

Windows7 部署 Android 开发环境傻瓜式教程 (Eclipse + ADT)

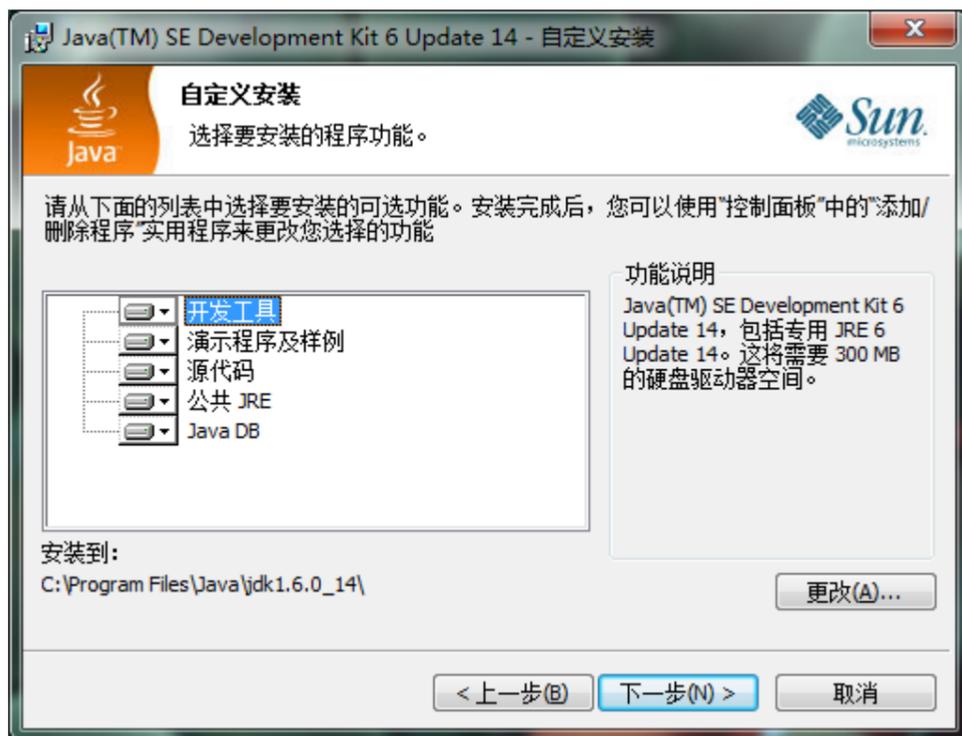
准备文件:

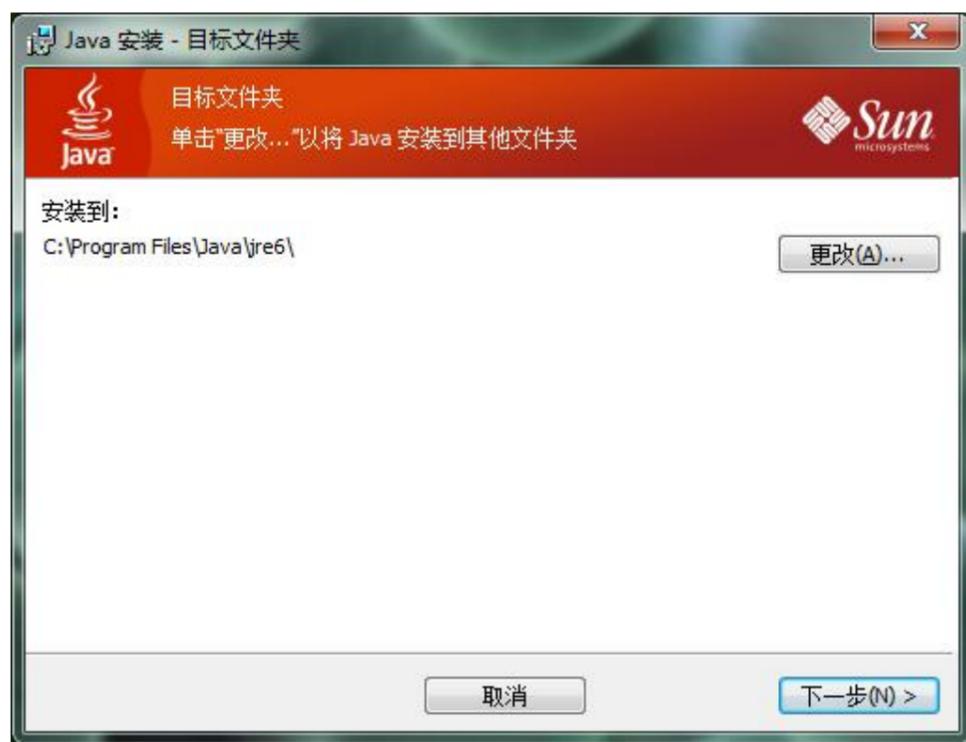
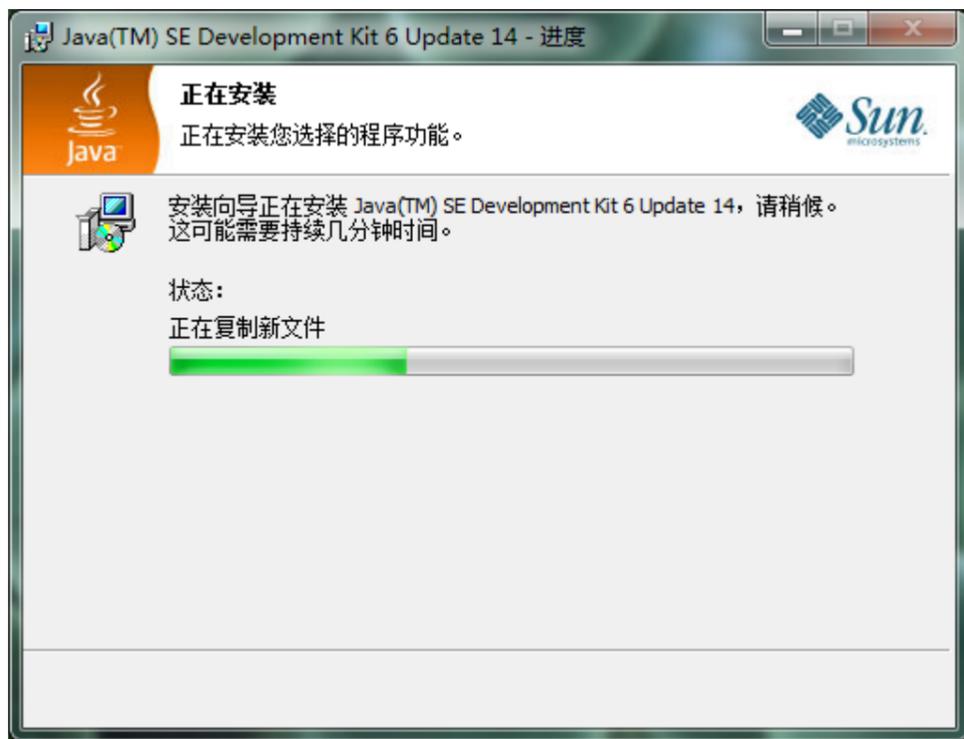
名称	修改日期	大小
ADT-0.9.6.zip	2010-03-31 22:54	7,282 KB
android-sdk-windows-1.5_r3.zip	2010-03-31 22:55	186,991 KB
Eclipse3.4.1.zip	2009-03-09 15:10	155,316 KB
jdk-6u14-windows-i586.exe	2009-06-21 22:19	75,242 KB

WIN7 的安装方法与 XP 的安装方式完全相同。

1、安装 JDK

运行 jdk-6u14-windows-i586.exe





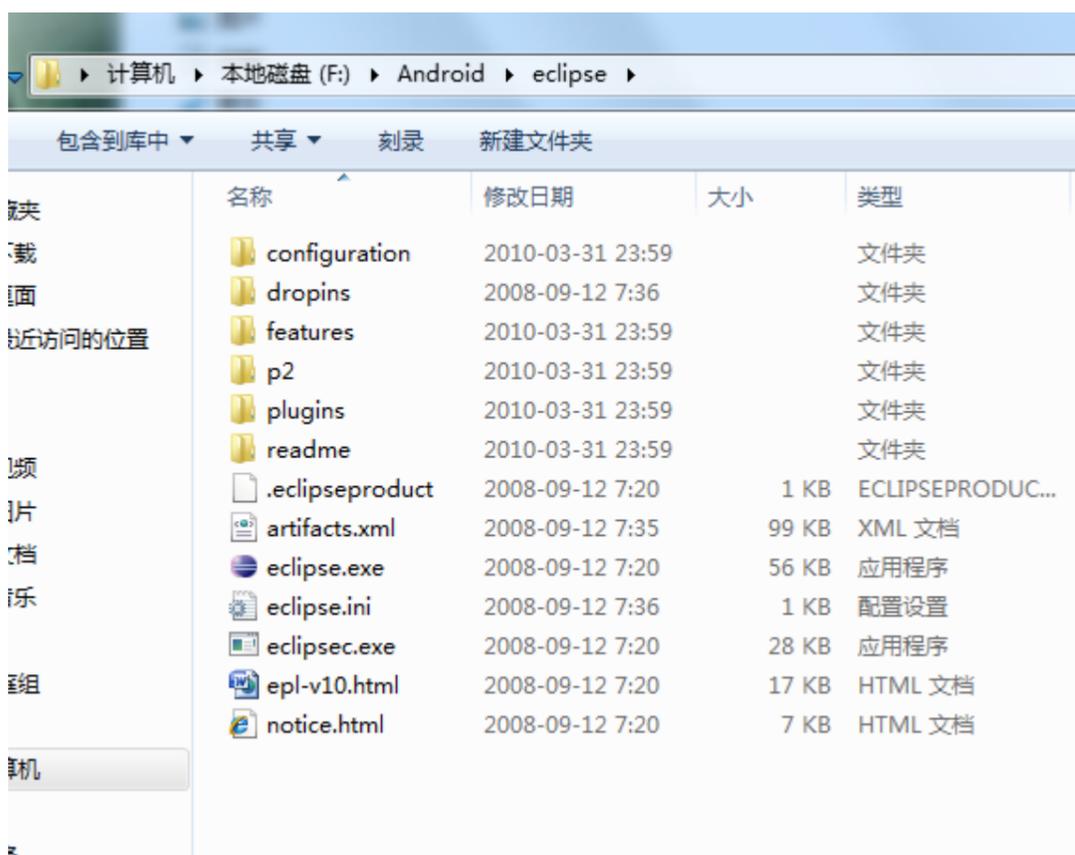


检查 JDK 是否安装成功。打开 cmd 窗口, 输入 `java -version` 查看 JDK 的版本信息。

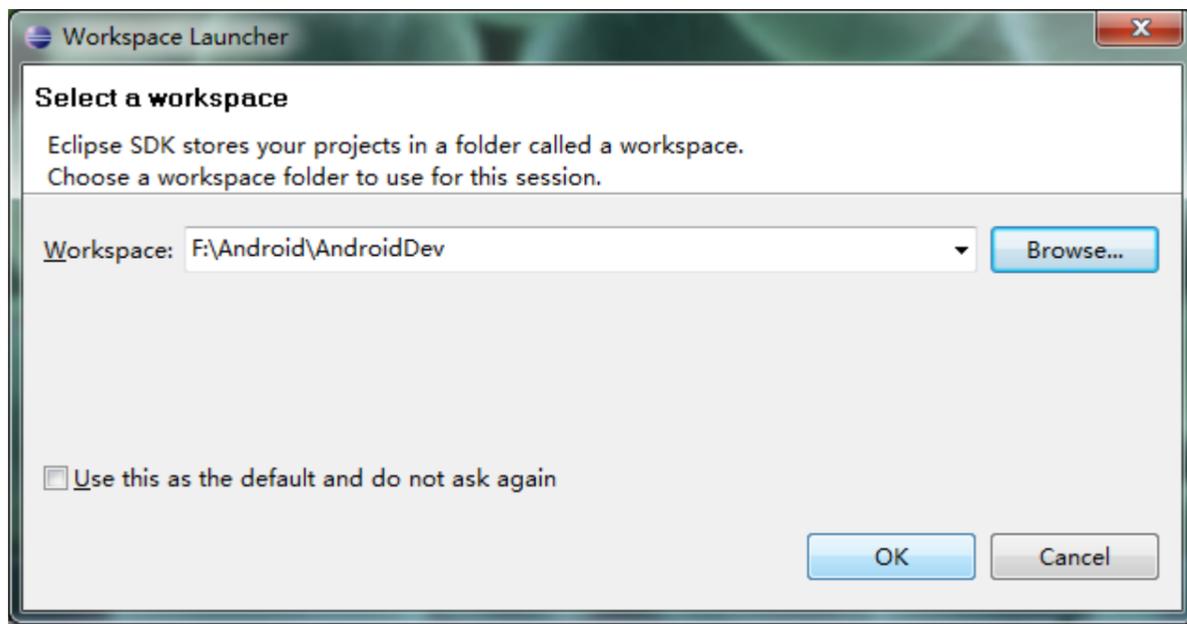


2、安装 Eclipse

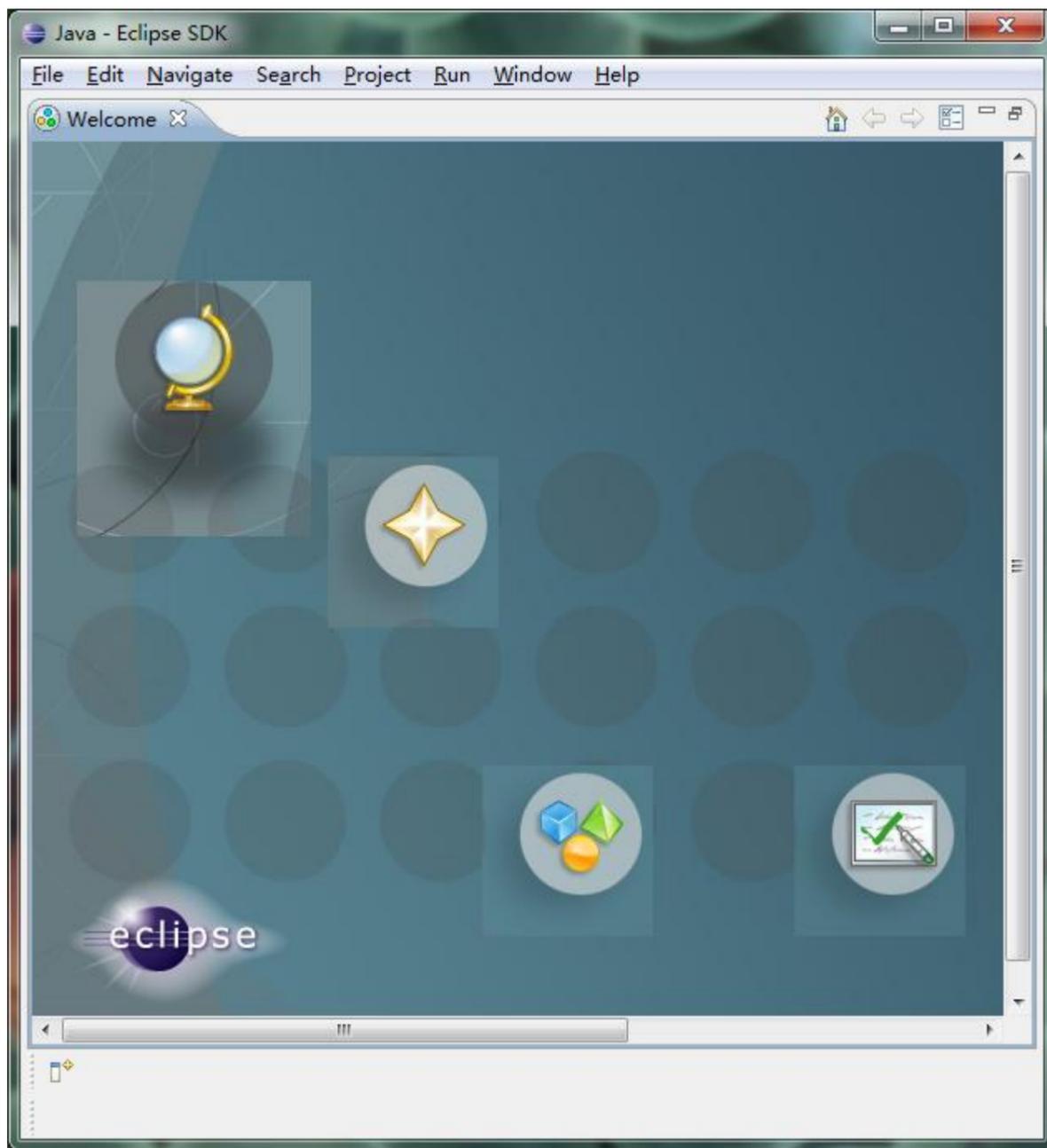
直接解压缩 Eclipse3.4.1.zip 到指定目录 如: F:\Android\eclipse



运行 `eclipse.exe`, 设置 Workspace, 指定一个开发目录给它就可以了

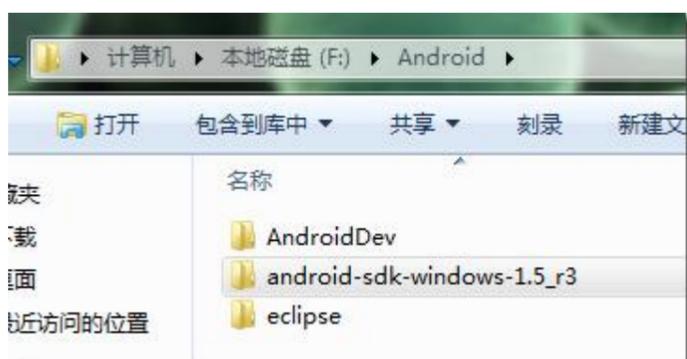


看到如下界面，Eclipse 安装完毕



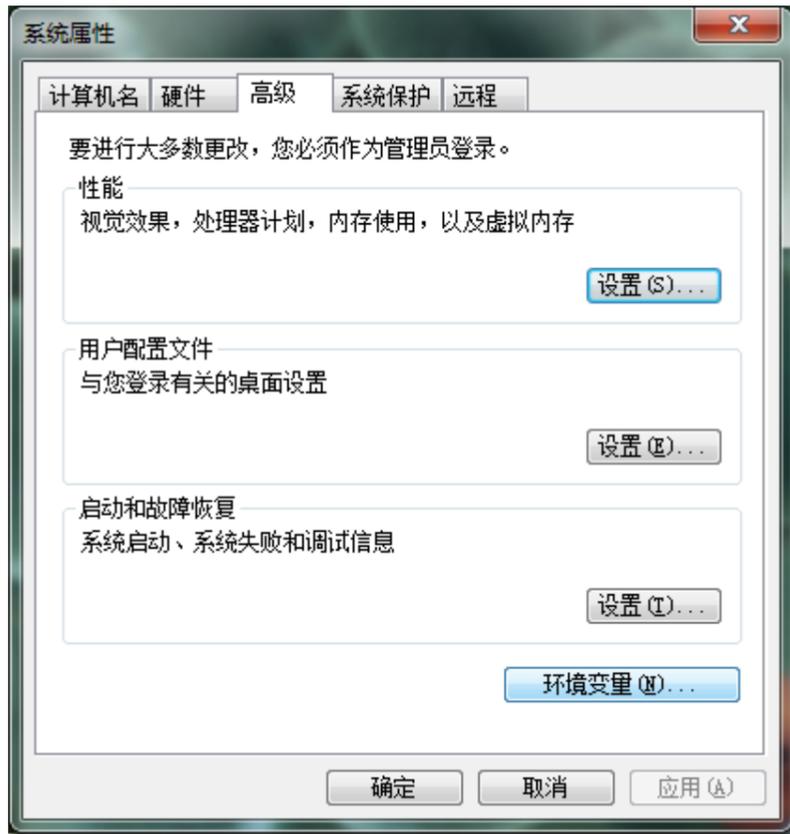
3、安装 android-sdk-windows-1.5_r3.zip

Android SDK 同 Eclipse 一样，直接解压缩就可以，我把解压缩到文件夹 F:\Android 中

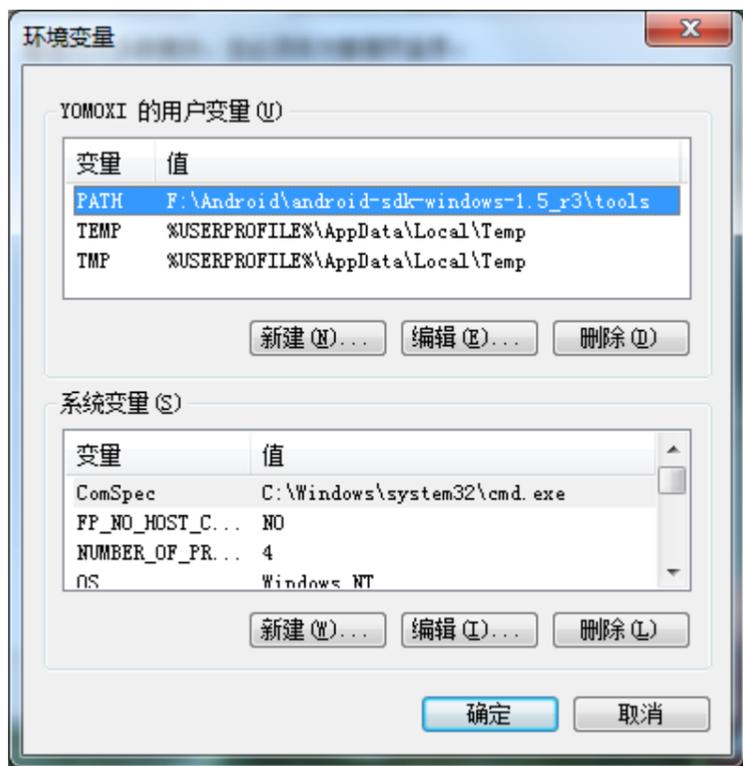


将 Android SDK 中的 tools 绝对路径添加到系统 PATH 中。

打开“系统属性”选择“环境变量”



添加环境变量 PATH 值为 SDK 中 tools 的绝对路径，如下图



“确定”后，重新启动计算机。

重启计算机以后，进入 cmd 命令窗口，检查 SDK 是不是安装成功。

运行 `android -h` 如果有以下输出，表明安装成功。

```
管理员: C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7600]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\YOMOXI>android -h

Usage:
  android [global options] action [action options]

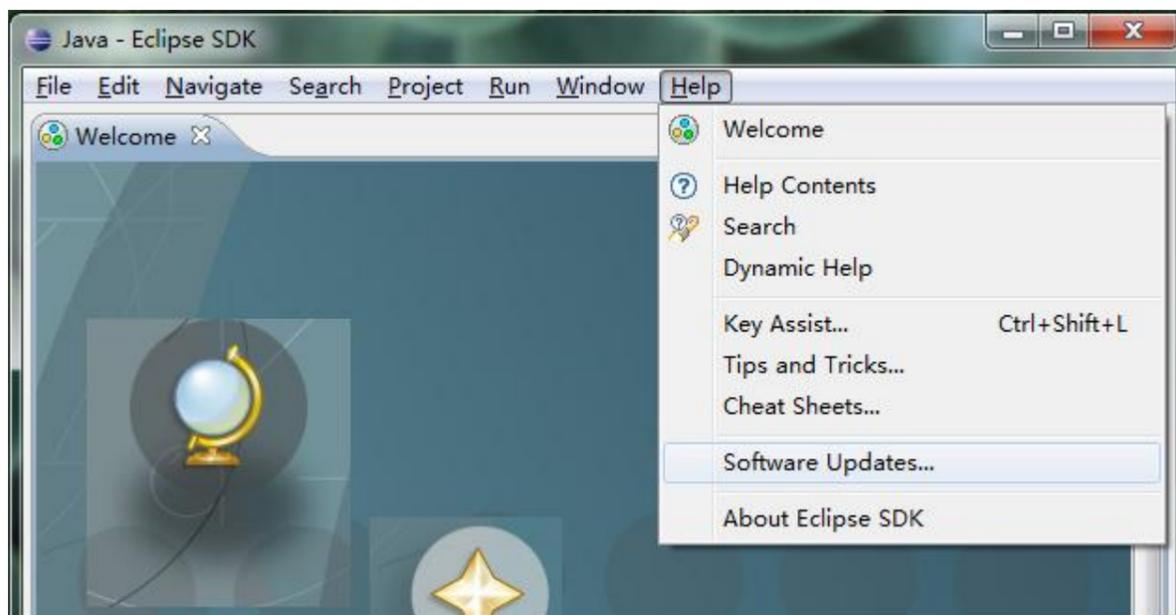
Global options:
  -h --help      This help.
  -s --silent    Silent mode: only errors are printed out.
  -v --verbose   Verbose mode: errors, warnings and informational messages are printed.

Valid actions are composed of a verb and an optional direct object:
- list          : Lists existing targets or virtual devices.
- list avd      : Lists existing Android Virtual Devices.
- list target   : Lists existing targets.
- create avd    : Creates a new Android Virtual Device.
- move avd      : Moves or renames an Android Virtual Device.
- delete avd    : Deletes an Android Virtual Device.
- update avd    : Updates an Android Virtual Device to match the folders of a new SDK.
- create project: Creates a new Android Project.
- update project: Updates an Android Project (must have an AndroidManifest.xml).
```

4、安装 Android Development Tools (ADT)

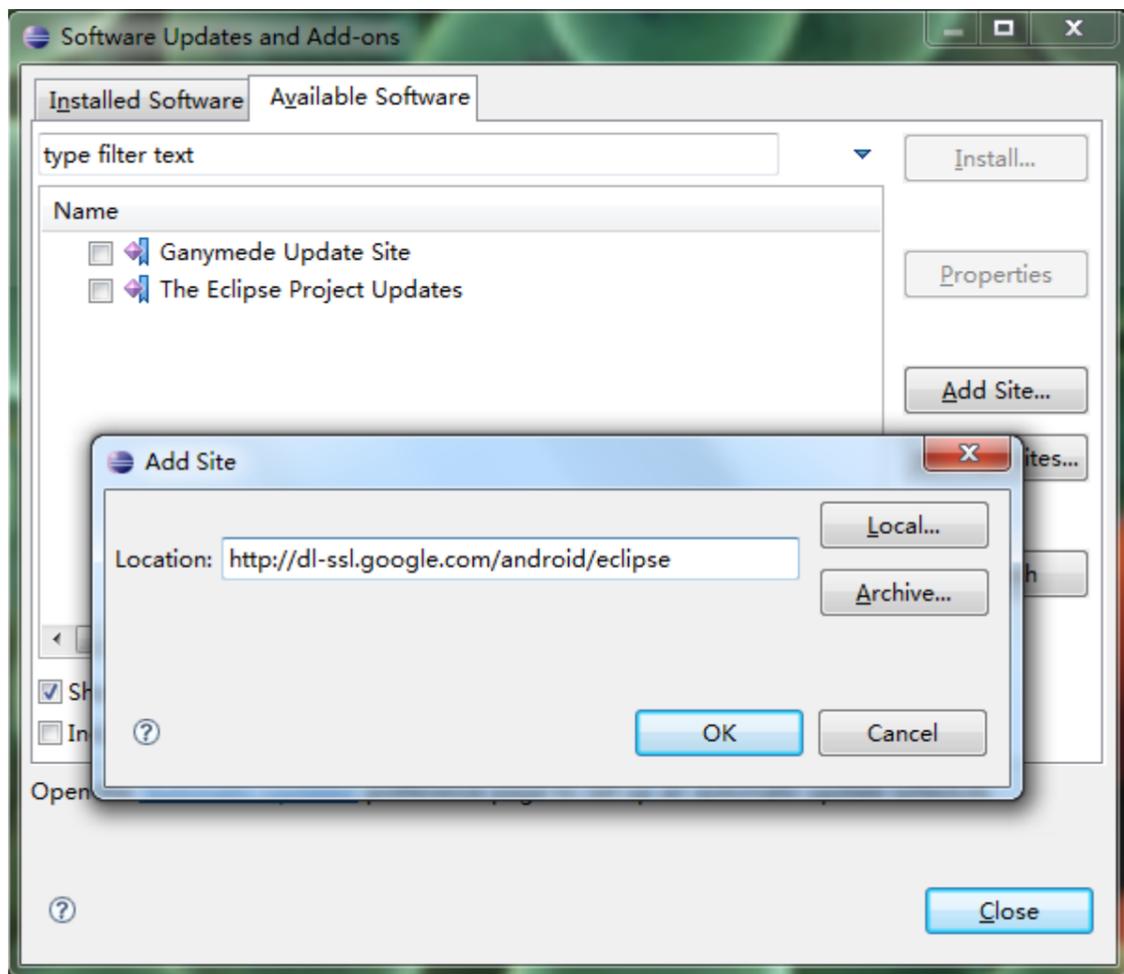
打开 Eclipse IDE

进入菜单中的 "Help" -> "Software Updates"

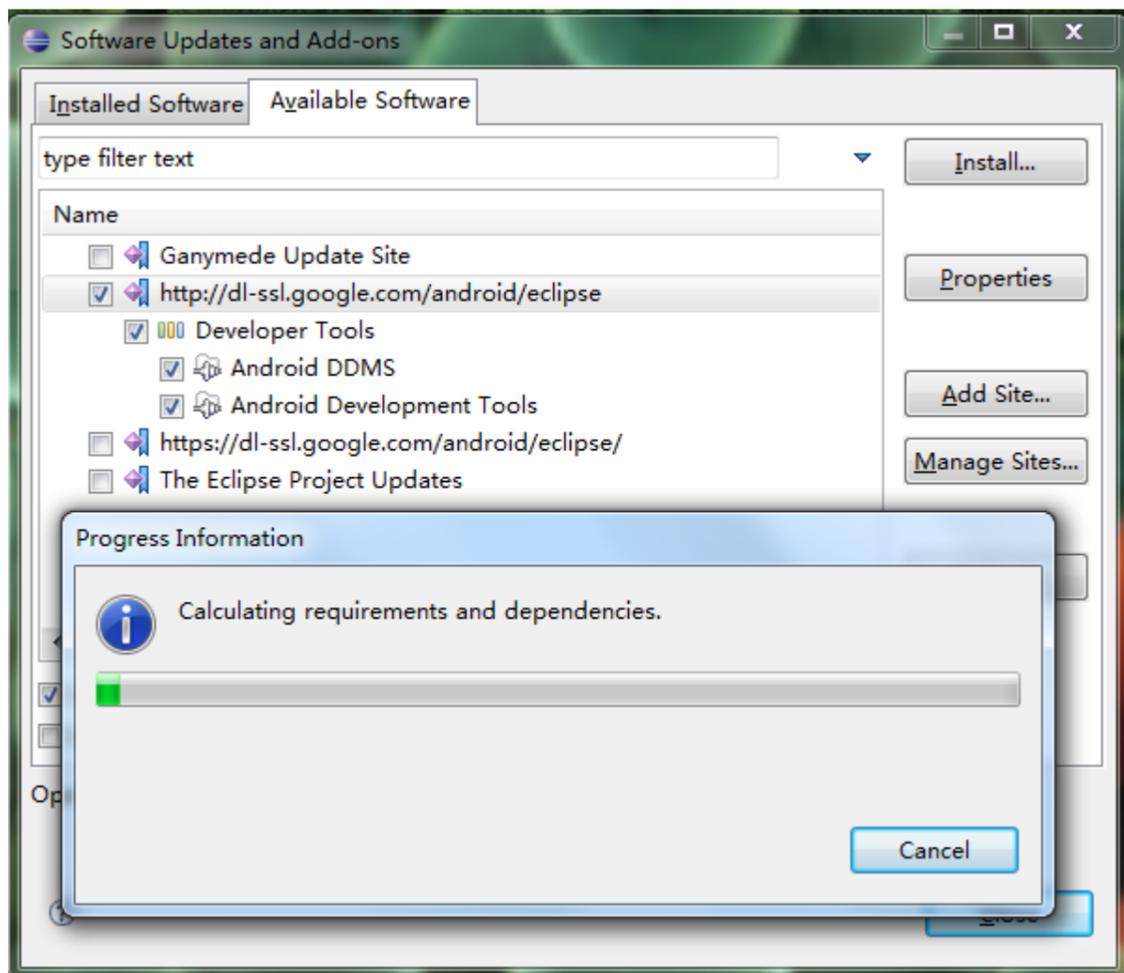


进入选项卡 "Available Software" -> "Add Site" -> "Location:"输入

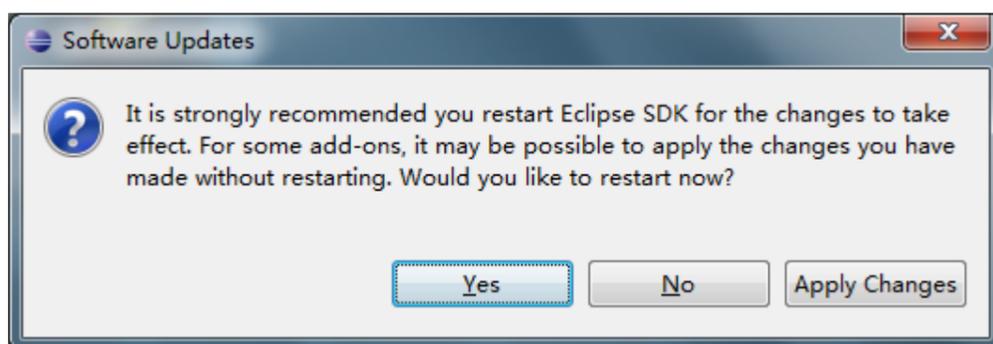
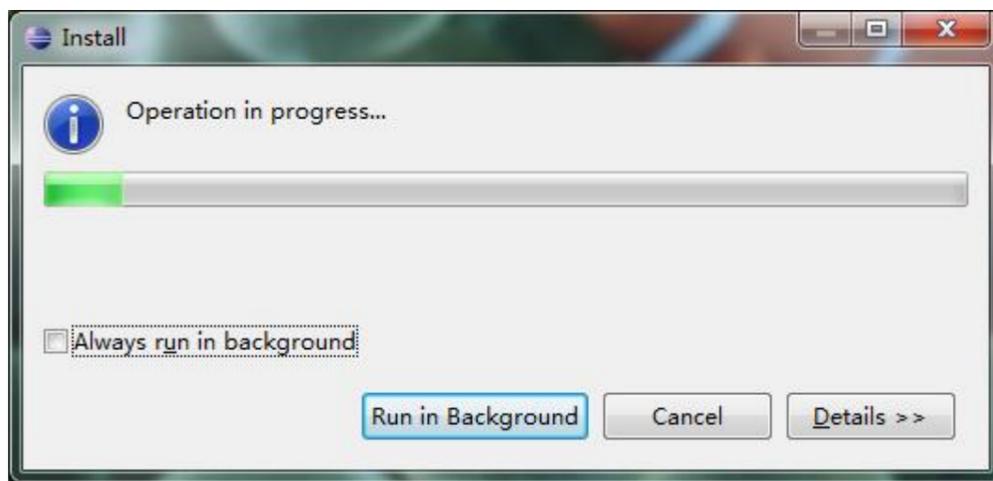
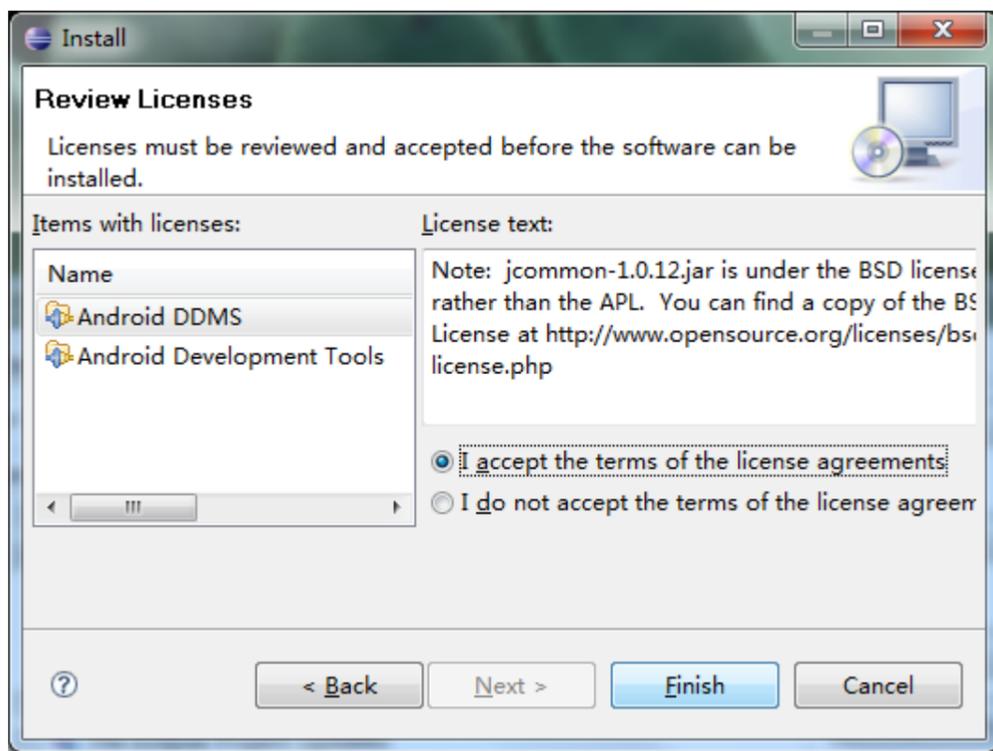
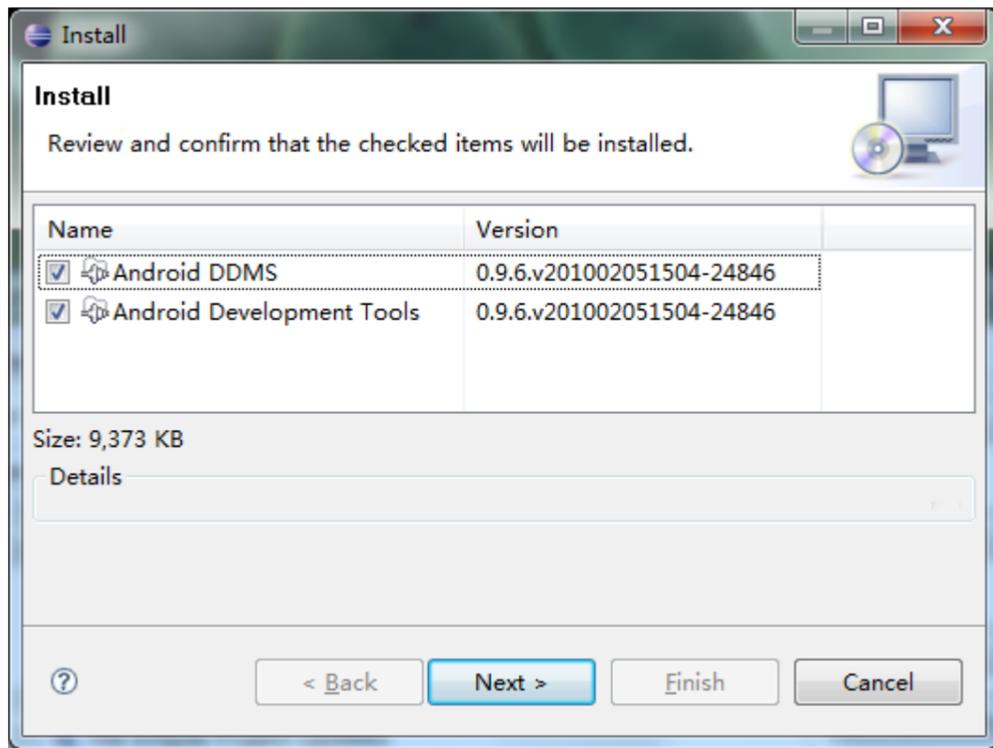
<http://dl-ssl.google.com/android/eclipse>



勾选 "Android DDMS" 和 "Android Development Tools" ， "Install" 如下图所示：



一路 Next，注意 Accept 许可，直到完成。

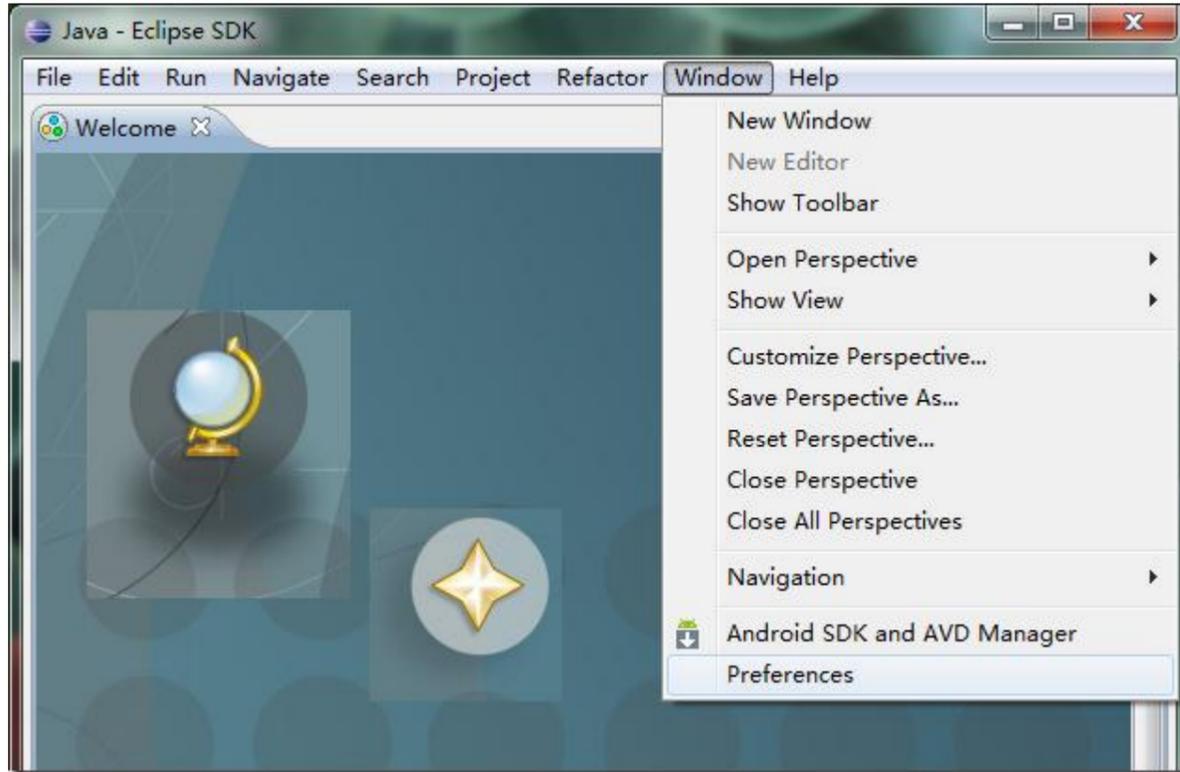


"Yes"重启"Eclipse", 完成安装。

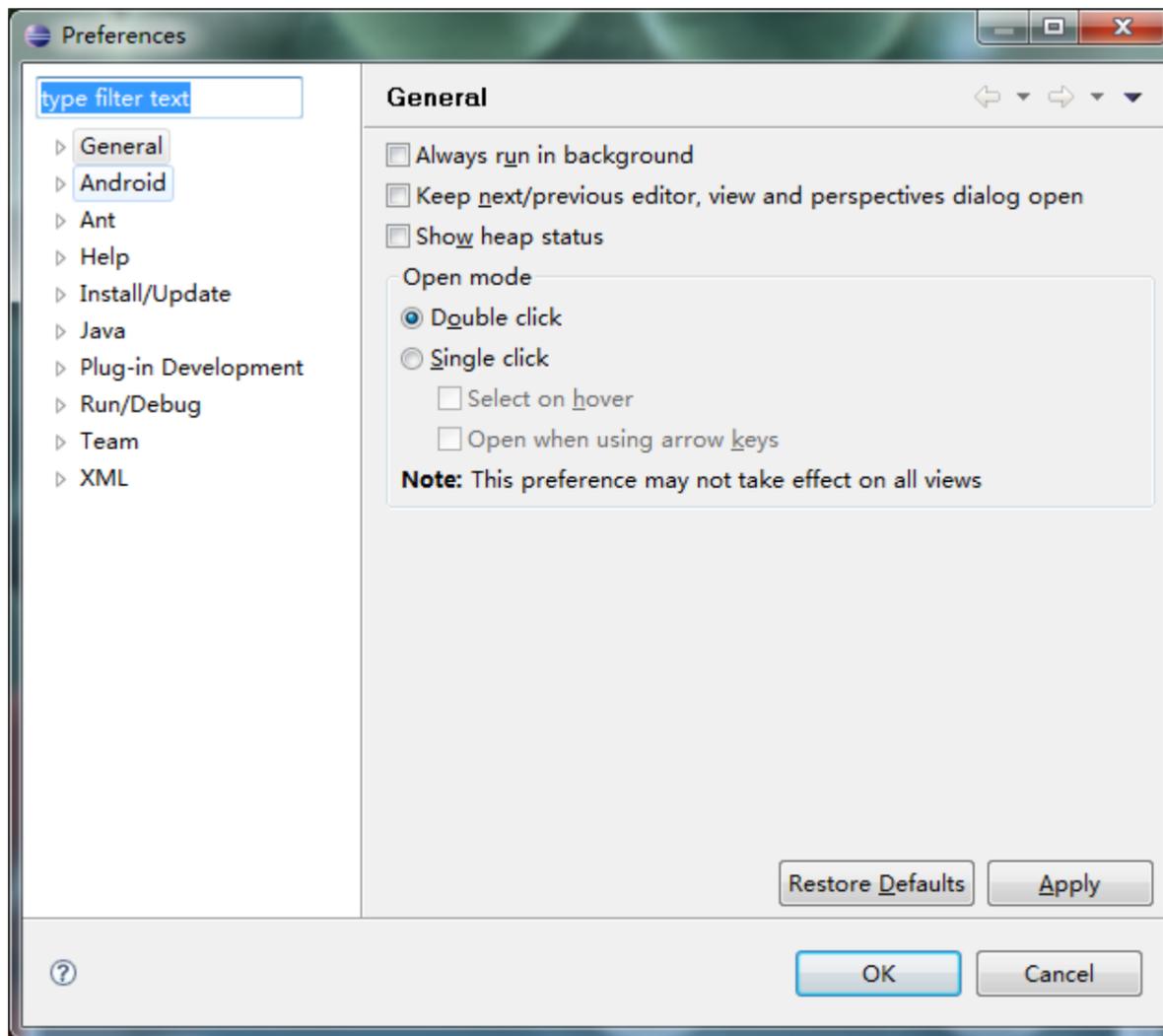
5、设定"SDK Location"

打开 Eclipse IDE

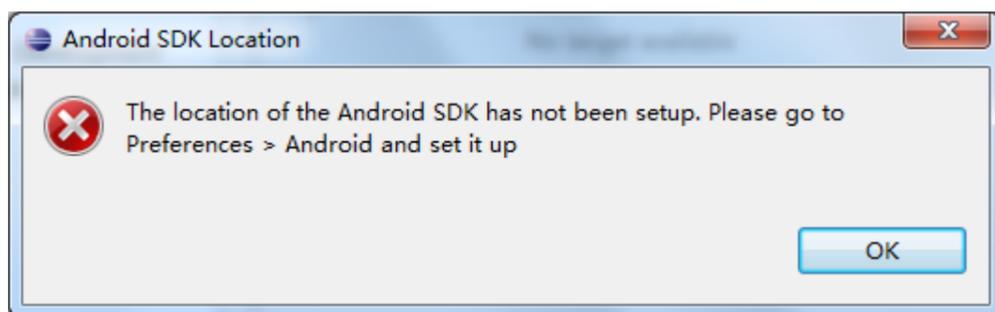
进入菜单中的 "Window" -> "Preferences"

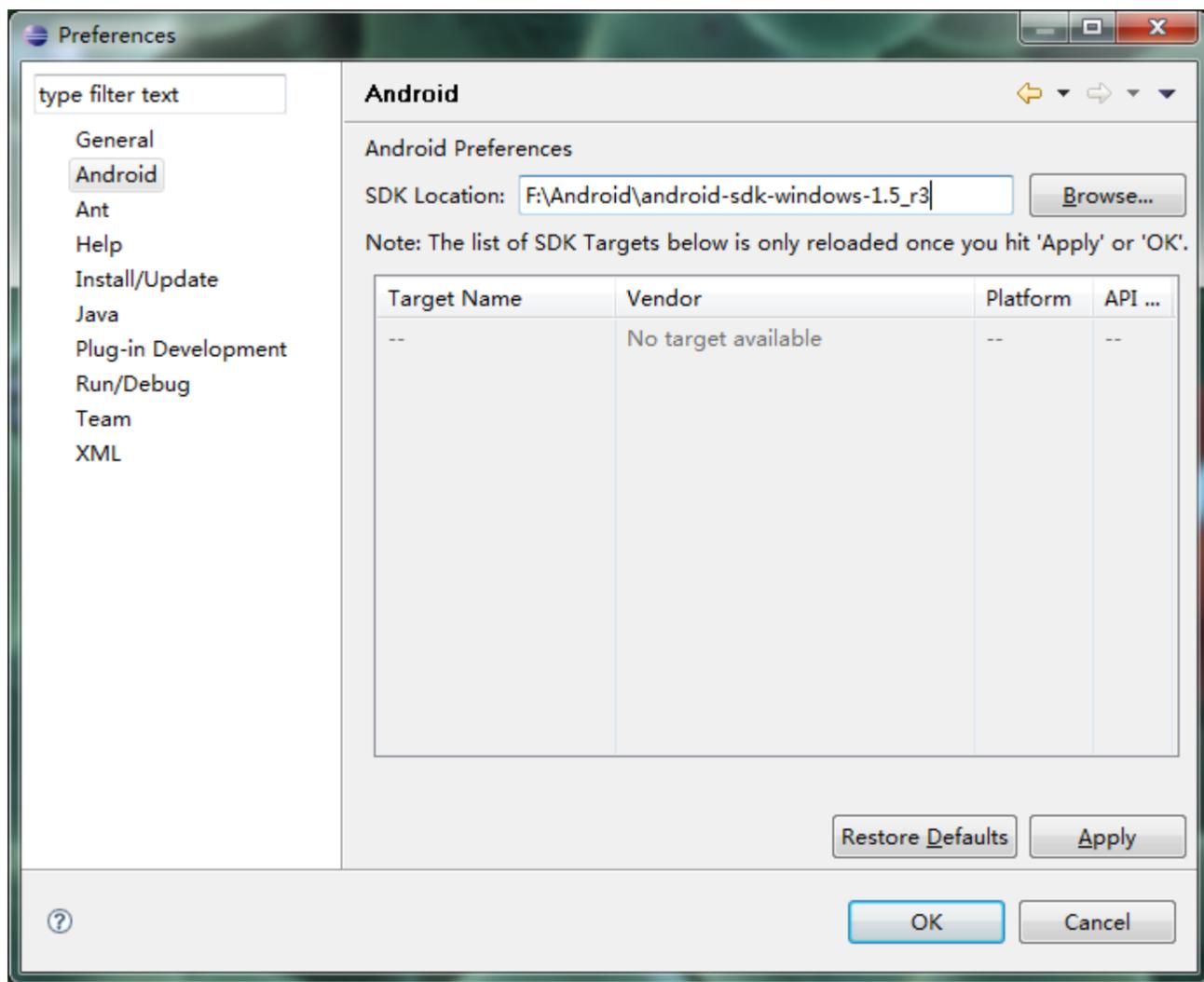


打开"Preferences"窗口，选中"Android"

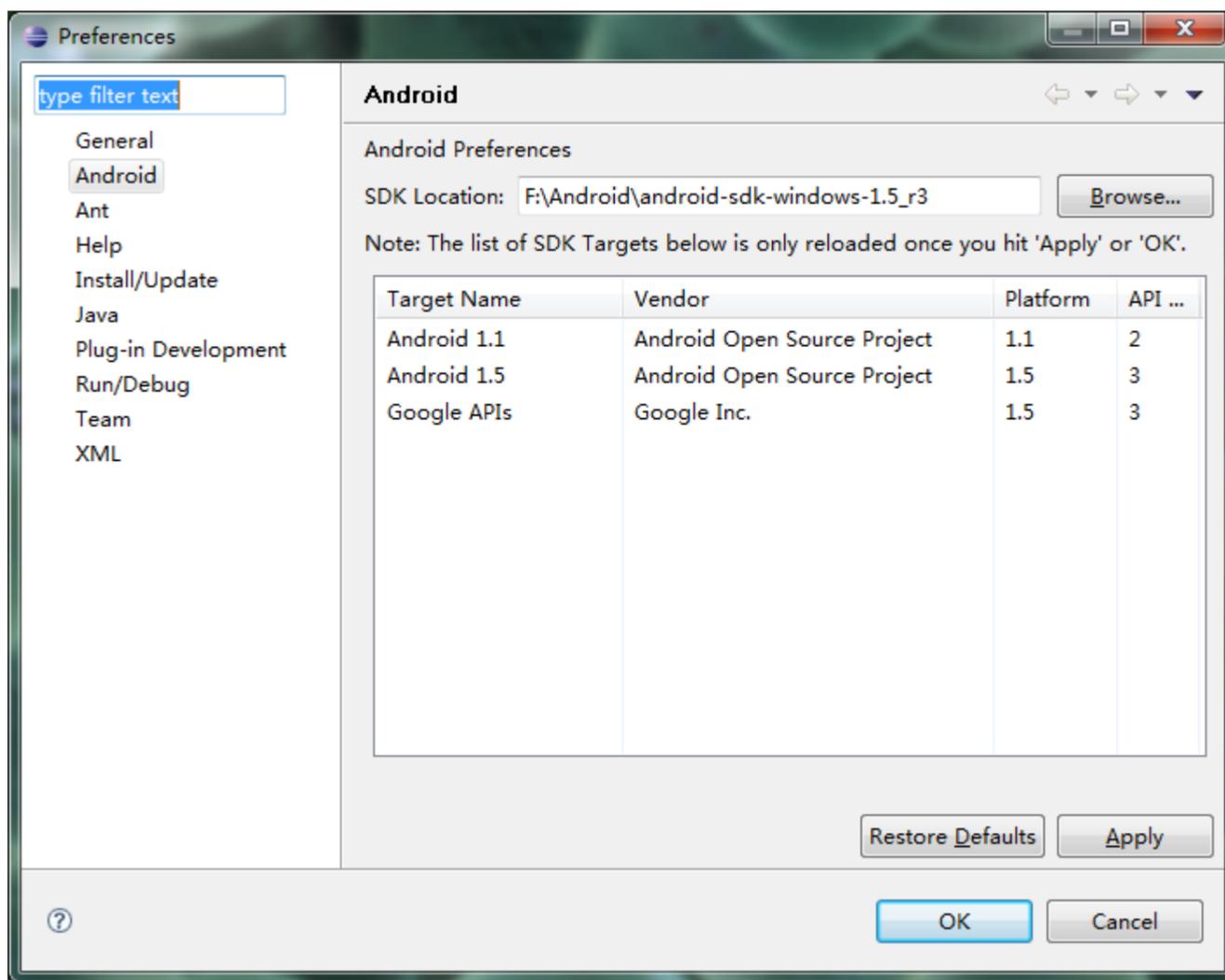


不要管弹出的错误窗口，直接设定"SDK Location"为 SDK 的安装目录。



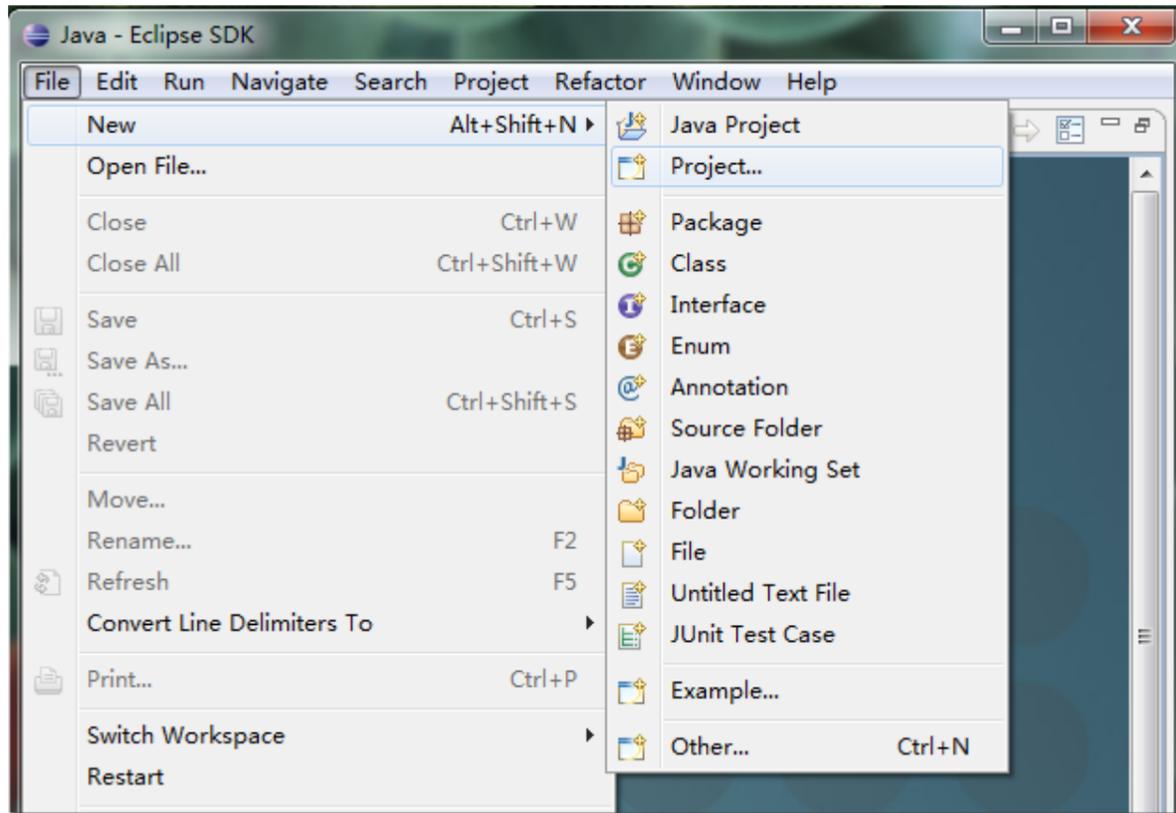


"OK"后，再次打开这个窗口，你可以看到 SDK 列表

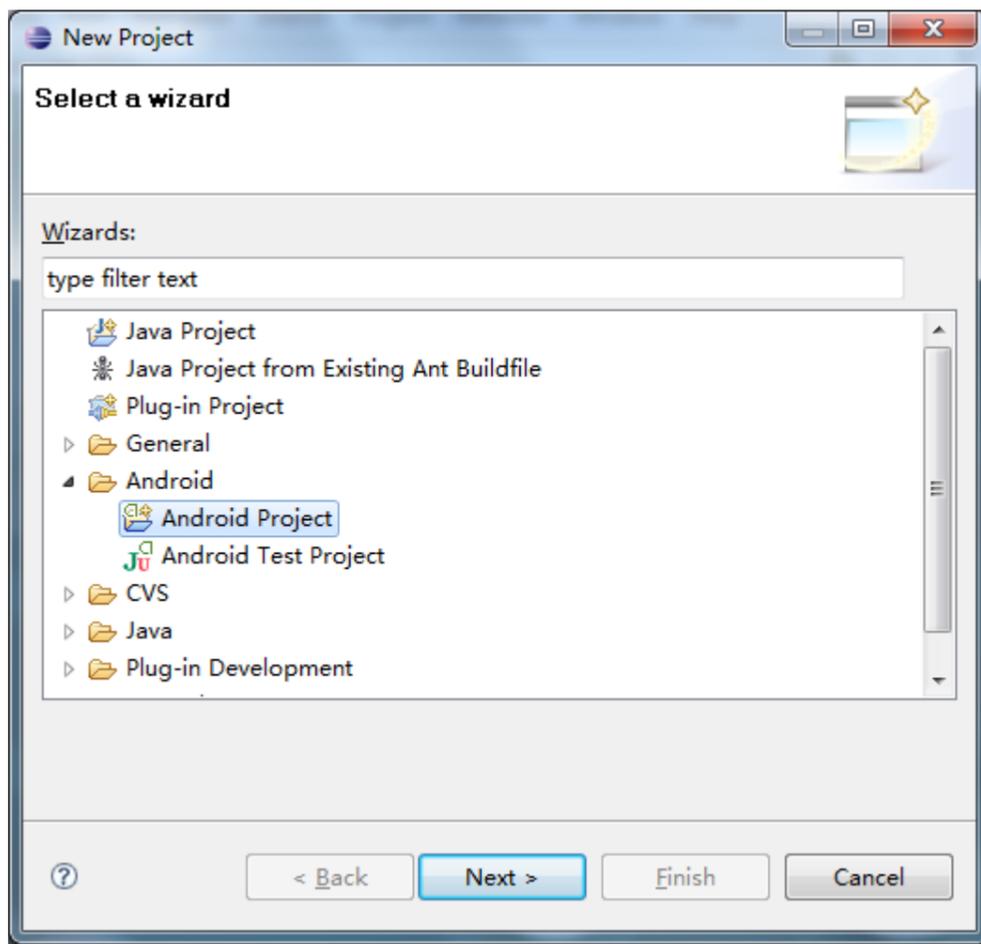


6、验证开发环境，并创建 HelloWorld 测试程序

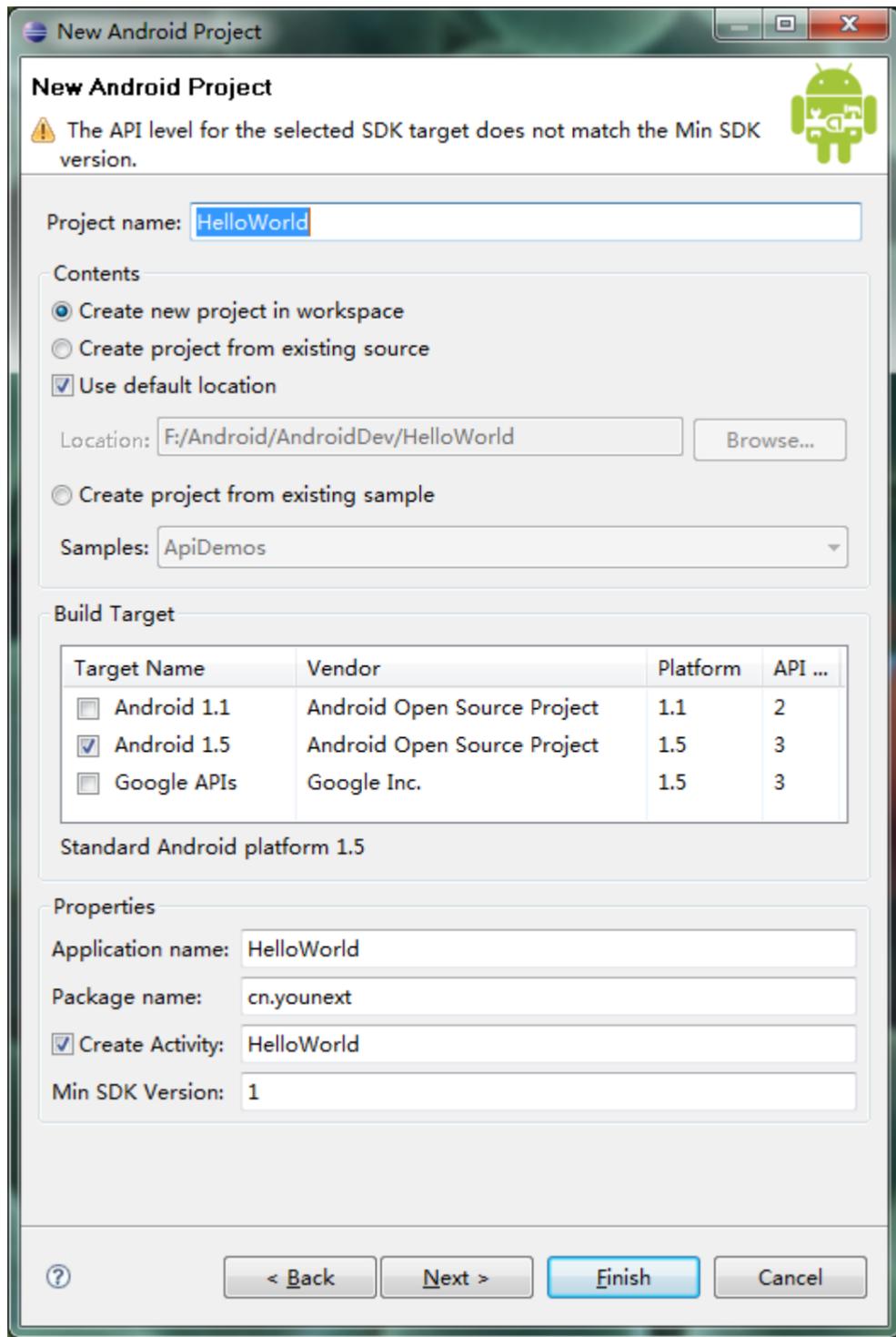
进入 Eclipse IDE 菜单中的 "File" -> "New" -> "Project"



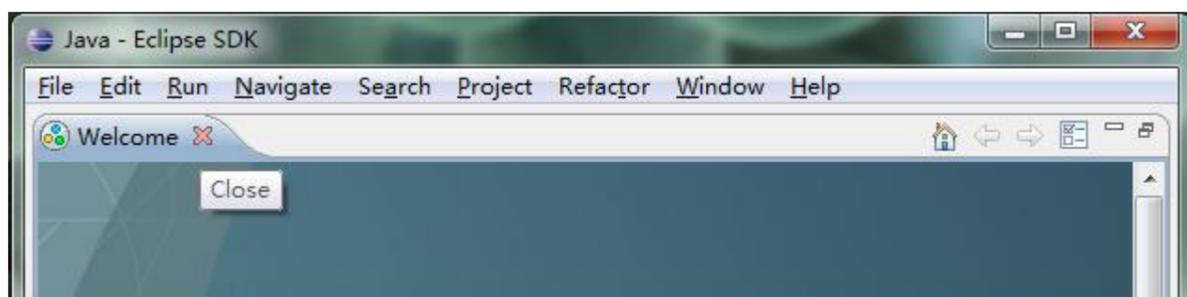
选择 "Android Project" 下一步



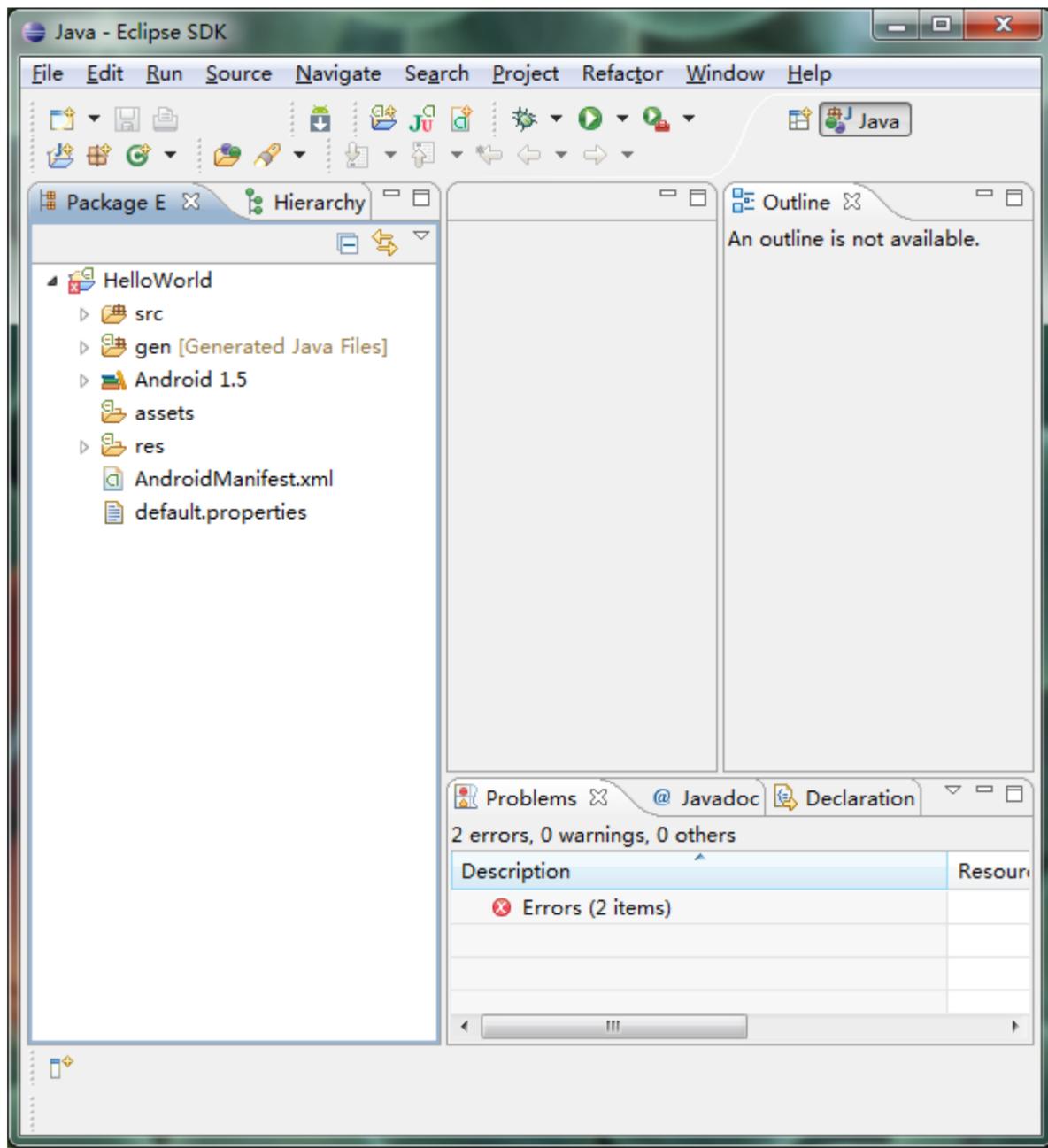
参考下图完成基本信息的填写，（注意最后一栏，如果选 Android1.5, "Min SDK Version" 一定是 3）



完成创建后，关闭 Eclipse 的 Welcome 窗口。



刚刚创建的项目



接下来创建 **Android** 虚拟设备 **AVD**

打开 cmd 控制台，执行 `android list target` 查看可用的平台

```

C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7600]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\YOMOXI>android list target
Available Android targets:
id: 1
  Name: Android 1.1
  Type: Platform
  API level: 2
  Skins: HUGA (default), HUGA-L, HUGA-P, QUGA-L, QUGA-P
id: 2
  Name: Android 1.5
  Type: Platform
  API level: 3
  Skins: HUGA (default), HUGA-L, HUGA-P, QUGA-L, QUGA-P
id: 3
  Name: Google APIs
  Type: Add-On
  Vendor: Google Inc.
  Description: Android + Google APIs
  Based on Android 1.5 (API level 3)
  Libraries:
  * com.google.android.maps (maps.jar)
    API for Google Maps
  Skins: QUGA-P, HUGA-L, HUGA (default), QUGA-L, HUGA-P

C:\Users\YOMOXI>

```

根据 `android create avd -name <AVD 名字> -target <id>` 格式创建 AVD。

```

C:\Users\YOMOXI>android create avd --name sdk_1_5 --target 2

```

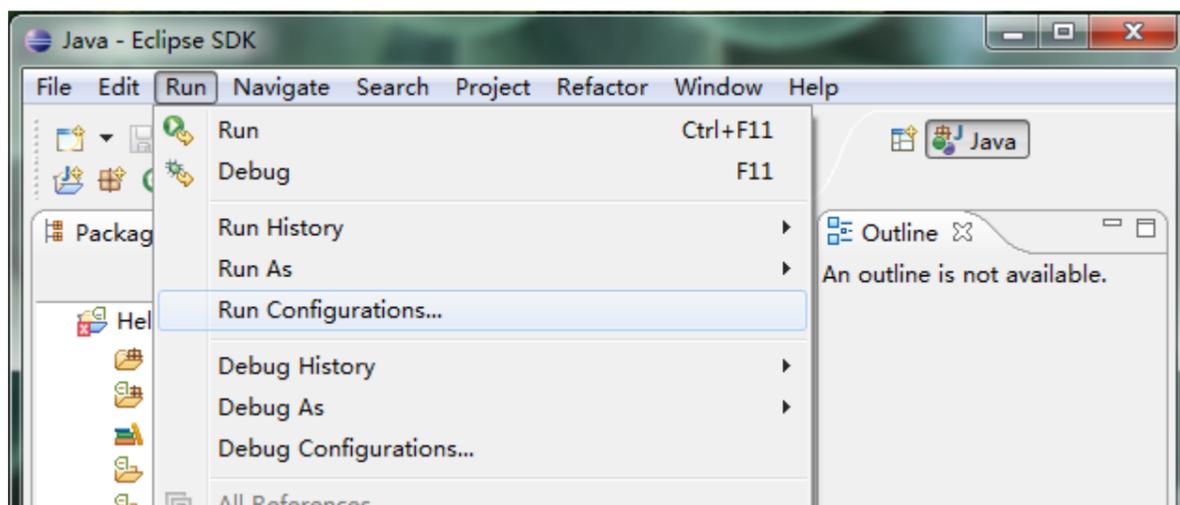
```
C:\Users\YOMOXI>android create avd --name sdk_1_5 --target 2
Android 1.5 is a basic Android platform.
Do you wish to create a custom hardware profile [no]
```

```
C:\Users\YOMOXI>android create avd --name sdk_1_5 --target 2
Android 1.5 is a basic Android platform.
Do you wish to create a custom hardware profile [no]
Created AVD 'sdk_1_5' based on Android 1.5
```

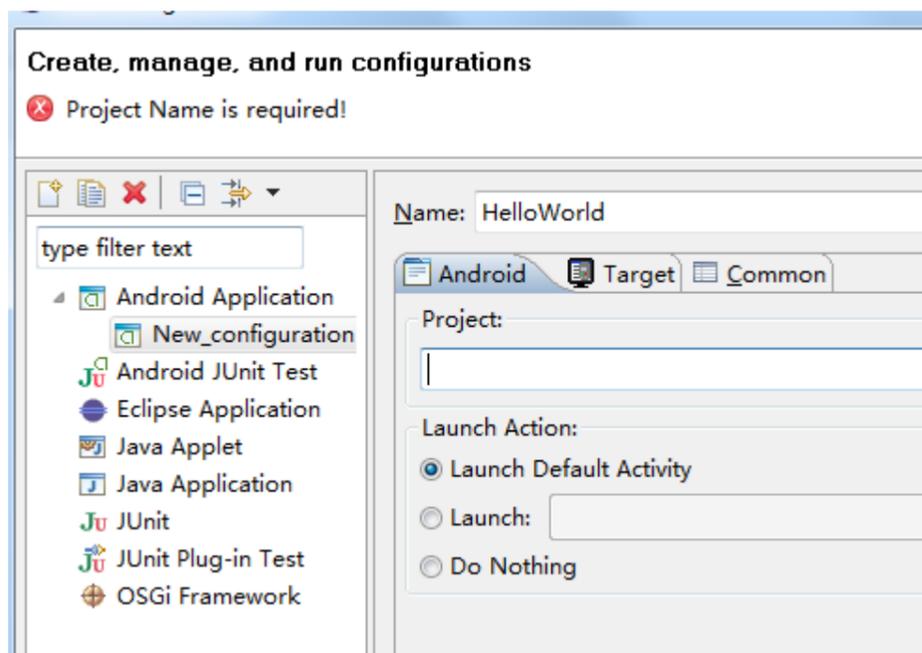
这样就完成了自定义的 Android Virtual Device

最后，配置 "Eclipse" 的 "Run Configuration"

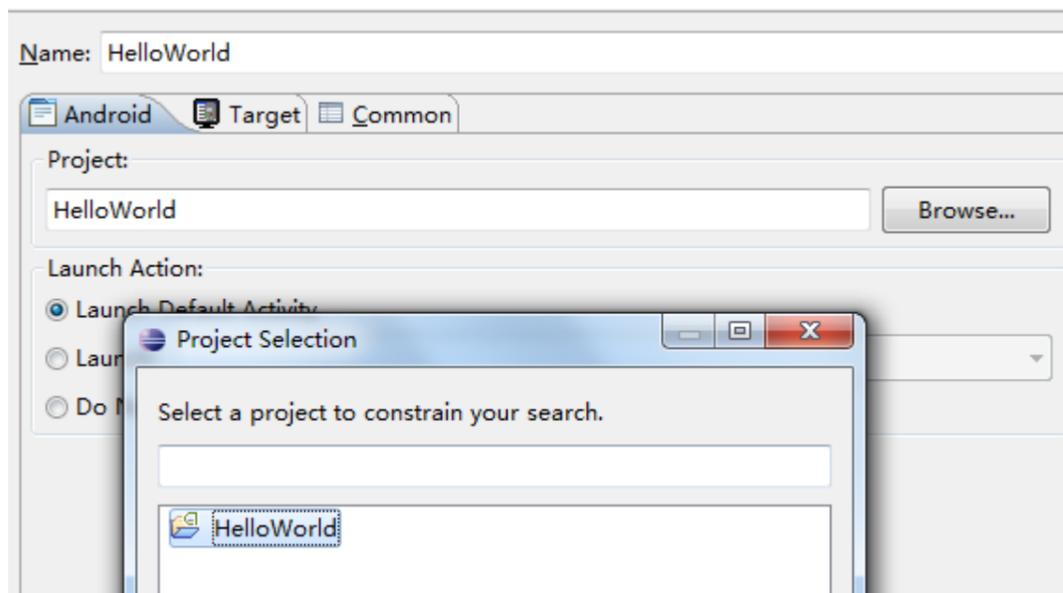
进入菜单中的 "Run" -> "Run Configurations"



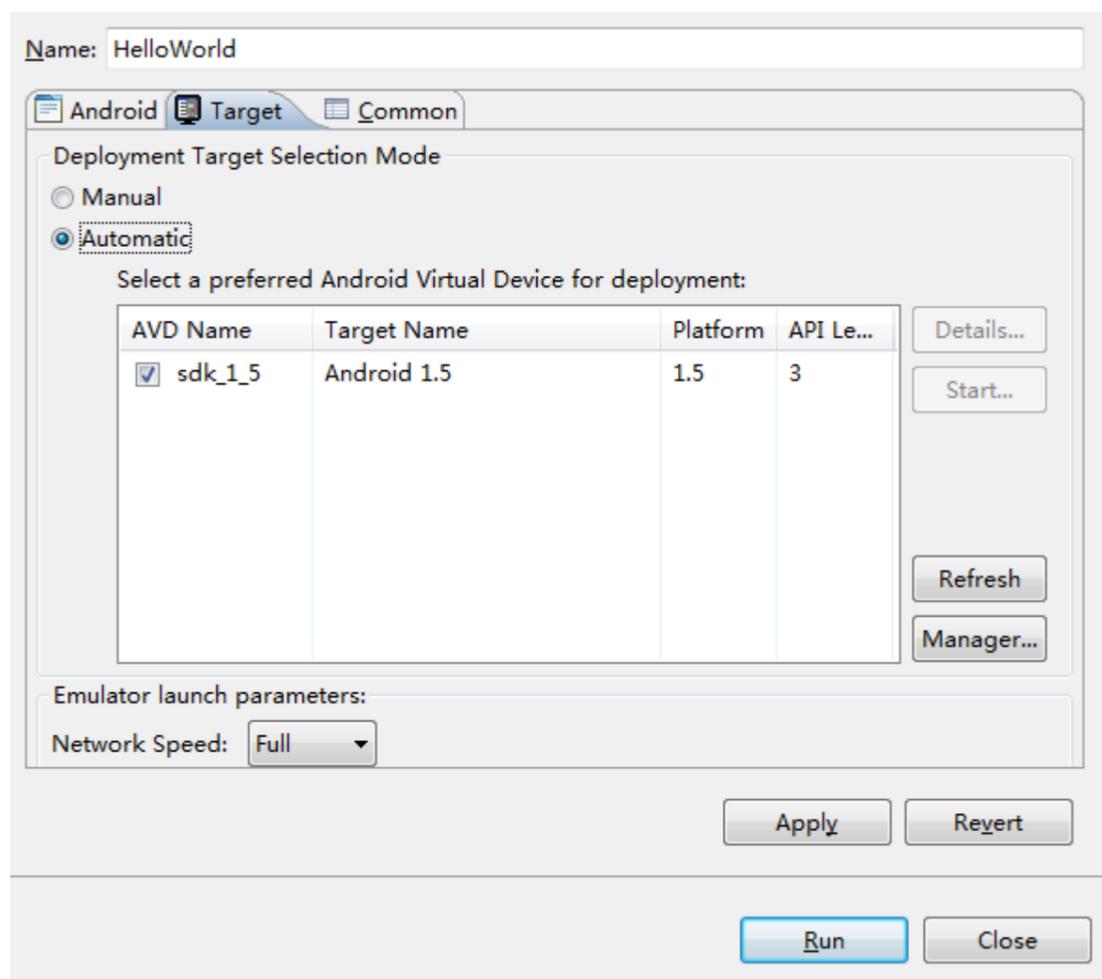
双击"Android Application"创建一个新的配置文件，设置 Name 项



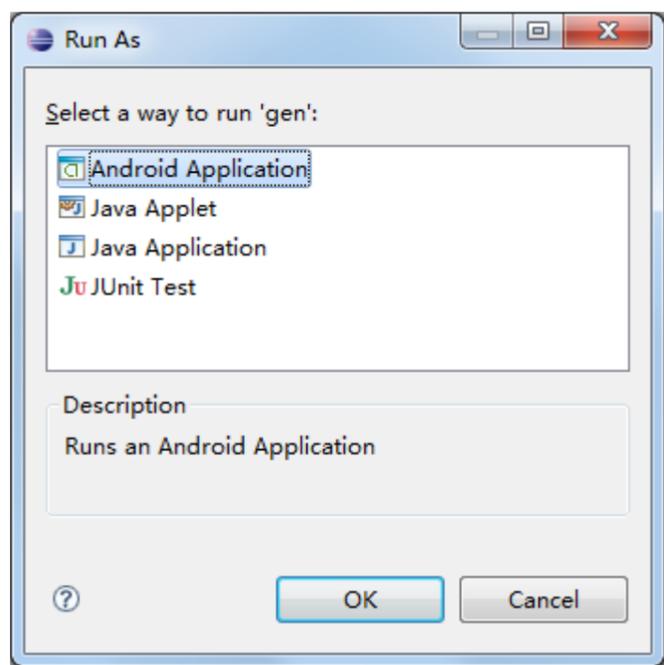
指定右侧"Android"选项卡中"Project"项目



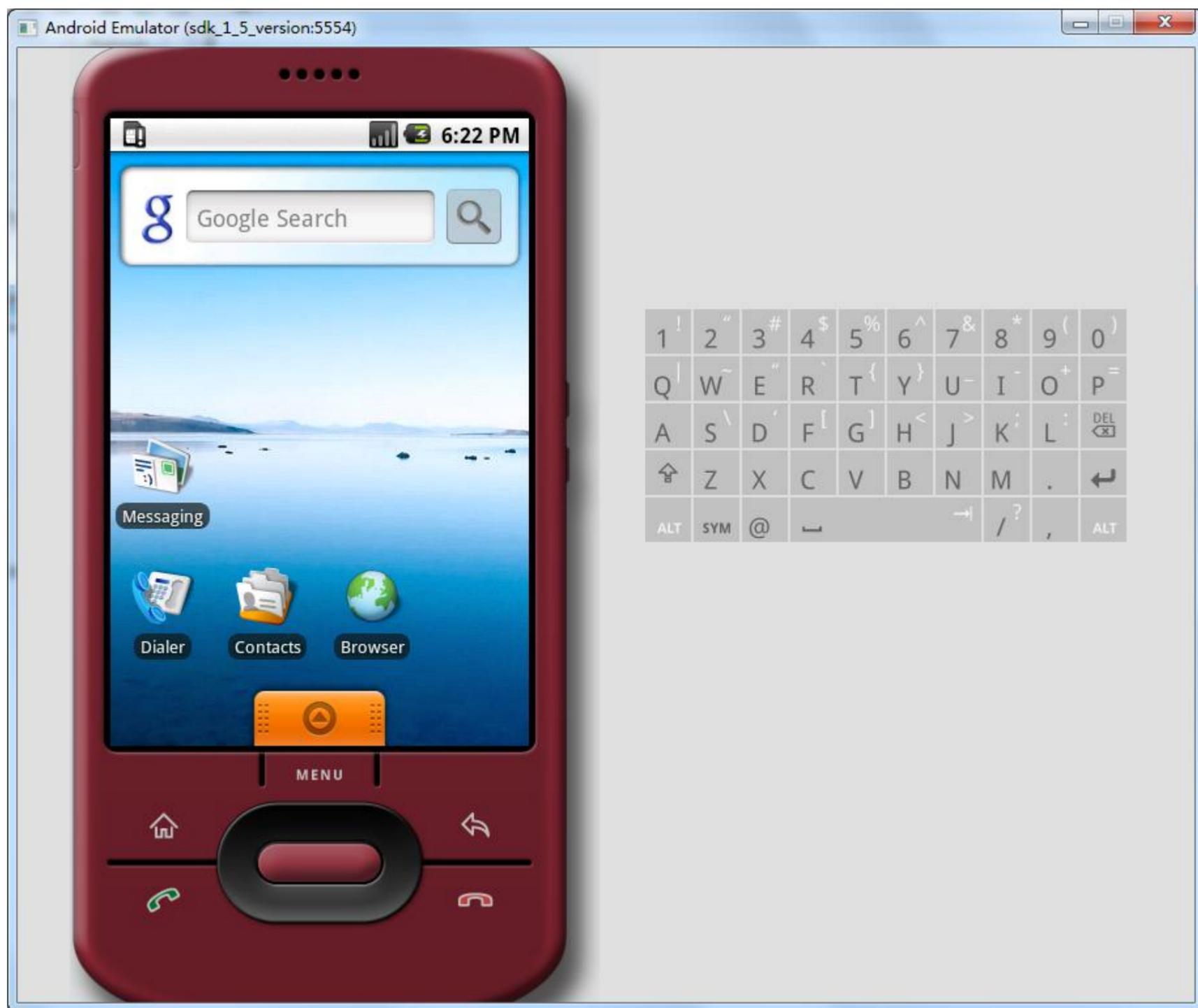
在右侧"Target"选项卡中勾选自己创建的"AVD"，"Apply"后，"Run"



选则启动方式"Android Appliaction"



正常情况下应该是可以看到模拟器界面的



但是我这边出了点错误,

[2010-04-01 02:16:07 - HelloWorld] Automatic Target Mode: Preferred AVD 'sdk_1_5' is not available. Launching new emulator.

[2010-04-01 02:16:07 - HelloWorld] Launching a new emulator with Virtual Device 'sdk_1_5'

[2010-04-01 02:16:07 - Emulator] emulator: ERROR: unknown virtual device name: 'sdk_1_5'

[2010-04-01 02:16:07 - Emulator] emulator: could not find virtual device named 'sdk_1_5'

原因是我移动过系统的 MyDocument 文件夹, 去 MyDocument 所在文件夹的根目录找到 ".android" 文件夹, 复制到 "C:\Users\[当前用户名]" 目录中

Ctrl+F11, 成功进入模拟器。

如果还有别的问题, 尝试 "Project" -> "Clean" 当前项目, 重新生成试试

Vengen

2010-04-01 凌晨