

# Android入门基础实验课内容

## 1. Android 运行环境搭建

### 工具下载

1. Android Studio
2. gradle-5.1.1-all.zip （本地）

### 版本要求（建议）

Android Studio 4.0 [android-studio-ide-193.6514223-mac.dmg](#)

Gradle: 5.1.1

Gradle Plugin: 3.4.1

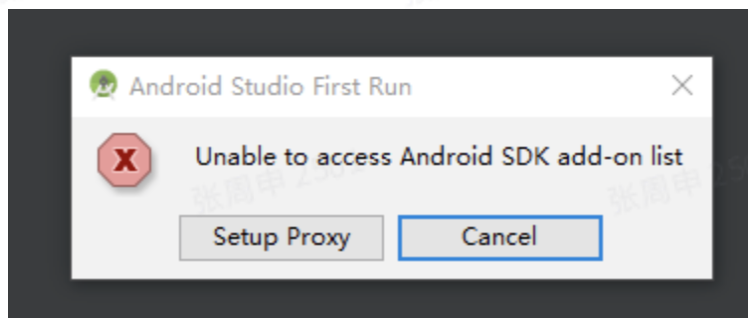
AppCompat-V7: 28.0.0

ConstraintLayout: 1.1.3

compileSdkVersion/targetSdkVersion: 28

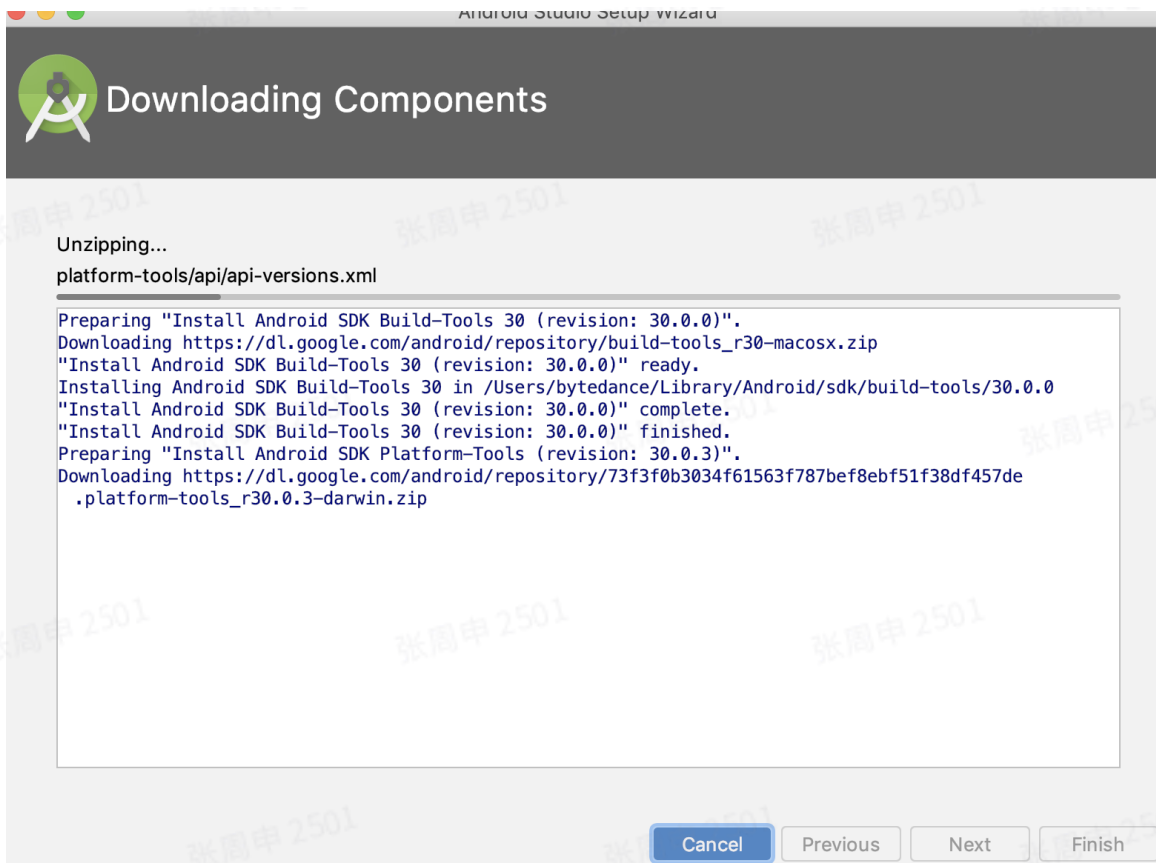
### 步骤

1. 下载并打开AS

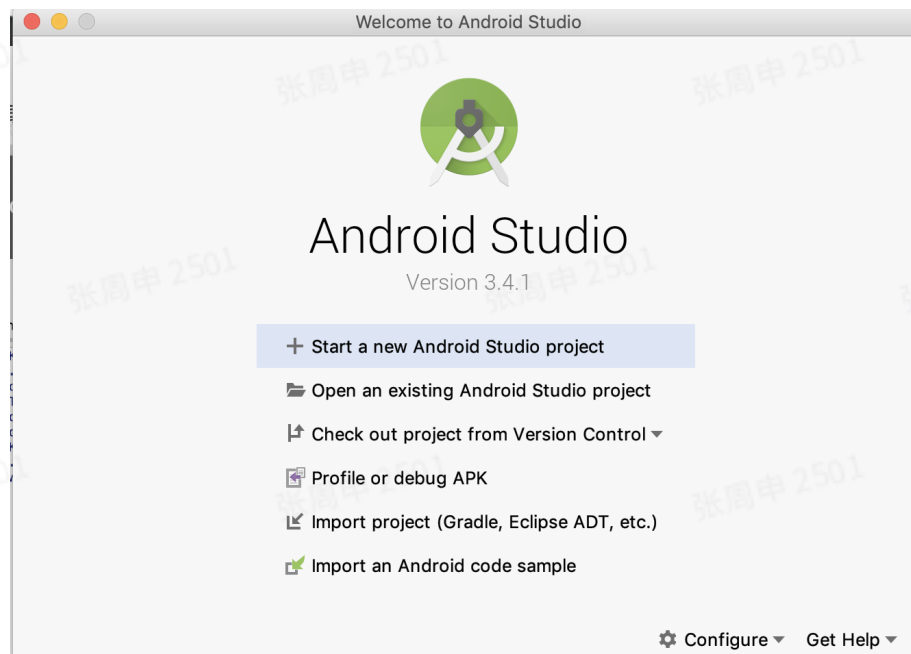


如果遇到这个报错 cancel即可

2. 一路next点下去即可，就开始下载需要的东西了。



### 3. 下载成果后可以使用了新建一个project



### 4. gradle离线设置

- 下载地址：<https://services.gradle.org/distributions/>
- 选择 gradle-5.1.1-all.zip



gradle-5.1.1-all.zip

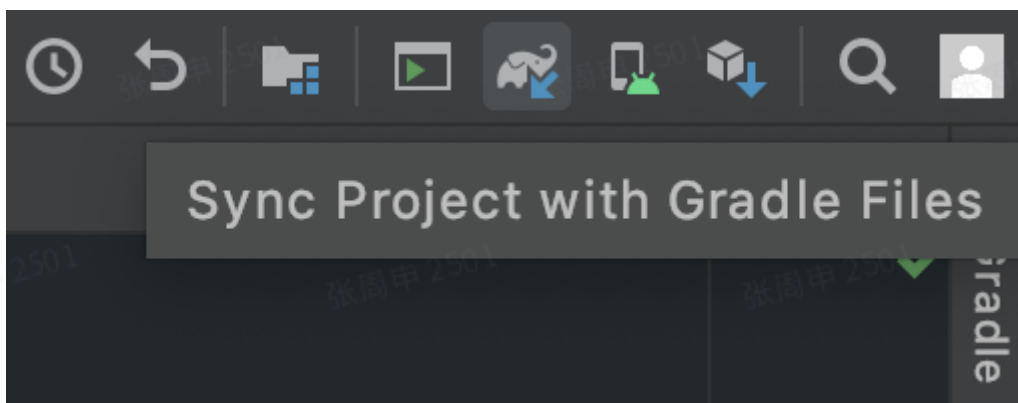
124.71MB



c. 地址换成本地地址

```
activity_main.xml × MainActivity.java × gradle-wrapper.properties × build.gradle (HelloSjtu) ×
1 #Thu Feb 25 18:27:31 CST 2021
2 distributionBase=GRADLE_USER_HOME
3 distributionPath=wrapper/dists
4 zipStoreBase=GRADLE_USER_HOME
5 zipStorePath=wrapper/dists
6 distributionUrl=file:/Users/bytedance/gradle-5.1.1-all.zip
7
```

sync一下



5. 镜像 maven 地址 (根目录下的build.gradle) 参考demo即可

Go

```
1 // Top-level build file where you can add configuration options common to all
  sub-projects/modules.
2
3 buildscript {
4     repositories {
5         maven { url 'https://maven.aliyun.com/repository/google' }
6         maven { url 'https://maven.aliyun.com/repository/jcenter' }
7     }
8 }
9 dependencies {
10     classpath 'com.android.tools.build:gradle:3.4.1'
11
12     // NOTE: Do not place your application dependencies here; they belong
13     // in the individual module build.gradle files
14 }
15 }
16
17 allprojects {
18     repositories {
19         maven { url 'https://maven.aliyun.com/repository/google' }
20         maven { url 'https://maven.aliyun.com/repository/jcenter' }
21     }
22 }
23
24 task clean(type: Delete) {
25     delete rootProject.buildDir
26 }
```

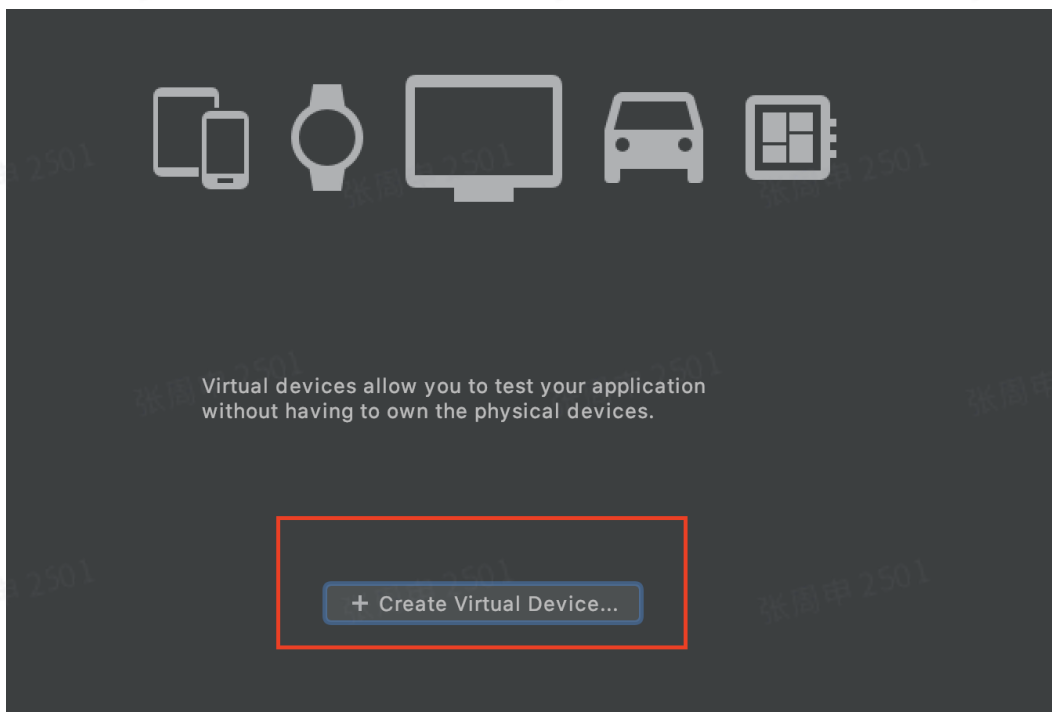
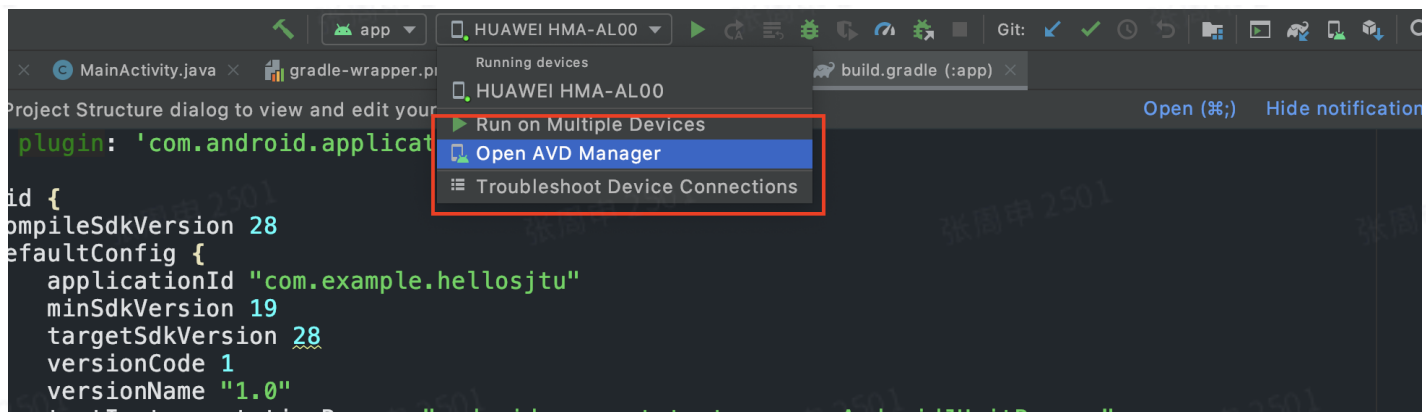
## 6. app目录下的build.gradle

## PHP

```
1  apply plugin: 'com.android.application'
2
3  android {
4      compileSdkVersion 28
5      defaultConfig {
6          applicationId "com.example.hellosjtu"
7          minSdkVersion 19
8          targetSdkVersion 28
9          versionCode 1
10         versionName "1.0"
11         testInstrumentationRunner
12             "android.support.test.runner.AndroidJUnitRunner"
13     }
14     buildTypes {
15         release {
16             minifyEnabled false
17             proguardFiles getDefaultProguardFile('proguard-android-
18                 optimize.txt'), 'proguard-rules.pro'
19         }
20     }
21     dependencies {
22         implementation fileTree(dir: 'libs', include: ['*.jar'])
23         implementation 'com.android.support:appcompat-v7:28.0.0'
24         implementation 'com.android.support.constraint:constraint-layout:1.1.3'
25         implementation 'com.android.support:design:28.0.0'
26         implementation 'android.arch.lifecycle:extensions:1.1.1'
27     }
```

## 7. adb

## 8. 虚拟机配置



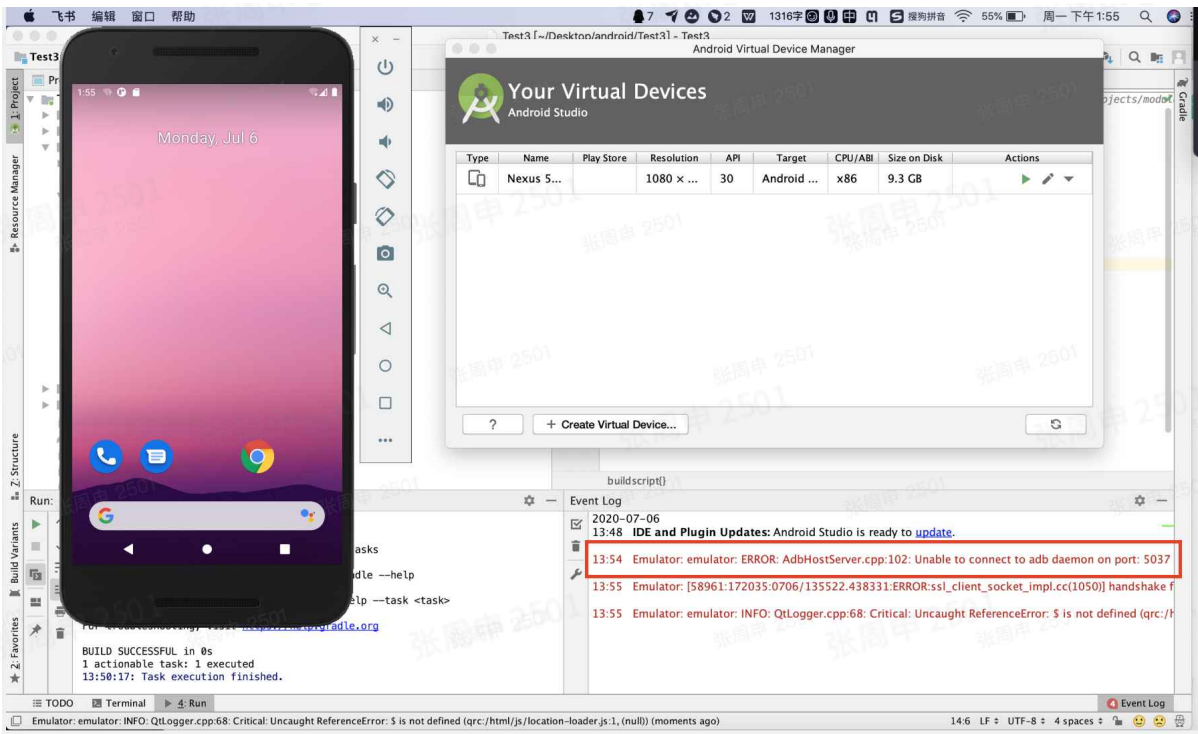
然后选择自己需要的机型和版本即可。

9. 就可以运行啦

问题：

可能出现adb端口占用情况

这个输入adb devices 重启一下端口就行



## 2. Github配置

- Git 安装

<https://git-scm.com/download/mac>

<https://git-scm.com/book/zh/v2/%E8%B5%B7%E6%AD%A5-%E5%AE%89%E8%A3%85-Git>

Windows - <https://blog.csdn.net/sanxd/article/details/82624127>

- windows配置

[https://blog.csdn.net/hc\\_ttxs/article/details/79375788](https://blog.csdn.net/hc_ttxs/article/details/79375788)

- mac配置

<https://blog.csdn.net/Coxhuang/article/details/89556929>

Git 新建仓库并上传代码

<https://blog.csdn.net/wj961/article/details/101633367>