Files\adt-bundle-windows-x86-20130729\jdk\platform-tools;

变量名: CLASSPATH

变量值: .;%JAVA_HOME%\lib\tools.jar;%JAVA_HOME%\lib\dt.jar;%JAVA_HOME%\lib;

(注意前面的.号)

4、测试环境变量

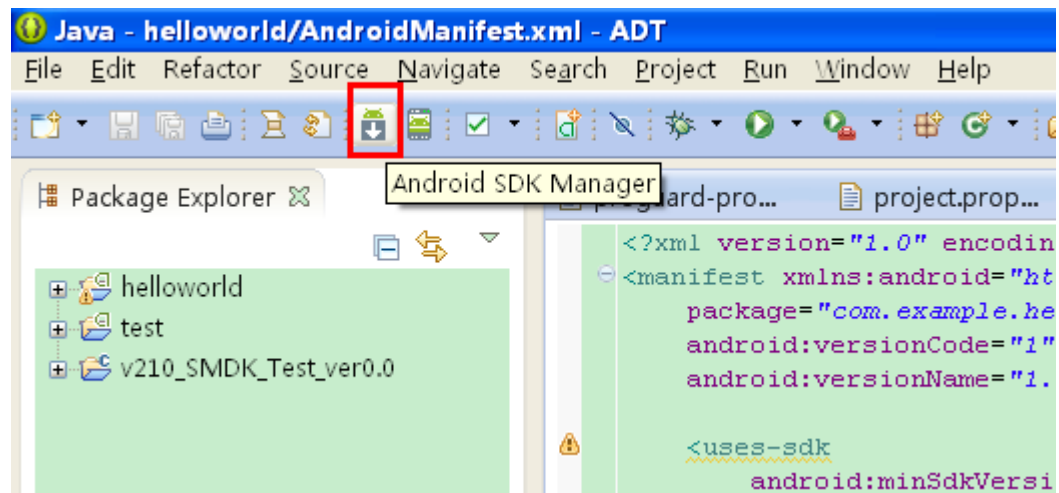
运行->cmd, 输入 java 或者 javac 测试命令看成功与否;

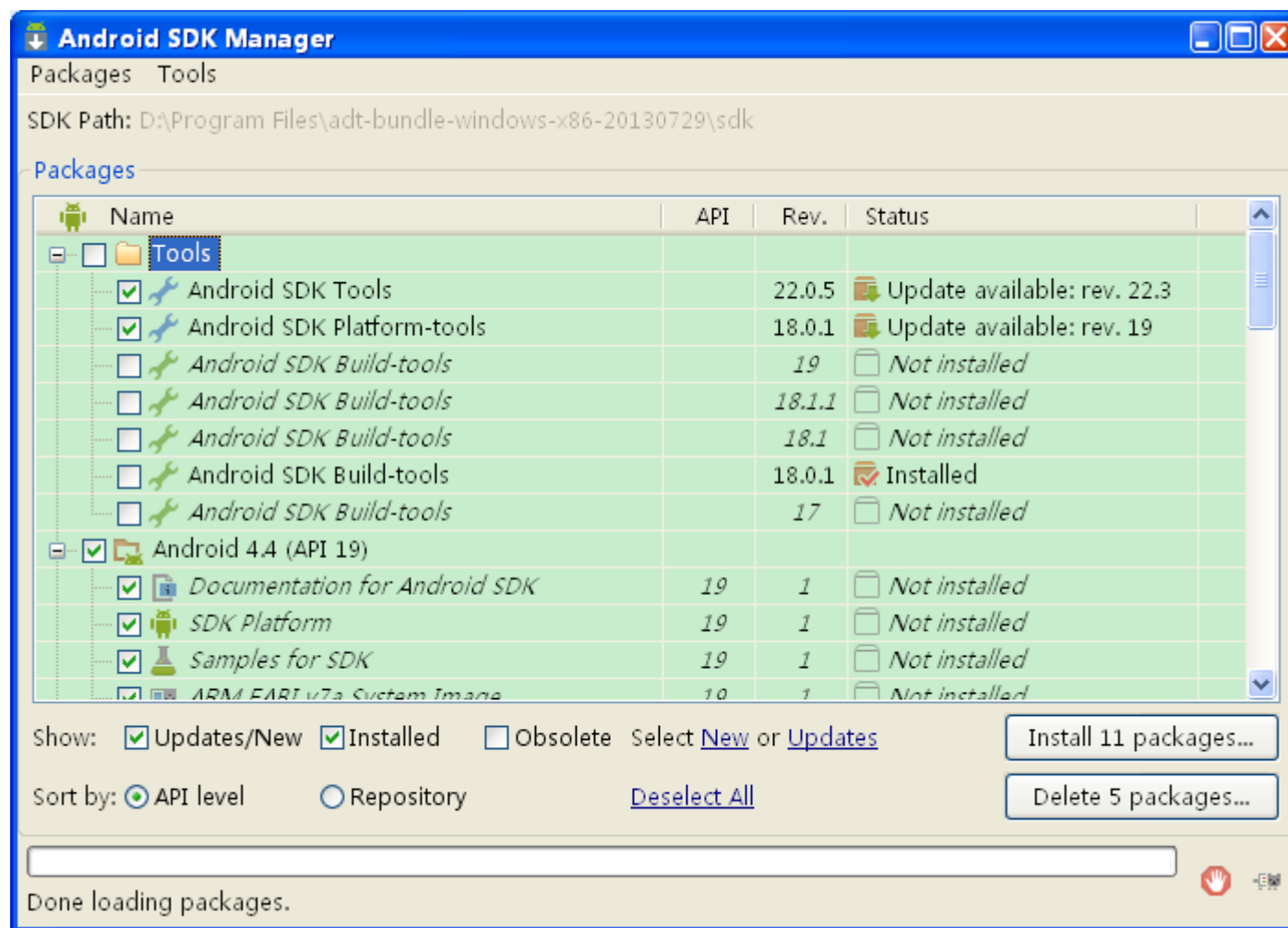
```
C:\windows\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>javac
用法: javac <选项> <源文件>
其中, 可能的选项包括:
-g 生成所有调试信息
-g:none 不生成任何调试信息
-g:<lines,vars,source> 只生成某些调试信息
-nowarn 不生成任何警告
-verbose 输出有关编译器正在执行的操作的消息
-deprecation 输出使用已过时的 API 的源位置
-classpath <路径> 指定查找用户类文件和注释处理程序的位置
-cp <路径> 指定查找用户类文件和注释处理程序的位置
-sourcepath <路径> 指定查找输入源文件的位置
-bootclasspath <路径> 覆盖引导类文件的位置
-extdirs <目录> 覆盖安装的扩展目录的位置
-endorseddirs <目录> 覆盖签名的标准路径的位置
-proc:<none,only> 控制是否执行注释处理和/或编译。
-processor <class1>[,<class2>,<class3>...1 要运行的注释处理程序的名称; 绕过默认
的搜索进程
-processorpath <路径> 指定查找注释处理程序的位置
-d <目录> 指定存放生成的类文件的位置
-s <目录> 指定存放生成的源文件的位置
-implicit:<none,class> 指定是否为隐式引用文件生成类文件
```

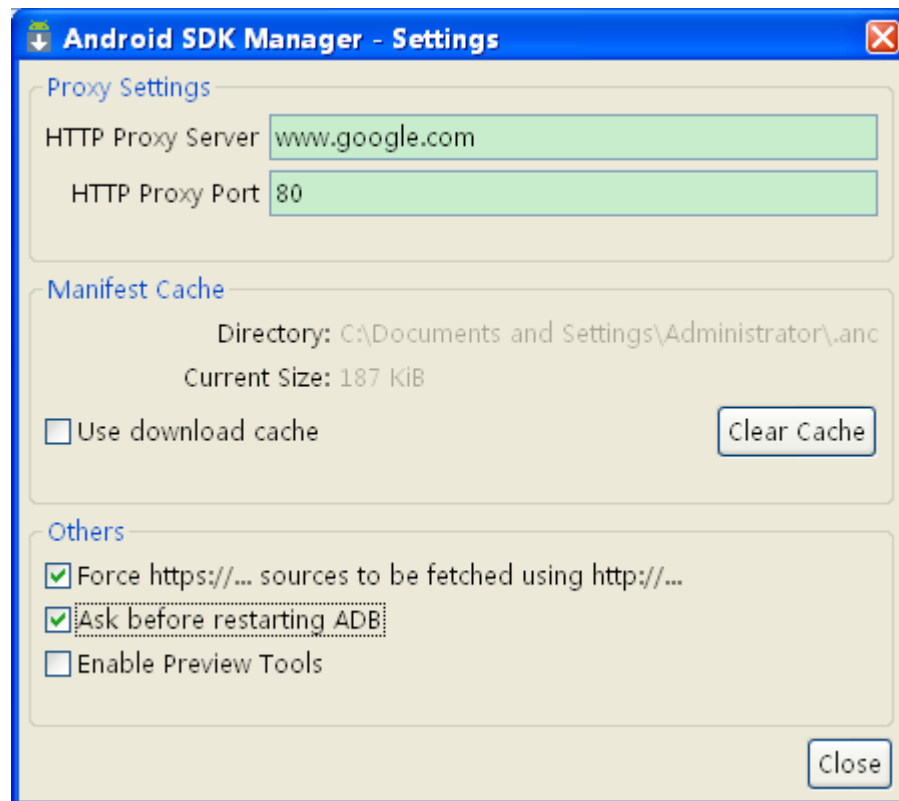
5、相关的 sdk 更新

运行 c:\Program Files\adt-bundle-windows-x86-20130729\eclipse 下的 eclipse, 再点击 SDK manager

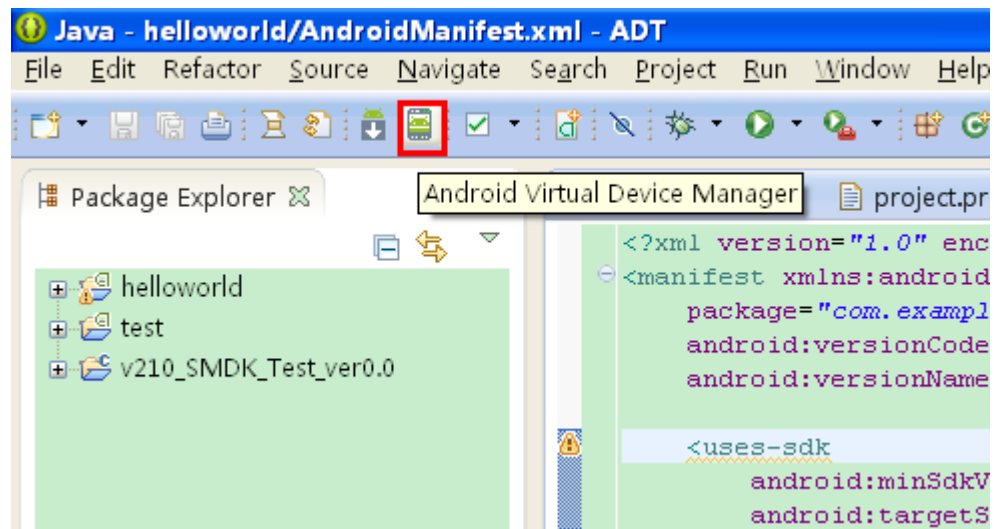


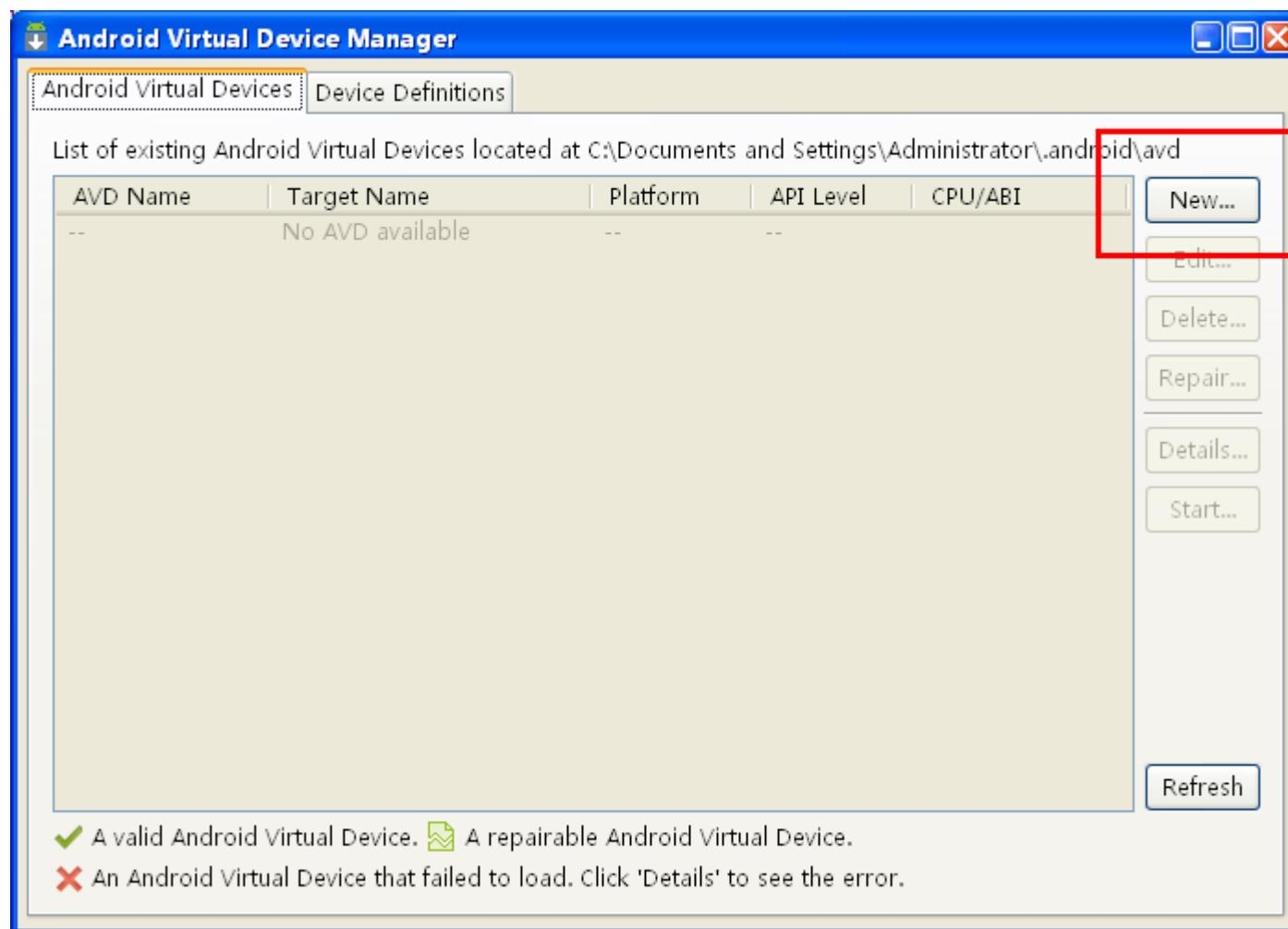


有些更新的网站或者端口被和谐了，我们就不能刷新 API Level，我们要先设置一下更新的网站和端口，点击 tools->options，设置如下：



6、配置 android 模拟器
打开 AVD 管理器





 Edit Android Virtual Device (AVD) 

AVD Name:

android4.2.2

Device:

3.2" HVGA slider (ADP1) (320 × 480: mdpi) ▾

Target:

Android 4.2.2 - API Level 17 ▾

CPU/ABI:

ARM (armeabi-v7a) ▾

Keyboard:

☒ Hardware keyboard present

Skin:

☒ Display a skin with hardware controls

Front Camera:

None ▾

Back Camera:

None ▾

Memory Options:

RAM: 512

VM Heap: 16

Internal Storage:

200

MiB ▾

SD Card:

☒ Size: MiB ▾

☐ File:

Browse...

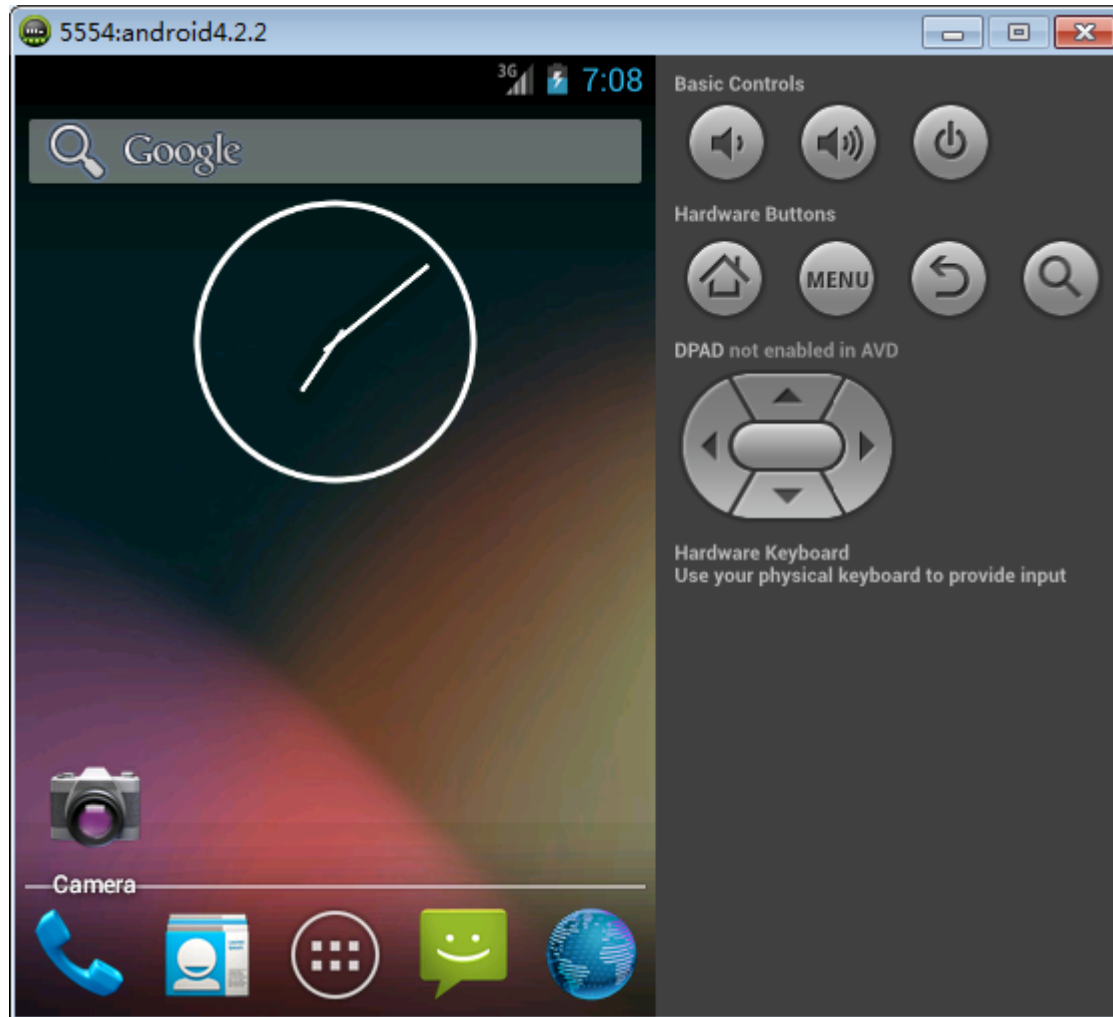
Emulation Options:

☐ Snapshot

☐ Use Host GPU

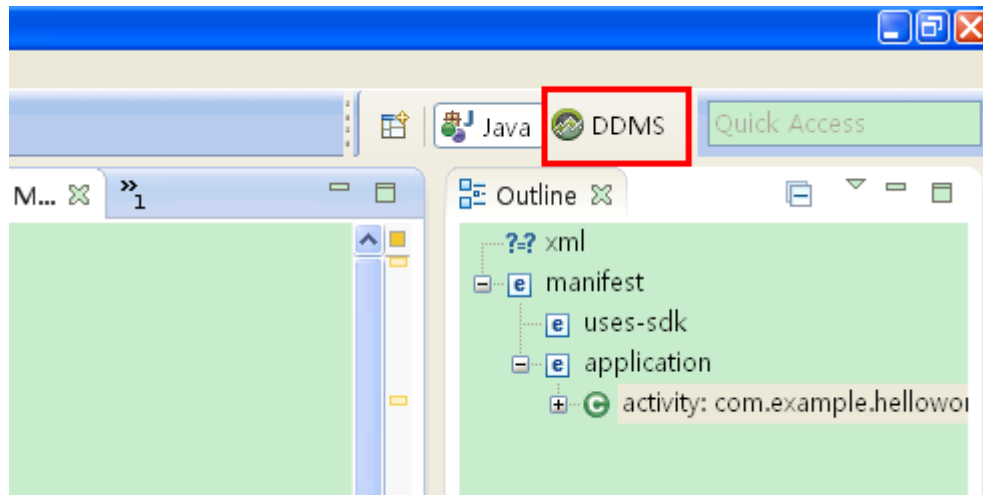
☐ Override the existing AVD with the same name

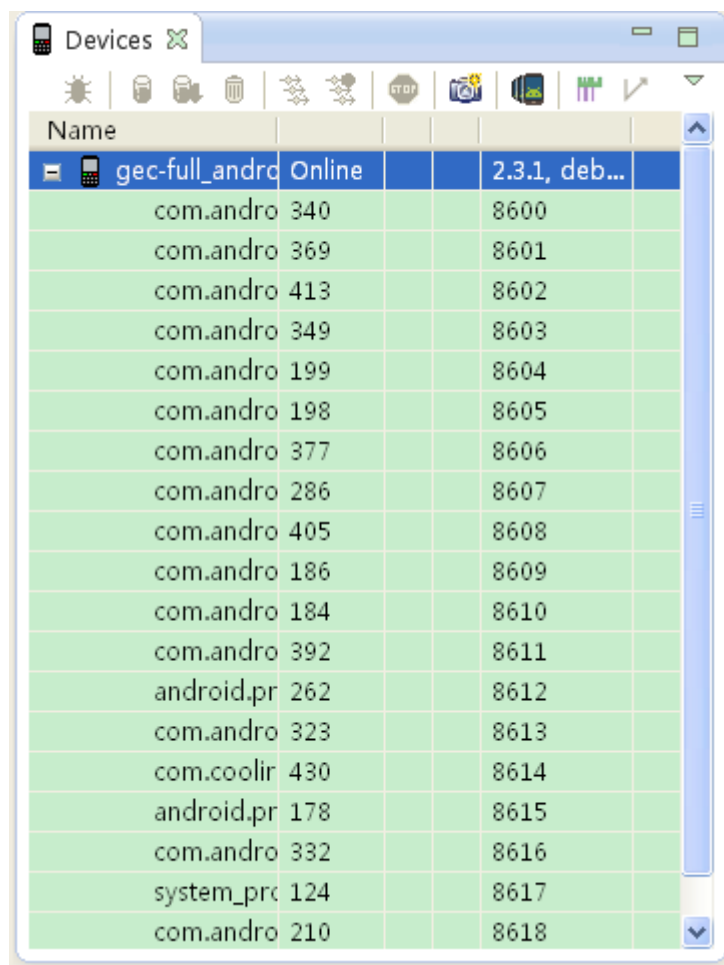
点击 start，运行模拟器



真机调试

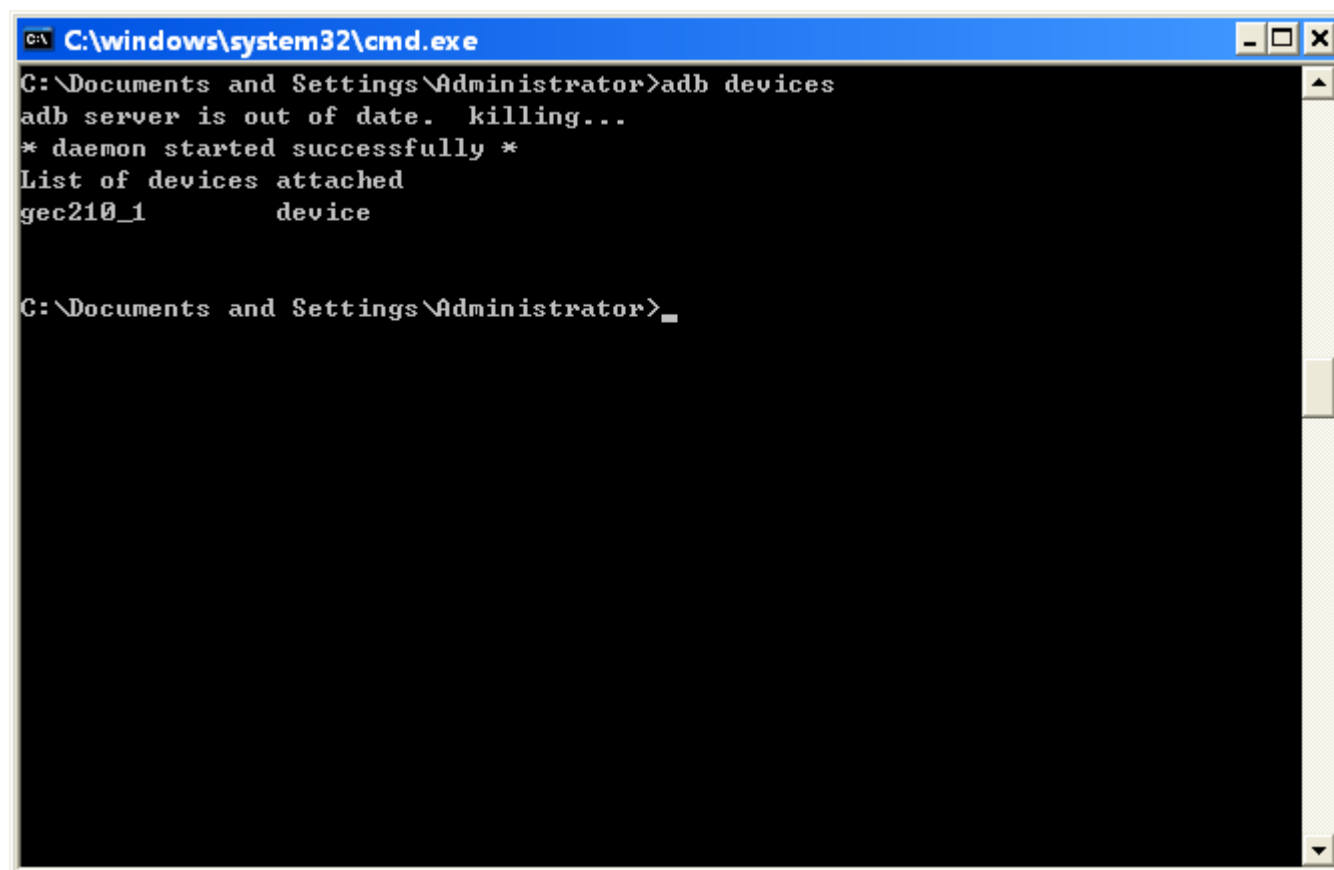
当实验箱开机之后，连接 usb 插入电脑，提示有新的硬件，安装好驱动即可。安装好驱动之后，我们可以点击 eclipse 来查看我们的设备。





Devices				
Name				
	gec-full_andro	Online		2.3.1, deb...
	com.andro	340		8600
	com.andro	369		8601
	com.andro	413		8602
	com.andro	349		8603
	com.andro	199		8604
	com.andro	198		8605
	com.andro	377		8606
	com.andro	286		8607
	com.andro	405		8608
	com.andro	186		8609
	com.andro	184		8610
	com.andro	392		8611
	android.pr	262		8612
	com.andro	323		8613
	com.coolir	430		8614
	android.pr	178		8615
	com.andro	332		8616
	system_pre	124		8617
	com.andro	210		8618

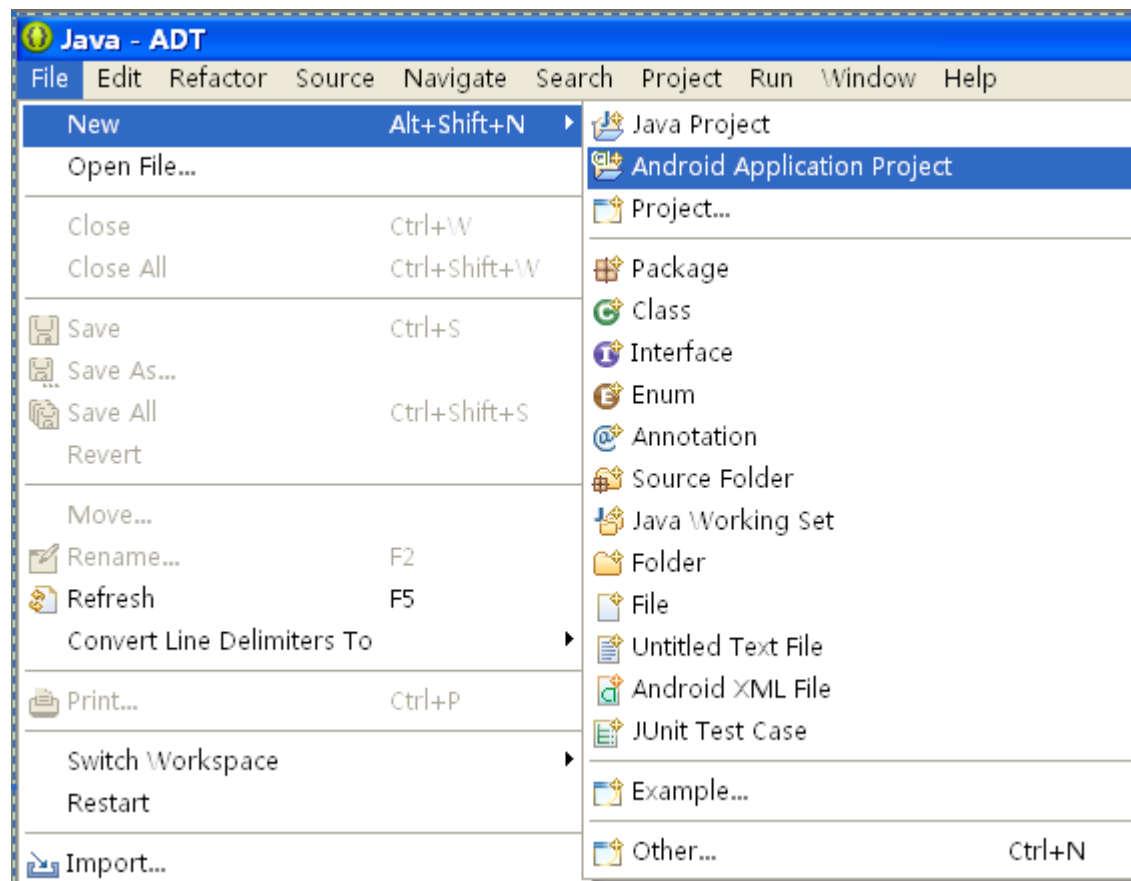
或者用命令行，输入 `adb devices` 就可以看到连接到系统的设备。



```
C:\windows\system32\cmd.exe
C:\Documents and Settings\Administrator>adb devices
adb server is out of date.  killing...
* daemon started successfully *
List of devices attached
gec210_1      device

C:\Documents and Settings\Administrator>
```

8、新建 HelloWorld，一直下一步：



New Android Application

New Android Application

The application name for most apps begins with an uppercase letter

Application Name:

helloworld

Project Name:

helloworld

Package Name:

com.example.helloworld

Minimum Required SDK:

API 8: Android 2.2 (Froyo)

Target SDK:

API 17: Android 4.2 (Jelly Bean)

Compile With:

API 18: Android 4.3 (Jelly Bean)

Theme:

Holo Light with Dark Action Bar

The application name is shown in the Play Store, as well as in the Manage Application list in Settings.

< Back

Next >

Finish

Cancel

New Android Application

New Android Application

Configure Project



☒ Create custom launcher icon

☒ Create activity

☐ Mark this project as a library

☒ Create Project in Workspace

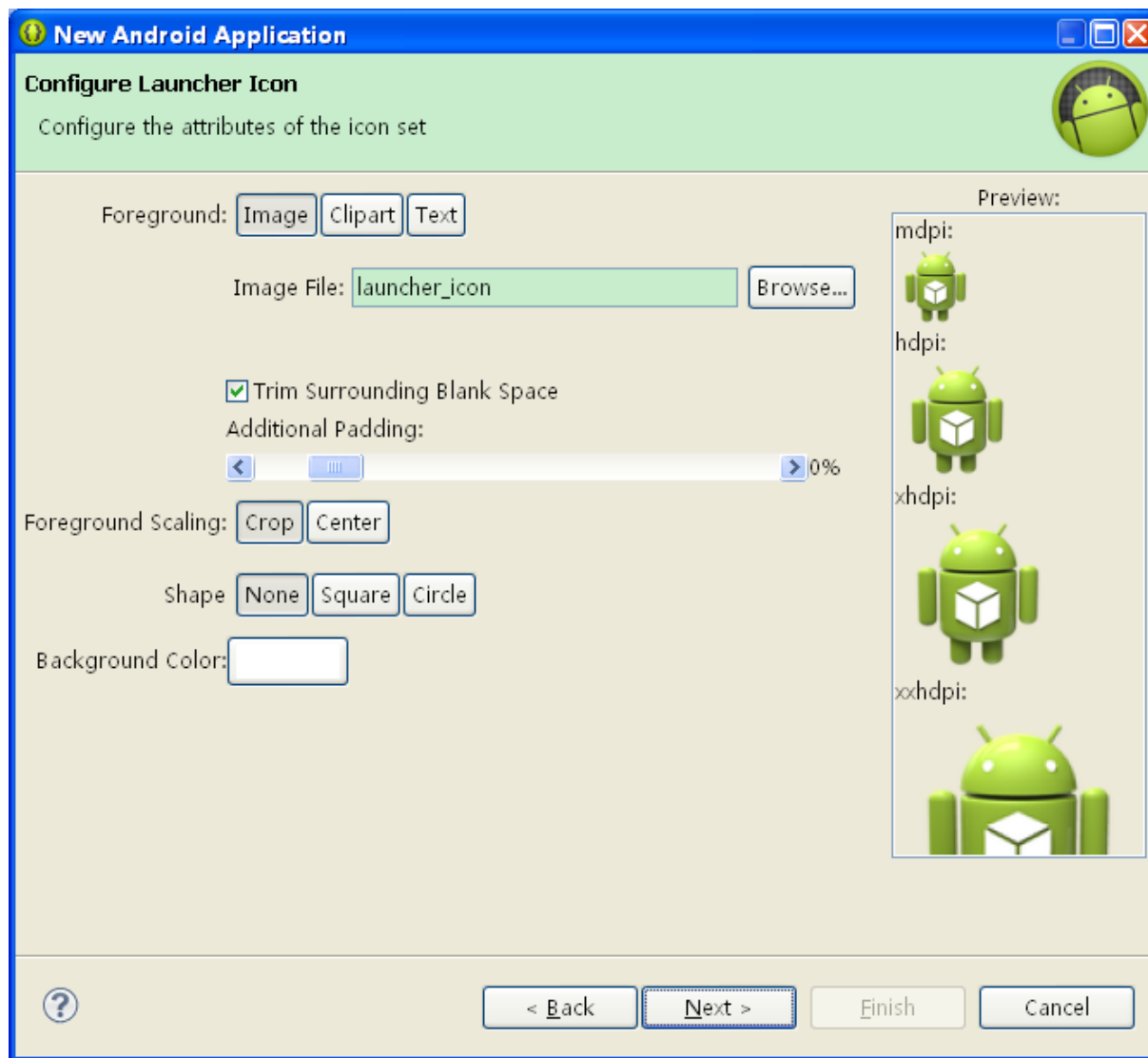
Location:

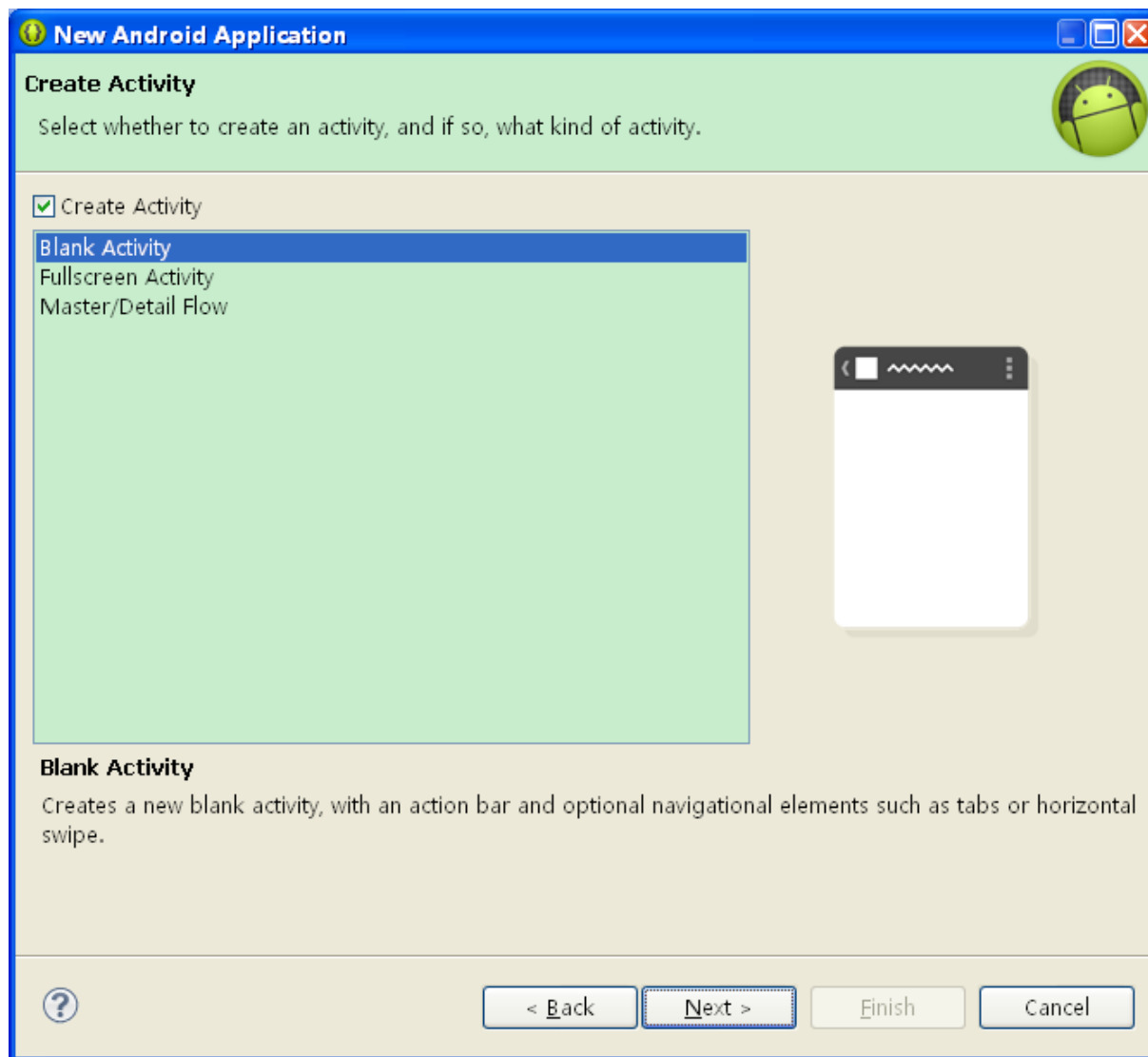
Working sets

☐ Add project to working sets

Working sets:







New Android Application

Blank Activity

Creates a new blank activity, with an action bar and optional navigational elements such as tabs or horizontal swipe.



Activity Name

Layout Name

Navigation Type



 The name of the activity class to create



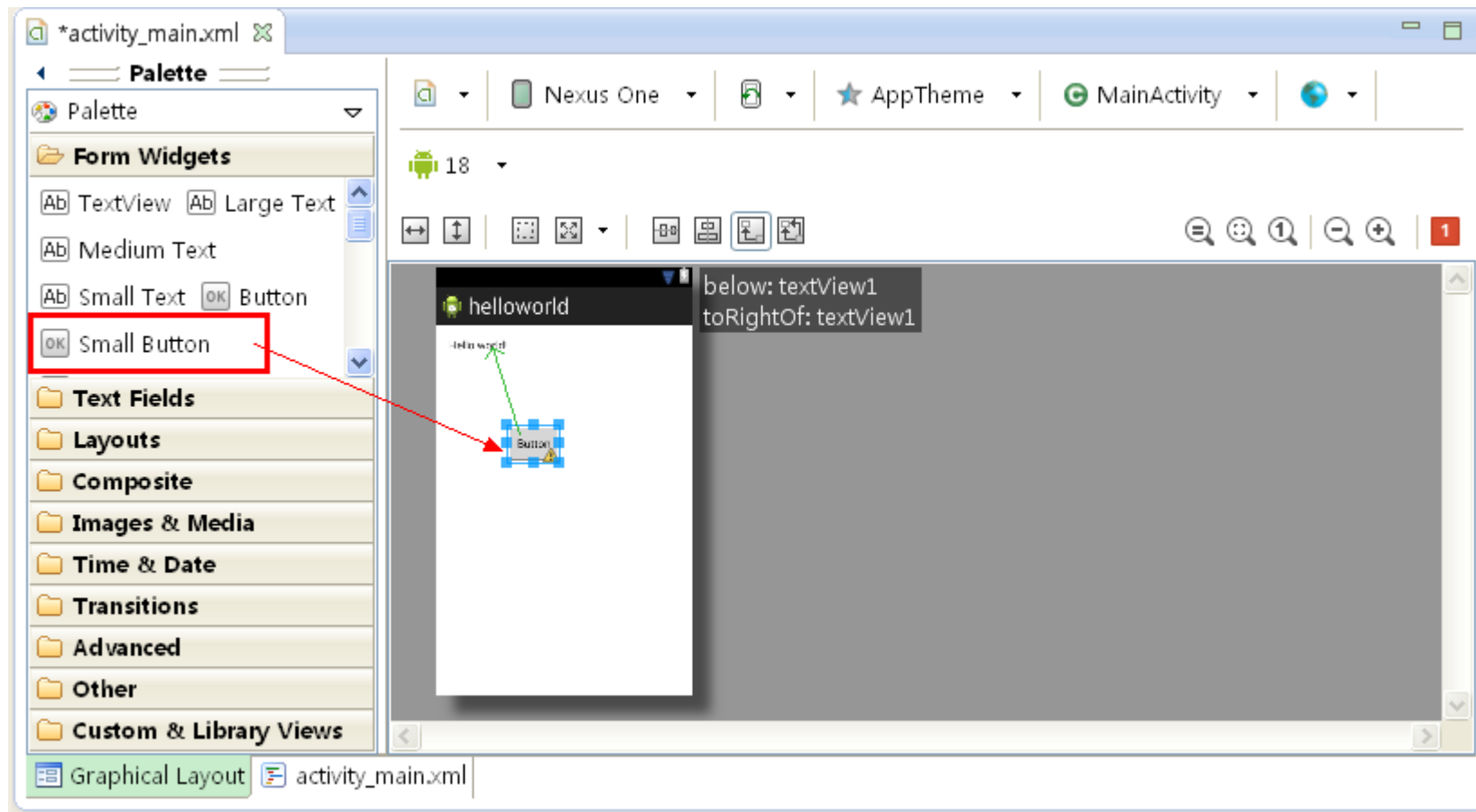
< Back

Next >

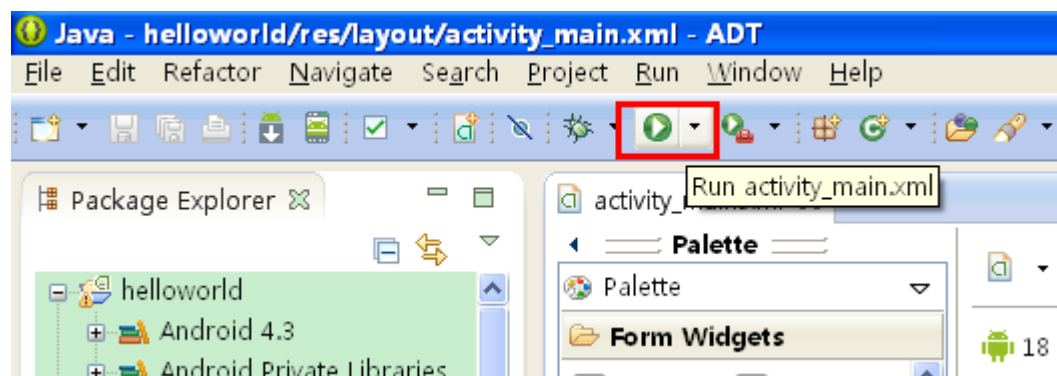
Finish

Cancel

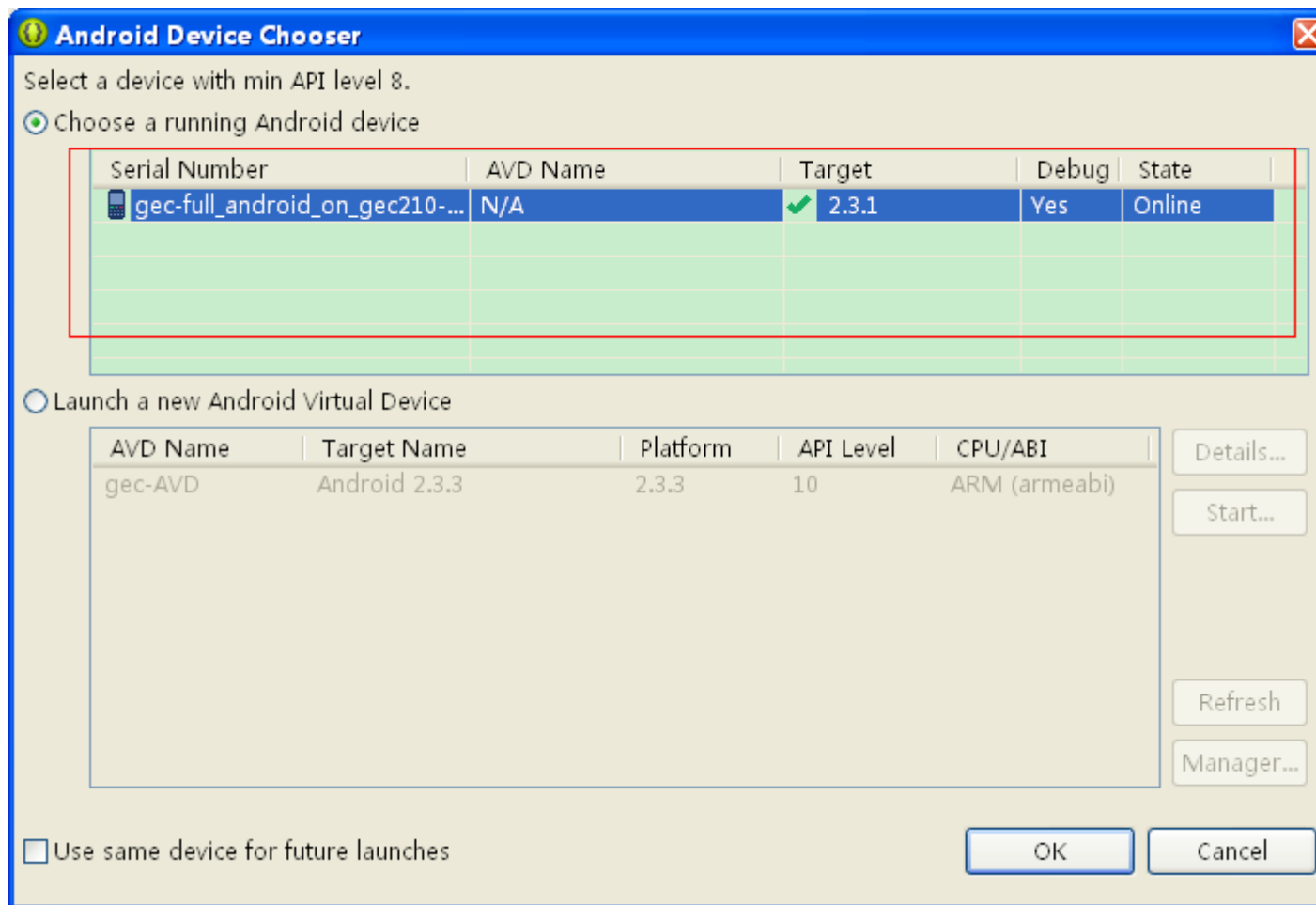
我们可以将对应的一些控件拖动到设计界面上面。设置好之后，保存。



然后我们点击运行，



Eclipse 会显示我们现在已经连接的 android 设备，如果连接了我们的实验箱，会出现下面的选项。点击 OK 之后，就会通过 usb 将应用下载到开发板



或者使用命令的方式安装，命令是：adb install helloworld.apk

```
C:\windows\system32\cmd.exe
D:\android\helloworld\bin>dir
驱动器 D 中的卷是 work
卷的序列号是 183B-648F

D:\android\helloworld\bin 的目录

2013-11-27  18:01    <DIR>          .
2013-11-27  18:01    <DIR>          ..
2013-11-27  17:58             886 AndroidManifest.xml
2013-11-27  17:58    <DIR>          classes
2013-11-27  18:01      621,452 classes.dex
2013-10-05  21:42    <DIR>          dexedLibs
2013-11-27  18:01      255,806 helloworld.apk
2013-11-27  17:58        120 jarlist.cache
2013-10-05  21:42    <DIR>          res
2013-11-27  18:01      41,030 resources.ap_
          5 个文件          919,294 字节
          5 个目录 95,452,061,696 可用字节

D:\android\helloworld\bin>adb install helloworld.apk
666 KB/s (0 bytes in 255806.000s)
  pkg: /data/local/tmp/helloworld.apk
Success

D:\android\helloworld\bin>
```