

# flutter图文安装

made by caowujun, 2021.1.119

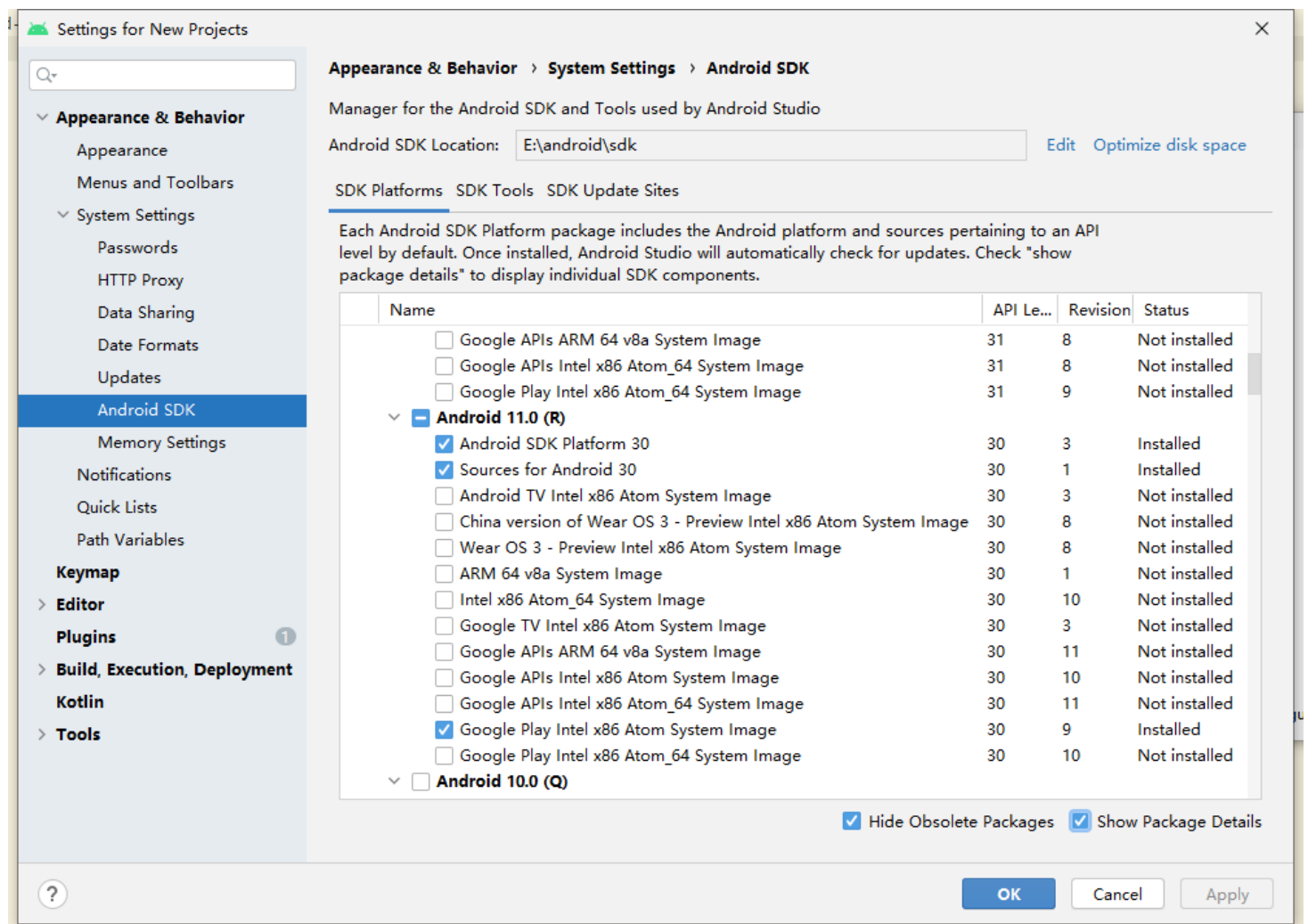
## 1、android studio 安装

### 1.下载4.2.2

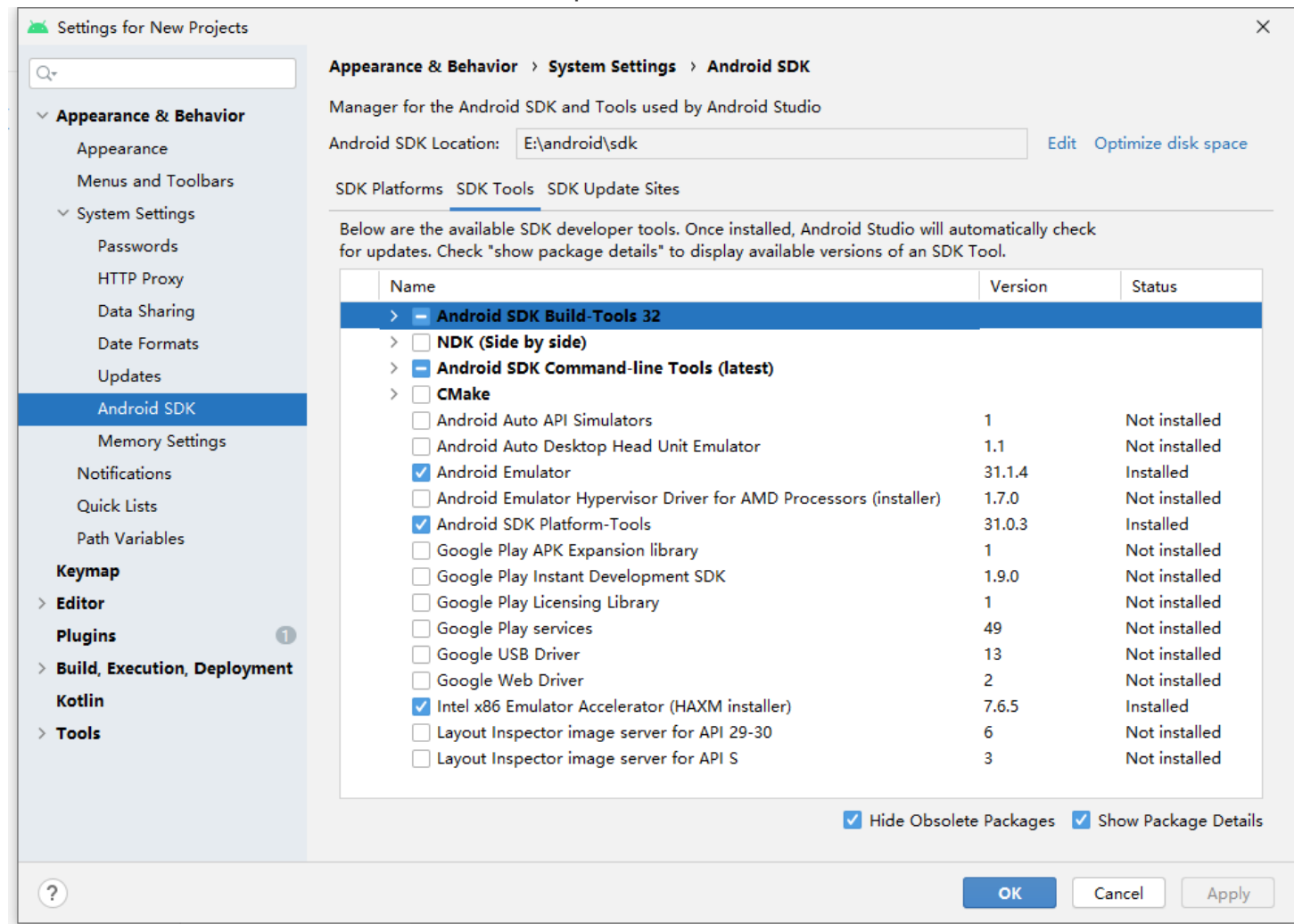
注意不要选最新的，最新的会使用java的jdk11，而我们用的1.8。可以下载android-studio-ide-202.7486908-windows.exe

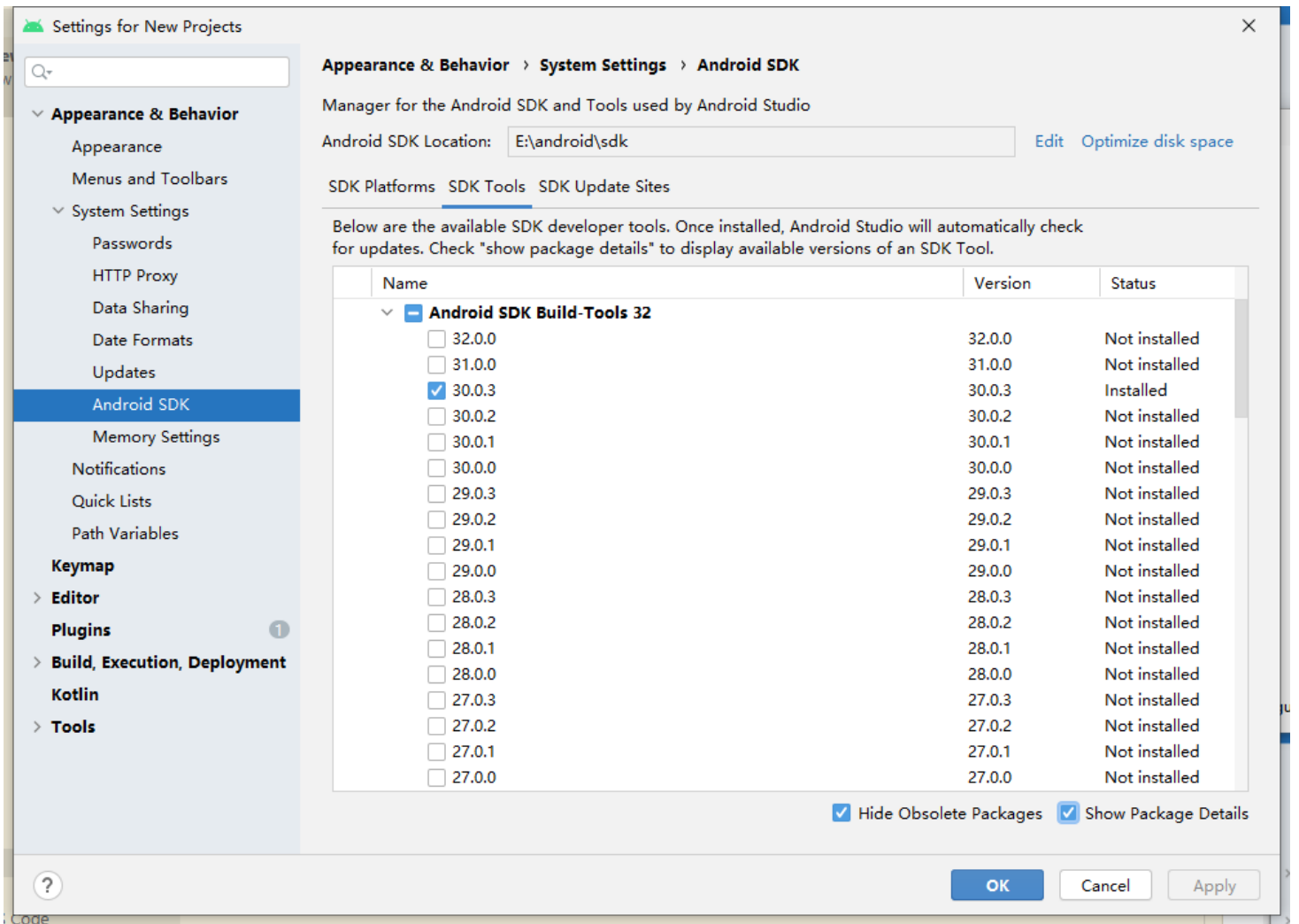
## 2.更改sdk路径

sdk很大，所以我们不要放在C盘。



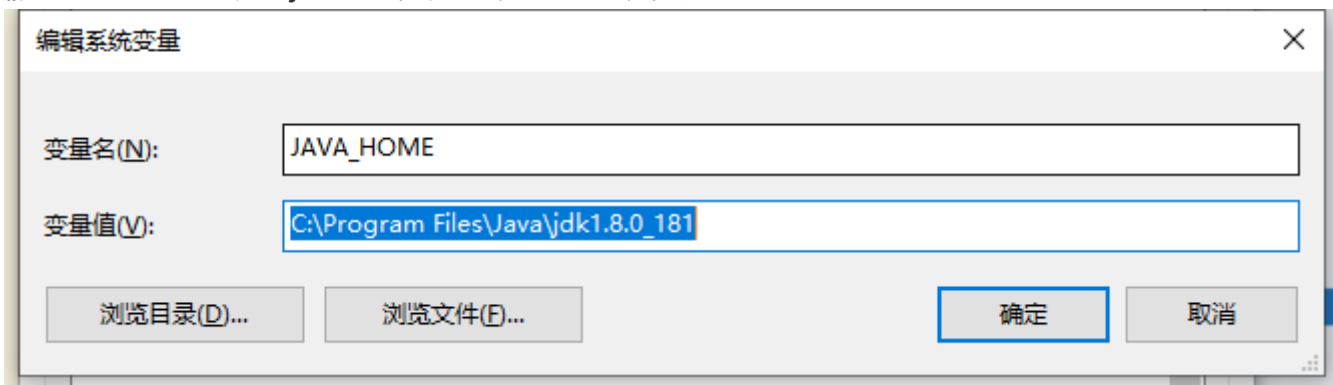
在sdk tools里注意的是，我们上面选的是sdk platform30,所以在这里也选择30.

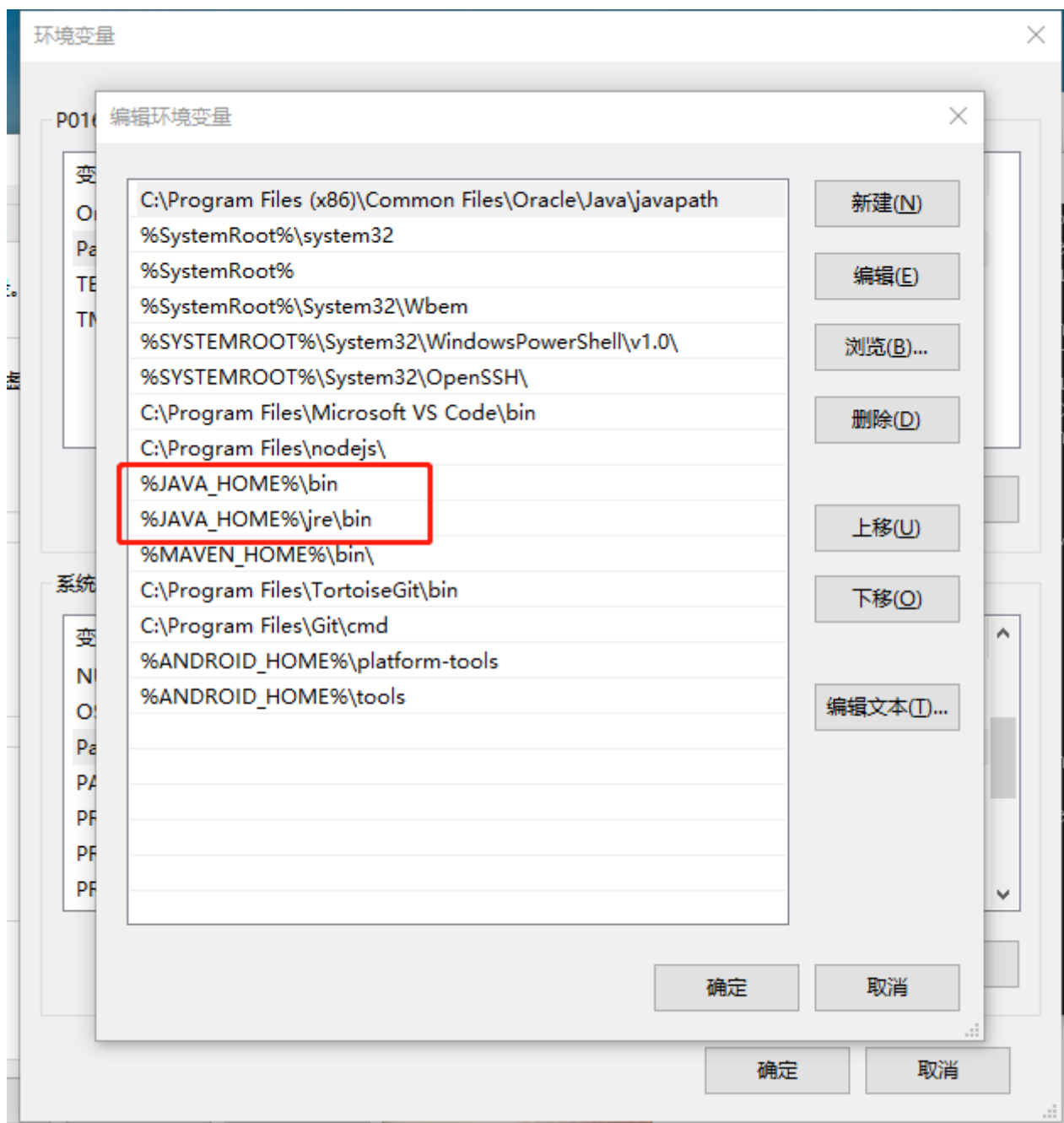




### 3.安装后需设置环境变量。

假定我们已经安装了java1.8，并且设置了环境变量。





然后我们设置安卓的环境变量：

## 环境变量



## P0164442 的用户变量(U)

变量	值
OneDrive	C:\Users\P0164442\OneDrive
Path	C:\Users\P0164442\AppData\Local\Microsoft\WindowsApps;...
TEMP	C:\Users\P0164442\AppData\Local\Temp
TMP	C:\Users\P0164442\AppData\Local\Temp

新建(N)...

编辑(E)...

删除(D)

## 系统变量(S)

变量	值
ANDROID_HOME	E:\android\sdk
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_181
MAVEN_HOME	E:\java\apache-maven-3.8.1
NODE_PATH	E:\nodejs\node_global\node_modules
NUMBER_OF_PROCESSORS	8

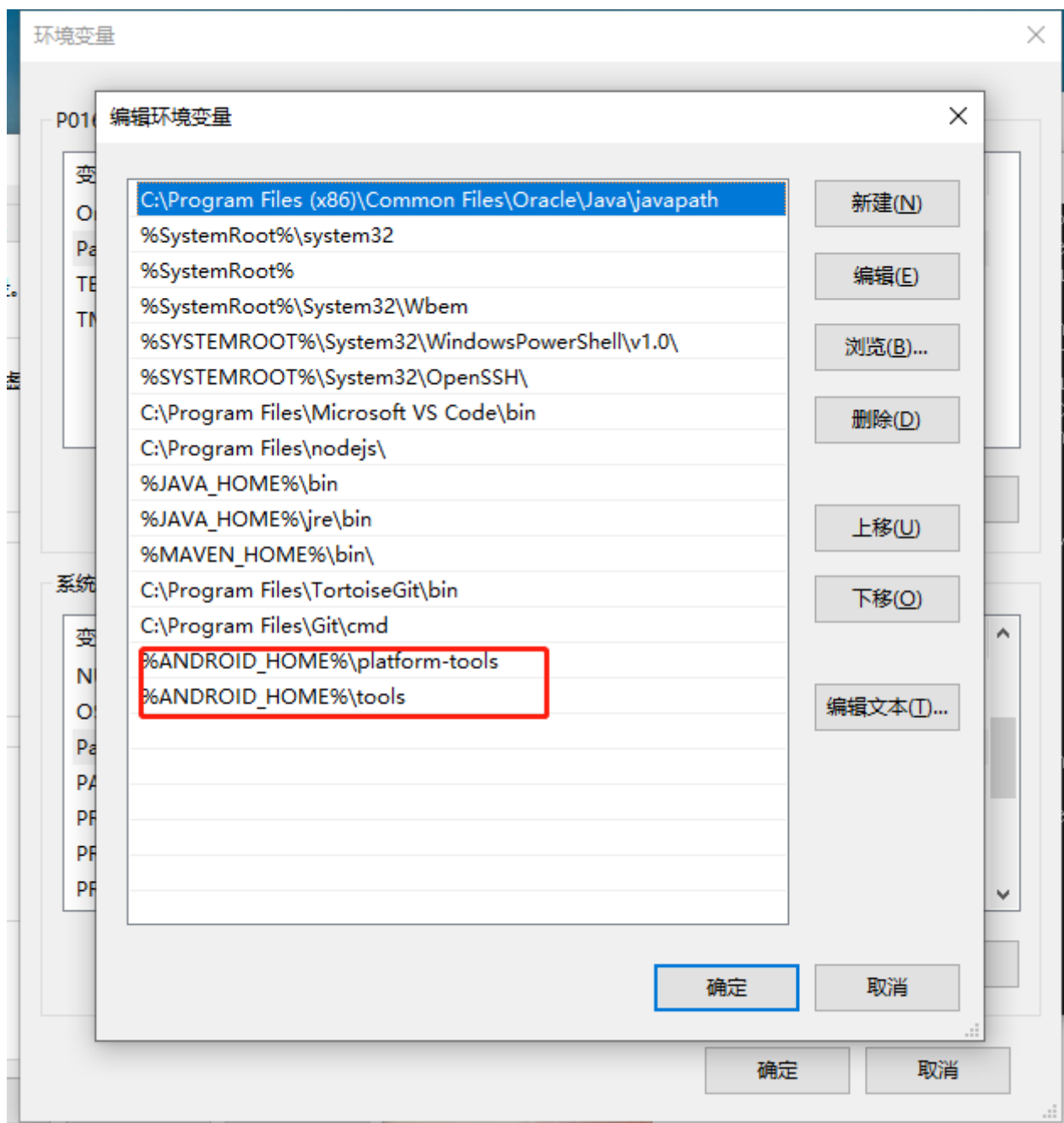
新建(W)...

编辑(I)...

删除(L)

确定

取消



测试结果如下：

```
命令提示符
Microsoft Windows [Version 10.0.19042.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\YP0164442>adb
Android Debug Bridge version 1.0.41
Version 31.0.3-7562133
Installed as E:\android\sdk\platform-tools\adb.exe

global options:
-a          listen on all network interfaces, not just localhost
-d          use USB device (error if multiple devices connected)
-e          use TCP/IP device (error if multiple TCP/IP devices available)
-s SERIAL   use device with given serial (overrides $ANDROID_SERIAL)
-t ID       use device with given transport id
-H          name of adb server host [default=localhost]
-P          port of adb server [default=5037]
-L SOCKET   listen on given socket for adb server [default=tcp:localhost:5037]

general commands:
devices [-l]      list connected devices (-l for long output)
help              show this help message
version           show version num

networking:
connect HOST[:PORT] connect to a device via TCP/IP [default port=5555]
disconnect [HOST[:PORT]] disconnect from given TCP/IP device [default port=5555], or all
pair HOST[:PORT] [PAIRING CODE] pair with a device for secure TCP/IP communication
forward --list     list all forward socket connections
```

```
命令提示符
$ADB_LOCAL_TRANSPORT_MAX_PORT max emulator scan port (default 5585, 16 emus)
$ADB_MDNS_AUTO_CONNECT comma-separated list of mdns services to allow auto-connect (default adb-tls-connect)

C:\Users\YP0164442>android
*****
The "android" command is deprecated.
For manual SDK, AVD, and project management, please use Android Studio.
For command-line tools, use tools\bin\sdkmanager.bat
and tools\bin\avdmanager.bat
*****

Invalid or unsupported command ""

Supported commands are:
android list target
android list avd
android list device
android create avd
android move avd
android delete avd
android list sdk
android update sdk

C:\Users\YP0164442>
```

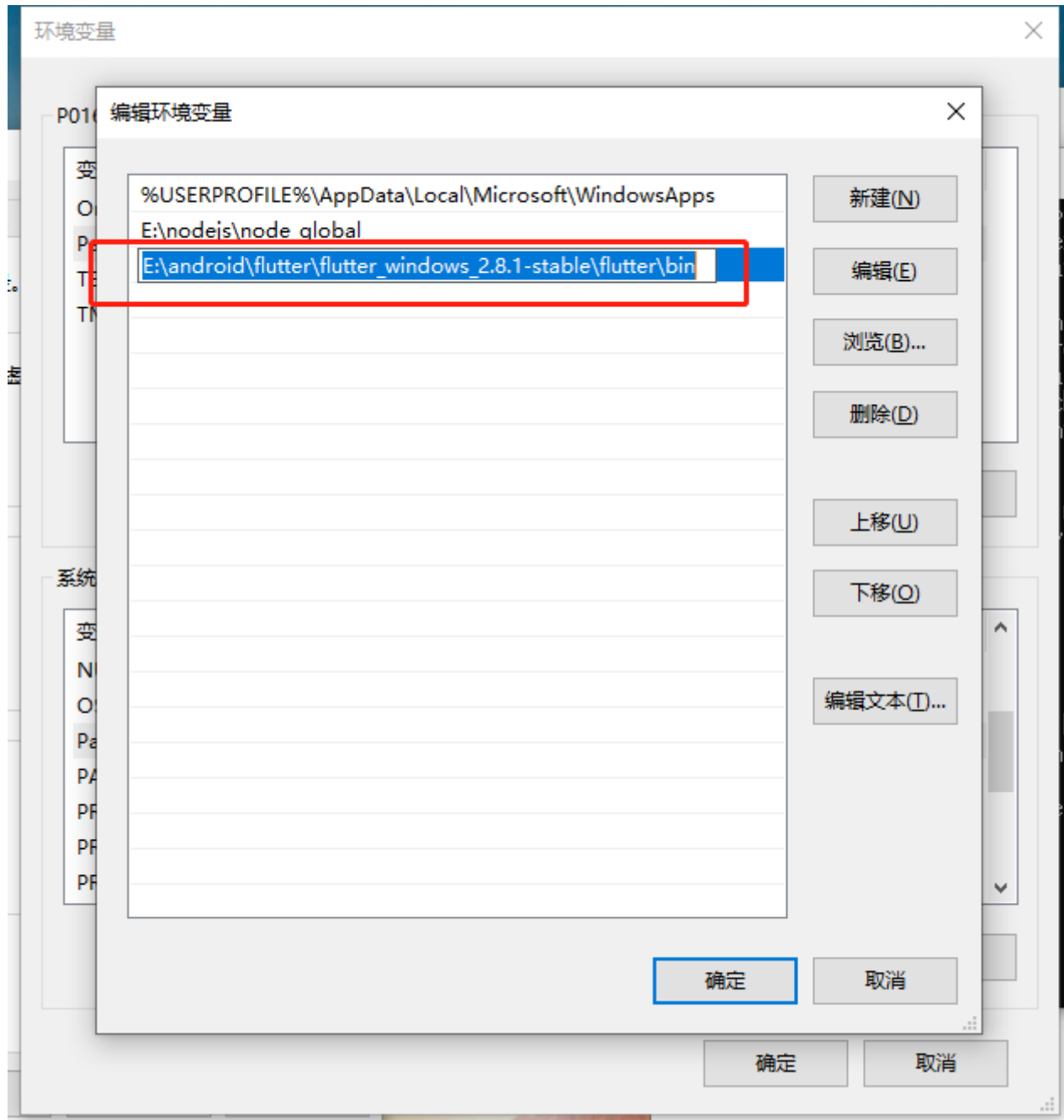
## 2、flutter 安装

### 1.下载flutter2.8.1

在任意文件夹下解压缩

## 2.设置用户变量

在用户变量path编辑并增加flutter\bin 目录的完整路径



## 3.命令窗口运行flutter检查命令

```
flutter doctor
```



```
命令提示符
Microsoft Windows [Version 10.0.19042.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\YP0164442>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 2.8.1, on Microsoft Windows [Version 10.0.19042.1052], locale zh-CN)
[!] Android toolchain - develop for Android devices (Android SDK version 30.0.3)
    X cmdline-tools component is missing
      Run `path/to/sdkmanager --install "cmdline-tools;latest"`
      See https://developer.android.com/studio/command-line for more details.
    X Android license status unknown.
      Run `flutter doctor --android-licenses` to accept the SDK licenses.
      See https://flutter.dev/docs/get-started/install/windows#android-setup for more details.
[✓] Chrome - develop for the web
[✓] Android Studio (version 4.2)
[✓] VS Code, 64-bit edition (version 1.55.0)
[✓] Connected device (2 available)

! Doctor found issues in 1 category.

C:\Users\YP0164442>flutter doctor --android-licenses
Android sdkmanager not found. Update to the latest Android SDK and ensure that the cmdline-tools are installed to
resolve this.

C:\Users\YP0164442>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 2.8.1, on Microsoft Windows [Version 10.0.19042.1052], locale zh-CN)
[!] Android toolchain - develop for Android devices (Android SDK version 30.0.3)
    ! Some Android licenses not accepted. To resolve this, run: flutter doctor --android-licenses
[✓] Chrome - develop for the web
```

如果检查不通过会有提示以实际情况距离：

1)

```
X cmdline-tools component is missing
  Run `path/to/sdkmanager --install "cmdline-tools;latest"`
  See https://developer.android.com/studio/command-line for more details.
```

这是由于一开始的时候sdk tools 未安装command-line tools

2)

```
X Android license status unknown.
  Run `flutter doctor --android-licenses` to accept the SDK licenses.
  See https://flutter.dev/docs/get-started/install/windows#android-setup for more details.
```

这是由于未执行（一路y就可以）

```
flutter doctor --android-licenses
```

再次运行，flutter doctor命令，最终结果如下

```
命令提示符
ANY PRE-RELEASE MATERIALS ARE NON-QUALIFIED AND, AS SUCH, ARE PROVIDED AS IS AND AS AVAILABLE, POSSIBLY WITH FAULTS, AND WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND.

10.8 Open Source Software. In the event Open Source software is included with Evaluation Software, such Open Source software is licensed pursuant to the applicable Open Source software license agreement identified in the Open Source software comments in the applicable source code file(s) and/or file header as indicated in the Evaluation Software. Additional detail may be available (where applicable) in the accompanying on-line documentation. With respect to the Open Source software, nothing in this Agreement limits any rights under, or grants rights that supersede, the terms of any applicable Open Source software license agreement.
-----
Accept? (y/N): y
All SDK package licenses accepted

C:\Users\¥P0164442>
C:\Users\¥P0164442>
C:\Users\¥P0164442>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
✓ Flutter (Channel stable, 2.8.1, on Microsoft Windows [Version 10.0.19042.1052], locale zh-CN)
✓ Android toolchain - develop for Android devices (Android SDK version 30.0.3)
✓ Chrome - develop for the web
✓ Android Studio (version 4.2)
✓ VS Code, 64-bit edition (version 1.55.0)
✓ Connected device (2 available)

• No issues found!

C:\Users\¥P0164442>
```

## 4.改国内镜像（不然会卡住）

4.1、添加环境变量 PUB\_HOSTED\_URL 和 FLUTTER\_STORAGE\_BASE\_URL，内容分别是：

<https://pub.flutter-io.cn>

<https://storage.flutter-io.cn>

4.2、修改 E:\android\flutter\flutter\_windows\_2.8.1-stable\flutter\packages\flutter\_tools\gradle\flutter.gradle

4.2.1、注释掉 google() 和 jcenter() 更改为

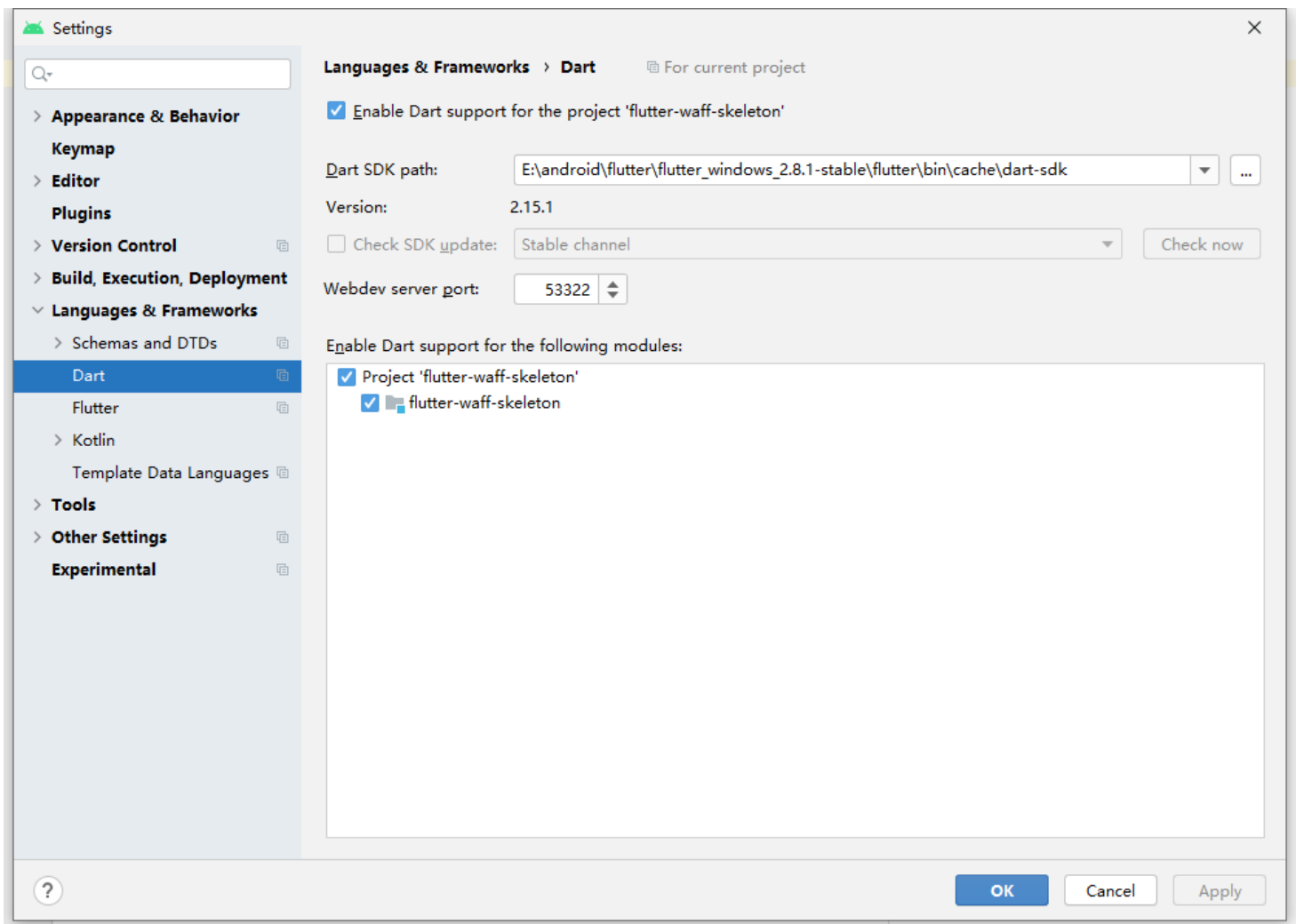
```
maven { url 'https://maven.aliyun.com/repository/google' }
```

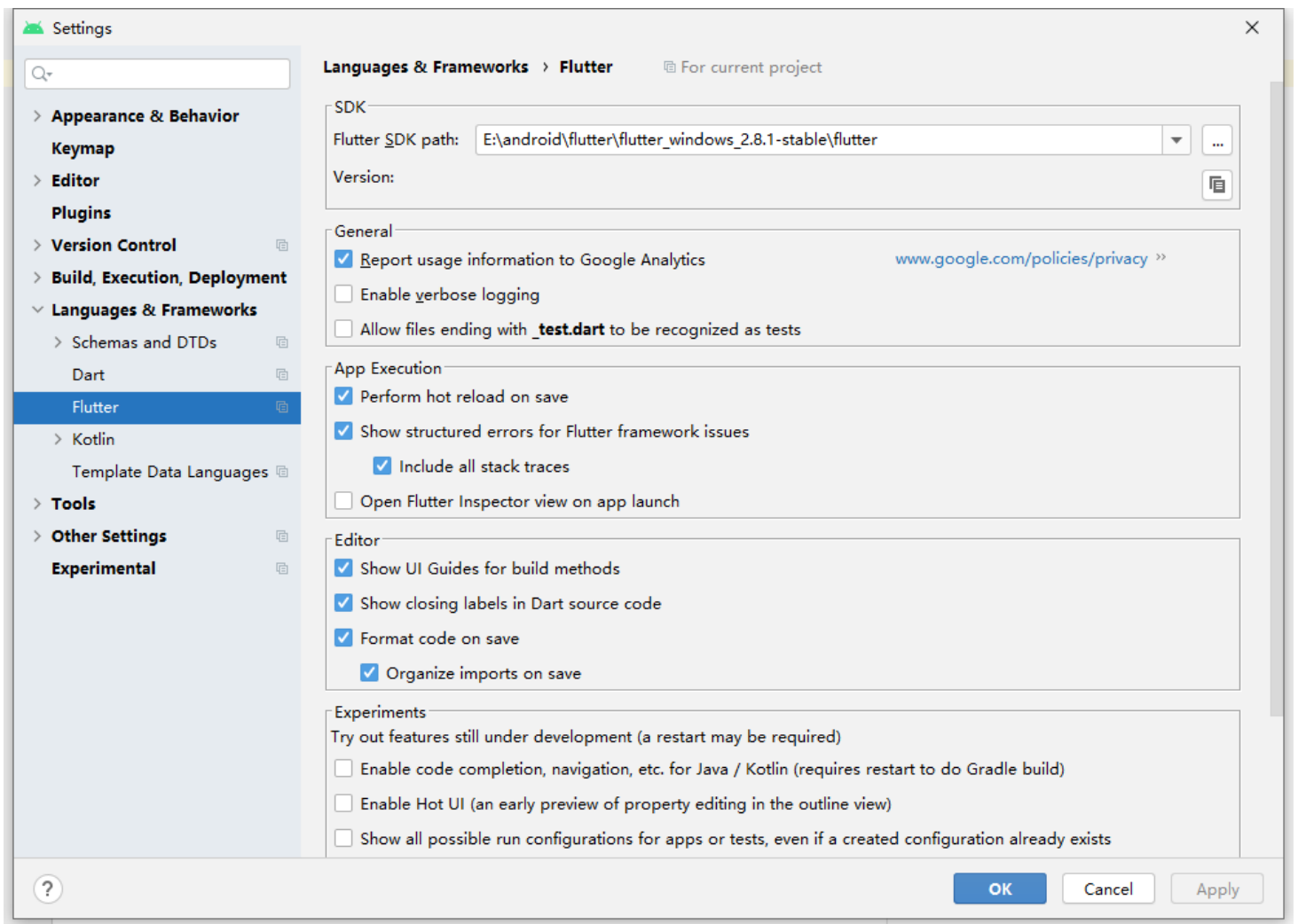
```
maven { url 'https://maven.aliyun.com/repository/jcenter' }
```

```
maven { url 'http://maven.aliyun.com/nexus/content/groups/public' }
```

4.2.2、找到 <https://storage.googleapis.com> 修改为 <https://storage.flutter-io.cn>

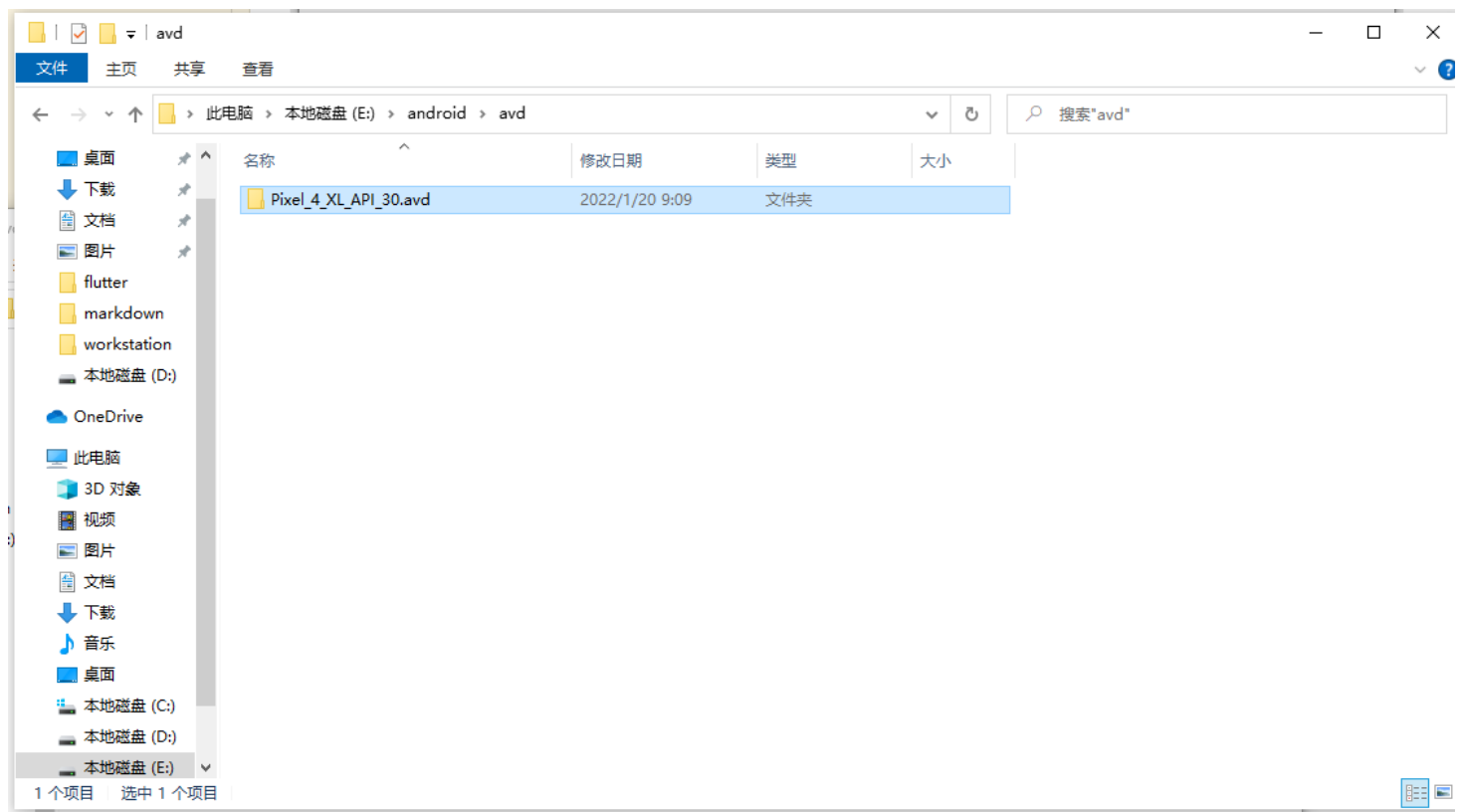
## 5、IDE 配置





## 6、模拟器换路径

模拟器路径很大，默认在C:\Users\P0164442.android\avd下面  
可以直接把模拟器挪走到E盘



然后改下配置文件的路径

path=E:\android\avd\Pixel\_4\_XL\_API\_30.avd