

Flutter

Instalação e Configuração

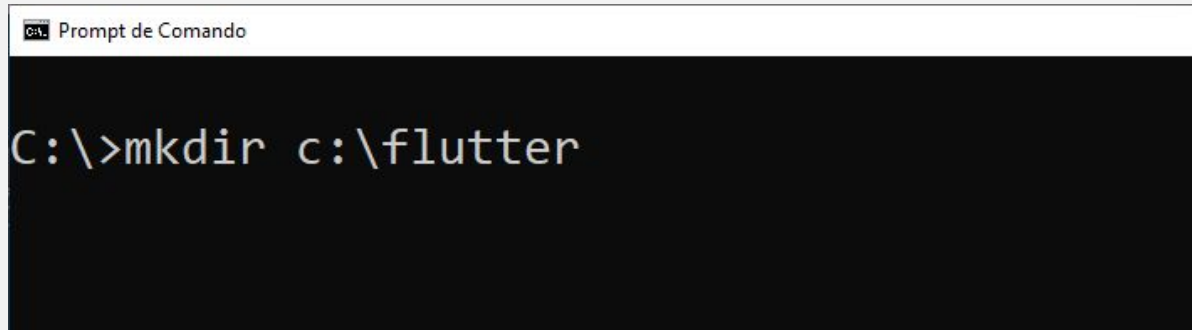
Prof. Dr. Rodrigo Plotze

rodrigoplotze@gmail.com

INSTALAÇÃO e CONFIGURAÇÃO



Passo 1: Criação da pasta **c:\flutter**



```

C:\>mkdir c:\flutter

```



- Utilizar todos os caracteres em minúsculo.
- Não utilizar acentuação ou espaços.

Passo 2: Realizar o download do *Flutter SDK*

<https://flutter.dev/docs/get-started/install>

Install

[Docs](#) > [Get started](#) > Install

Select the operating system on which you are installing Flutter:



Windows



macOS



Linux



Chrome OS

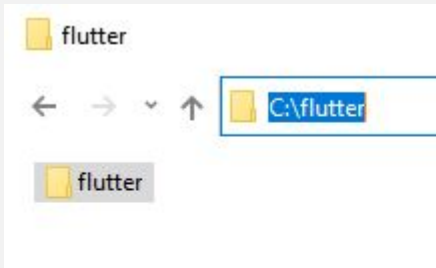
Get the Flutter SDK

1. Download the following installation bundle to get the latest stable release of the Flutter SDK:

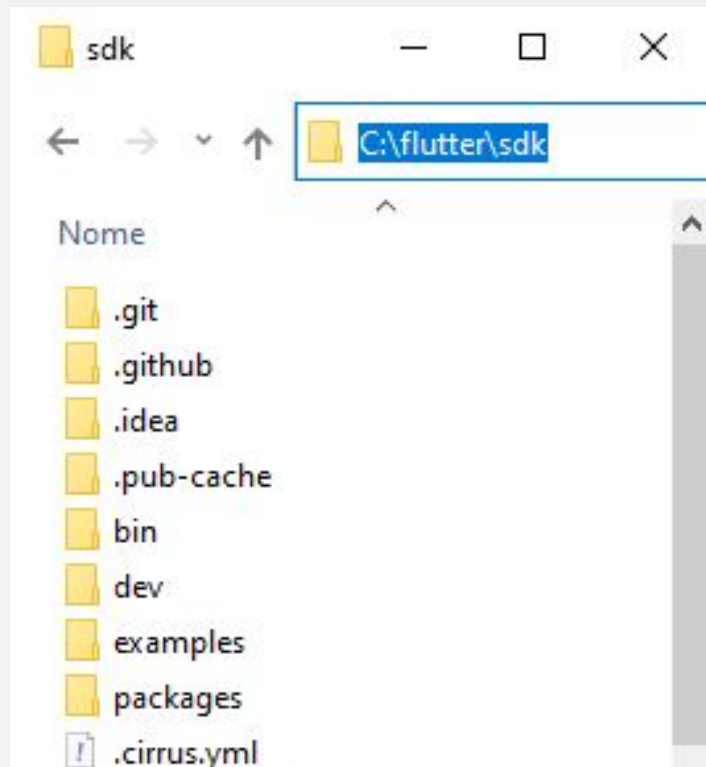
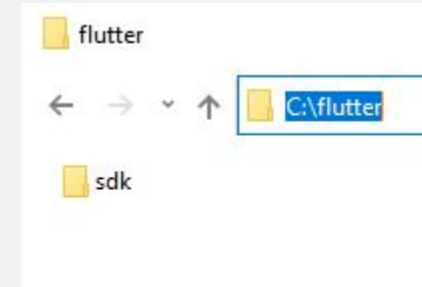
flutter_windows_1.20.2-stable.zip

For other release channels, and older builds, see the [SDK archive](#) page.

Passo 3: Descompactar o **Flutter SDK** no pasta **c:\flutter**



Alterar o nome da pasta para **sdk**.



Verificar o conteúdo da pasta **c:\flutter\sdk**

Passo 4: Variável de ambiente para o Flutter

1 In the 'Propriedades do Sistema' window, click on the 'Avançado' tab and then on the 'Variáveis de Ambiente...' button.

2 In the 'Variáveis de Ambiente' window, select the 'Path' variable in the list.

3 In the 'Variáveis de Ambiente' window, click on the 'Editar...' button.

4 In the 'Editar a variável de ambiente' window, click on the 'Novo' button.

5 In the 'Editar a variável de ambiente' window, enter the path 'c:\flutter\sdk\bin' in the text field.

Passo 5: Verificar a necessidade de instalação das dependências:

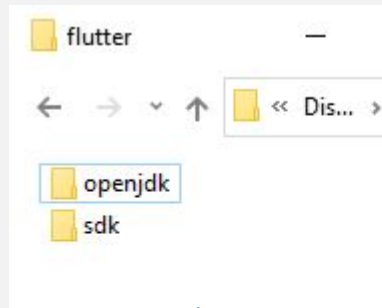
- [Windows PowerShell 5.0](#)
- [Git for Windows](#)



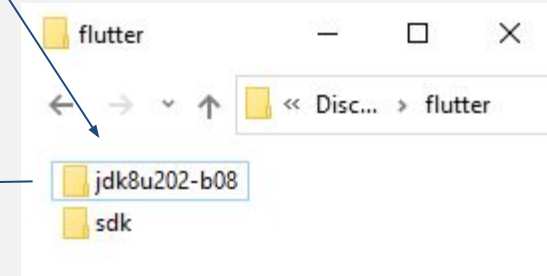
- O Windows 10 já possui o PowerShell pré-instalado.
- Caso você já tenha instalado o Git no seu computador não é necessário instalar novamente.

Passo 6: Realizar o download do Java JDK

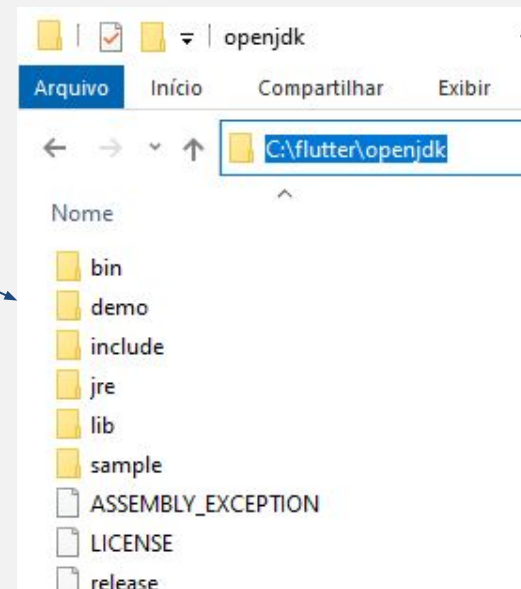
- [OpenJDK 8](#) e descompactar na pasta **c:\flutter**



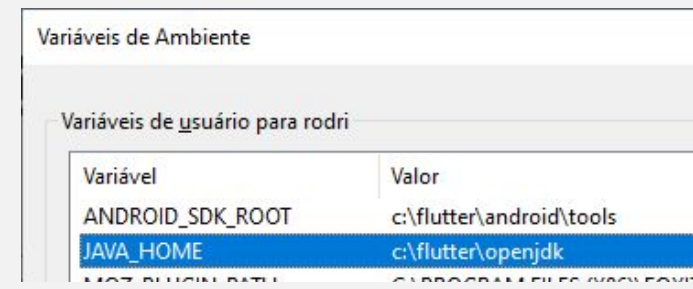
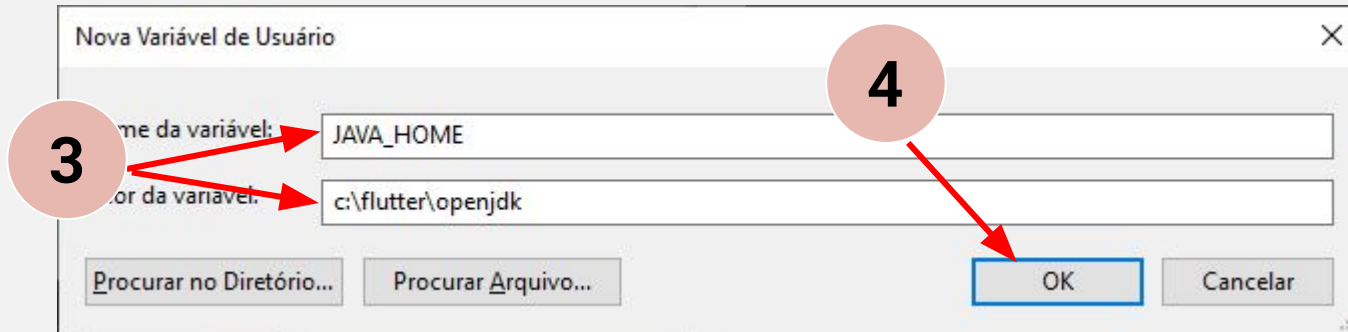
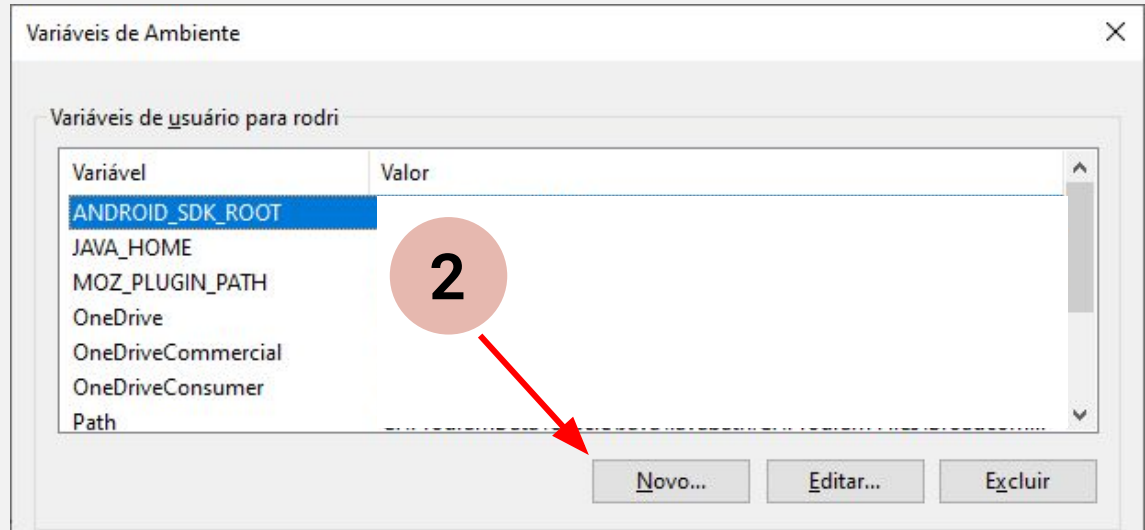
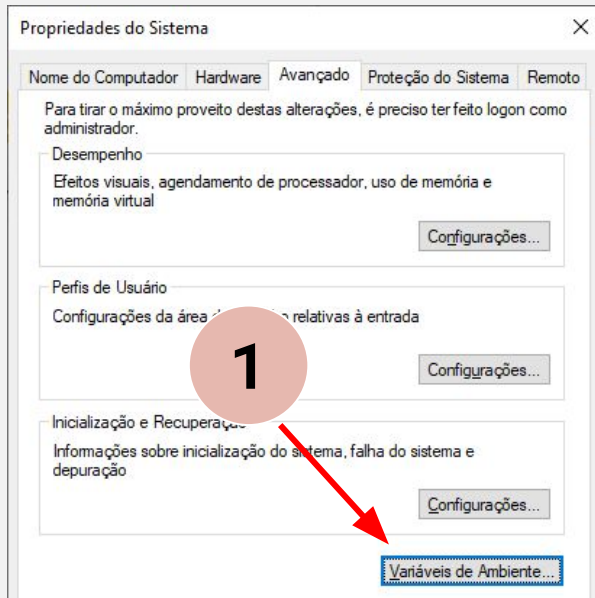
Alterar o nome
da pasta para
openjdk



Verificar o
conteúdo da
pasta **openjdk**

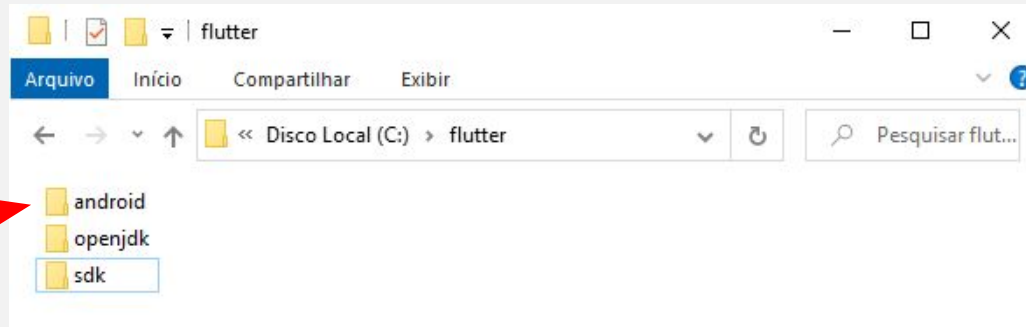


Passo 7: Variável de ambiente do Open JDK

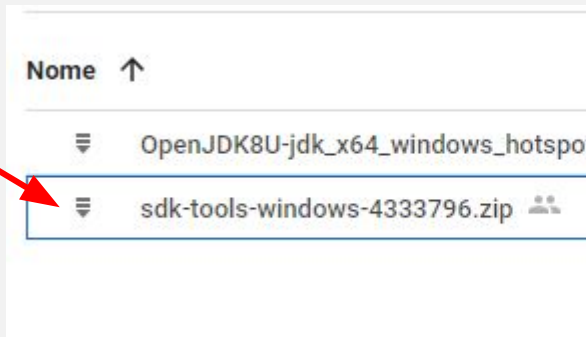


Resultado indicando a variável devidamente criada

Passo 8: Criar a pasta **c:\flutter\android** para o Android SDK.

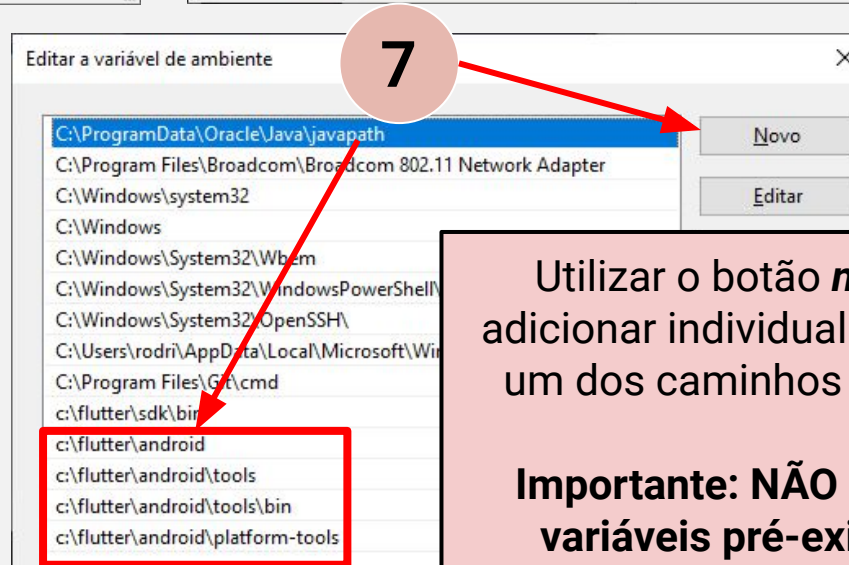
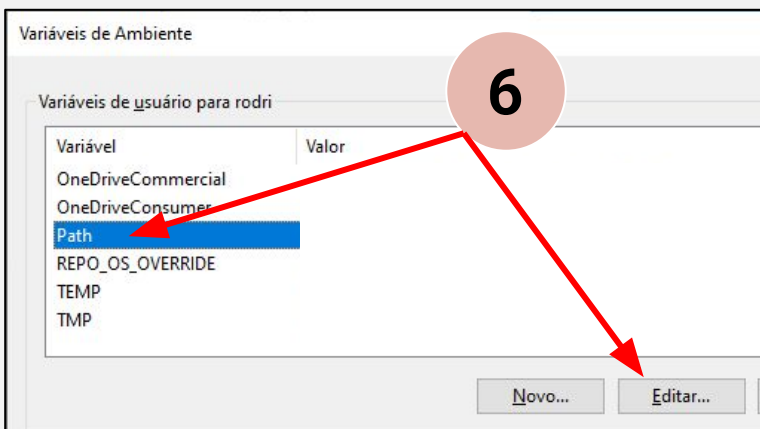
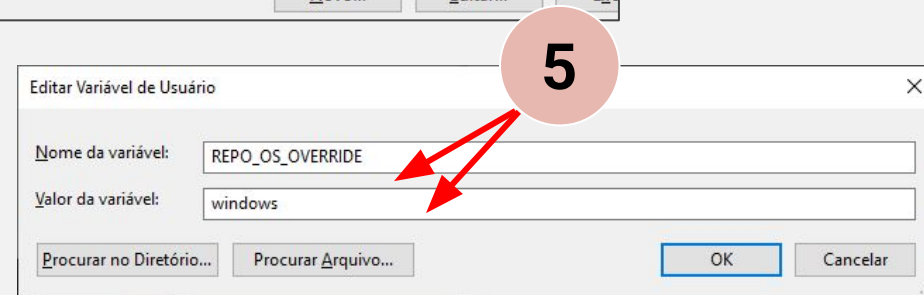
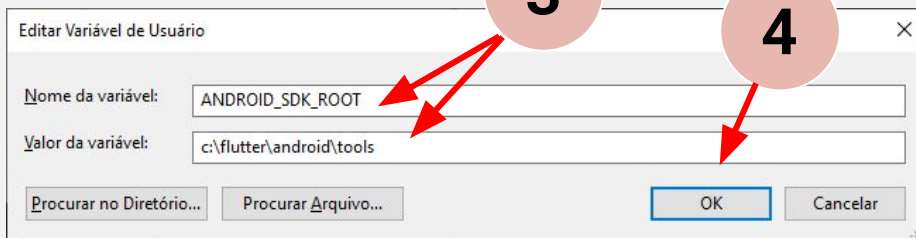
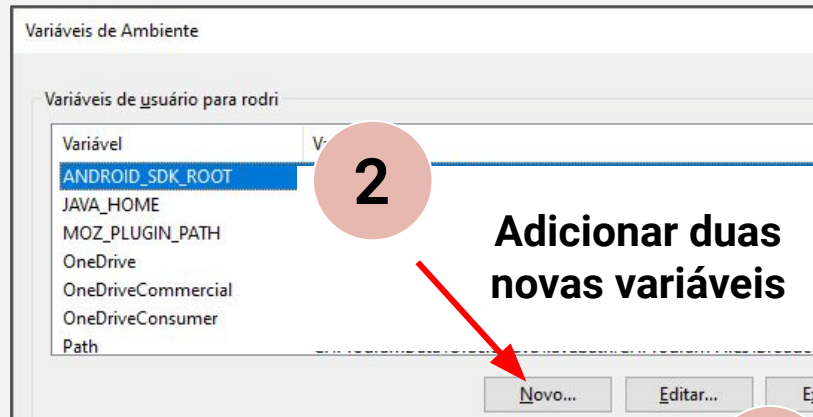
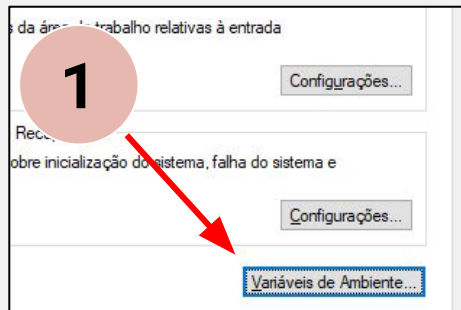


Realizar o download do [Android SDK Tools](#) e descompactar na pasta **c:\flutter\android**.



Importante: a pasta **tools** contida no arquivo **sdk-tools-windows** deve, necessariamente, ser descompactada **dentro** da pasta **android**.

Passo 9: Variáveis de ambiente do Android SDK



Utilizar o botão **novo** para adicionar individualmente cada um dos caminhos indicados.

Importante: NÃO apagar as variáveis pré-existent.

Editar a variável de usuário **Path**

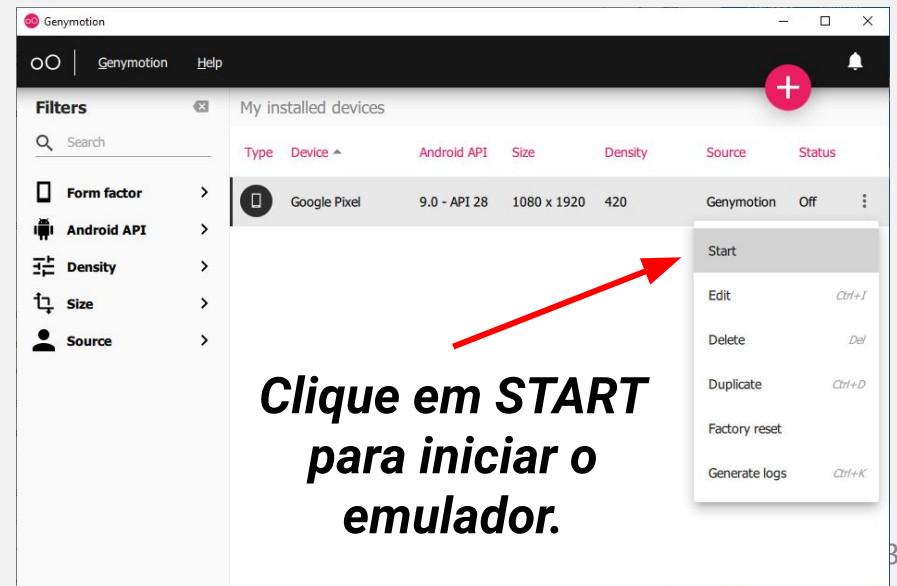
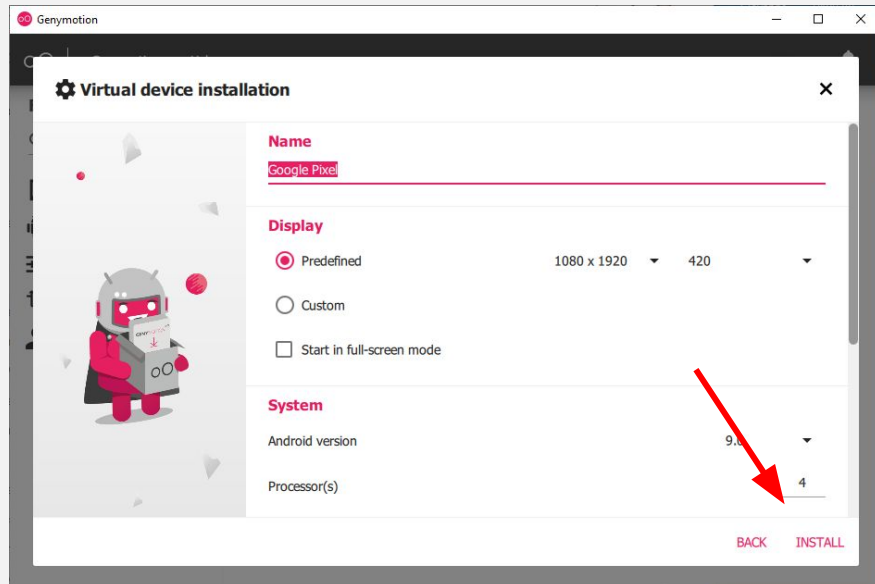
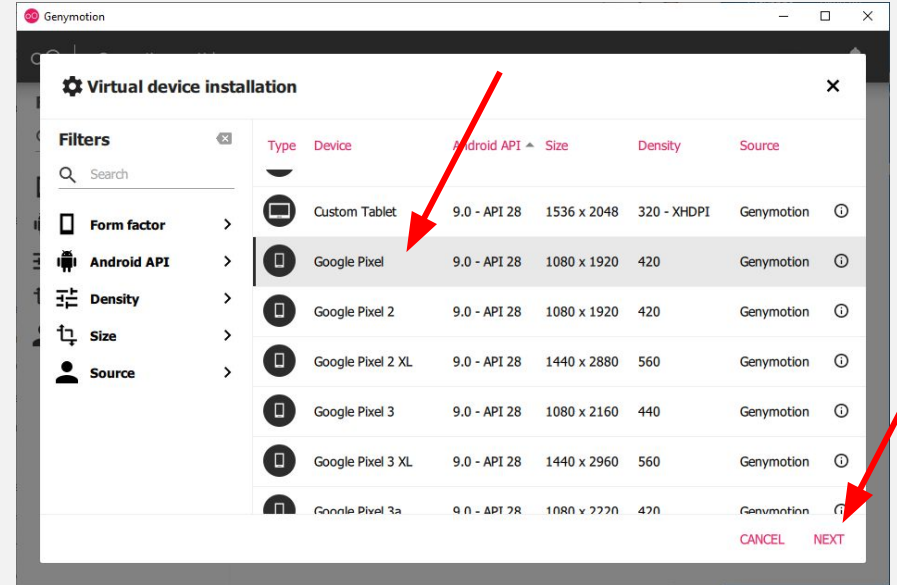
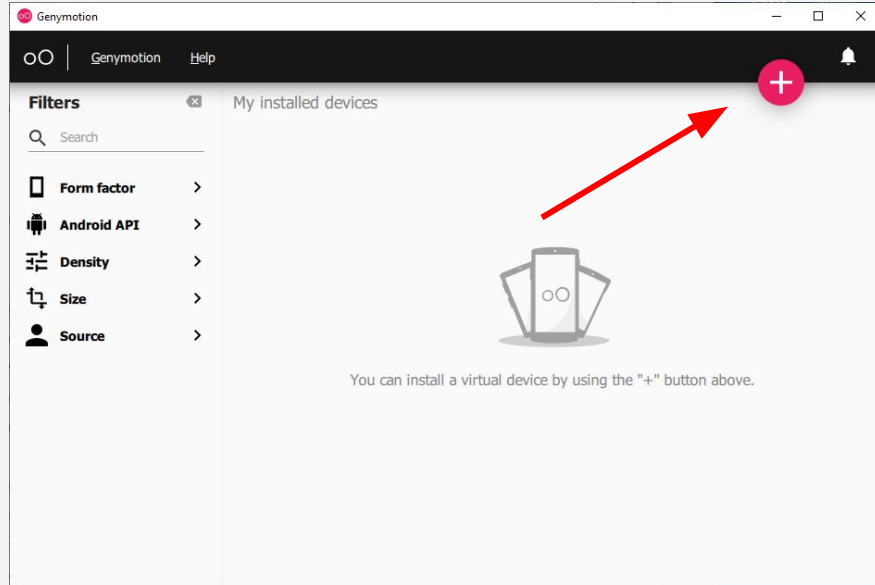
Passo 10: Download e instalação da Plataforma Android para desenvolvimento

```
sdkmanager "system-images;android-30;google_apis;x86_64"  
sdkmanager "platform-tools"  
sdkmanager "build-tools;30.0.2"  
sdkmanager "platforms;android-30"  
sdkmanager extras;google;usb_driver
```



- Executar cada comando individualmente e aguardar o download/instalação.
- Em algumas situações é necessário aceitar a licença.

Passo 11: Criar um novo dispositivo no GenyMotion.

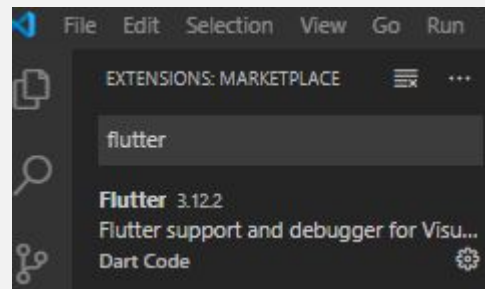


Passo 12: Download e instalação do Visual Studio Code

`code.visualstudio.com/`

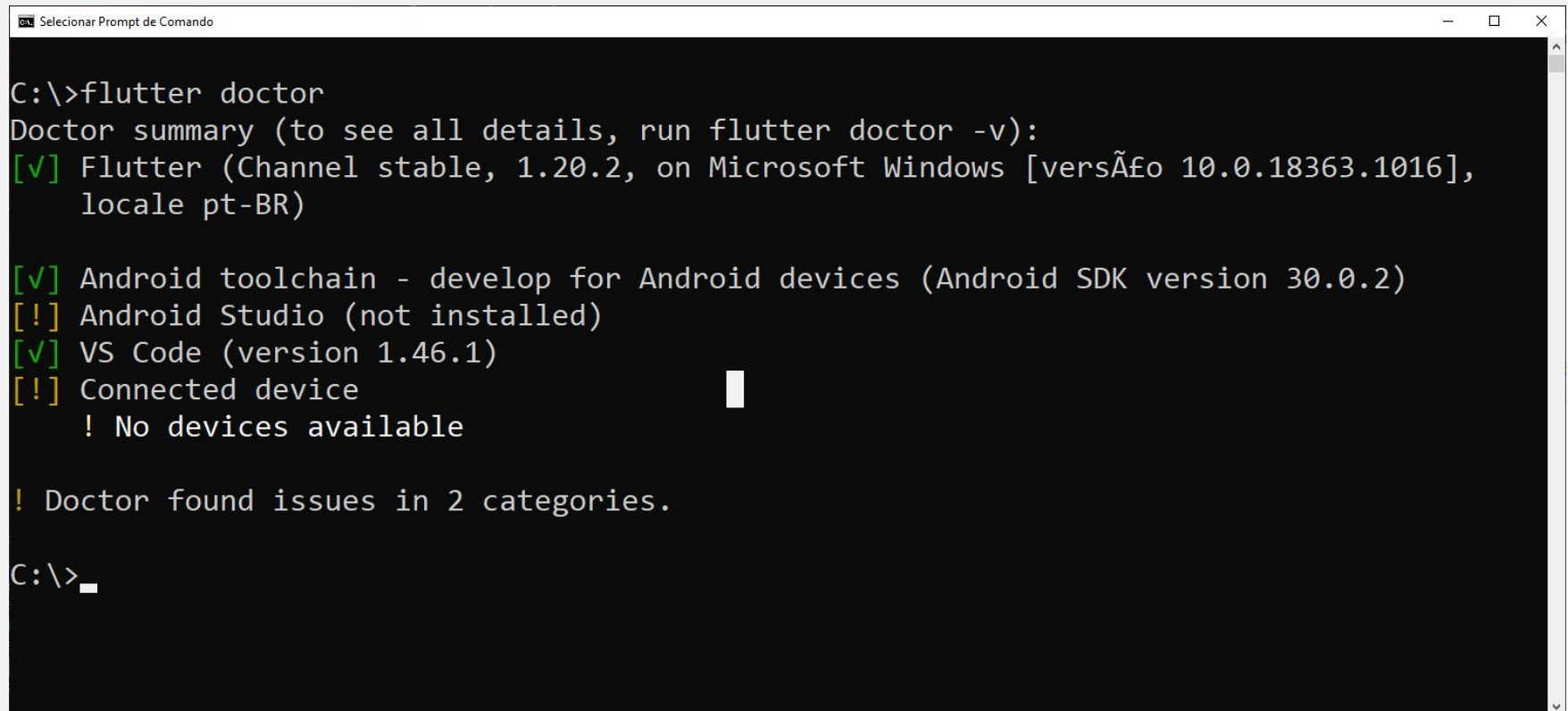
- Adicionar a extensão do Flutter para VS Code

<https://marketplace.visualstudio.com/items?itemName=Dart-Code.flutter>



Executar o comando para verificar se a instalação e configuração foi realizada corretamente:

flutter doctor

A screenshot of a Windows Command Prompt window titled "Selecionar Prompt de Comando". The window has a dark background and white text. The command "flutter doctor" has been executed, and the output is displayed. The output shows the Flutter version (1.20.2) and channel (stable) on Microsoft Windows, the Android toolchain (version 30.0.2), and VS Code (version 1.46.1). It also indicates that Android Studio is not installed and that no devices are currently connected. The command prompt ends with a cursor on a new line.

```
C:\>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 1.20.2, on Microsoft Windows [vers o 10.0.18363.1016],
     locale pt-BR)

[✓] Android toolchain - develop for Android devices (Android SDK version 30.0.2)
[!] Android Studio (not installed)
[✓] VS Code (version 1.46.1)
[!] Connected device
     ! No devices available

! Doctor found issues in 2 categories.

C:\>_
```


Instalação

- Verificar por atualizações

flutter upgrade

```
Upgrading Flutter from D:\flutter...
From https://github.com/flutter/flutter
  659dc8129..fabeb2a16  beta                -> origin/beta
  5e100cd8..d94ff4bdb   dev                -> origin/dev
* [new branch]         ds84182-patch-1    -> origin/ds84182-patch-1
  477686ae1..f769bcc5c  master            -> origin/master
* [new branch]         revert-49827-revert_stuart -> origin/revert-49827-revert_
* [new branch]         revert-50502-revert-49480-ink-splash-ripple-mixin -> orig
h-ripple-mixin
* [new branch]         sjindel.elf           -> origin/sjindel.elf
  9f5ff2306..4e0c97035  v1.12.13-hotfixes -> origin/v1.12.13-hotfixes
* [new tag]            v1.14.5              -> v1.14.5
* [new tag]            v1.14.6              -> v1.14.6
* [new tag]            v1.15.2              -> v1.15.2
* [new tag]            v1.15.0              -> v1.15.0
* [new tag]            v1.15.1              -> v1.15.1
Updating cf37c2cd0..9f5ff2306
 33 files changed, 669 insertions(+), 363 deletions(-)
Flutter is already up to date on channel stable
Flutter 1.12.13+hotfix.7 • channel stable • https://github.com/flutter/flutter.git
Framework • revision 9f5ff2306b (2 weeks ago) • 2020-01-26 22:38:26 -0800
Engine • revision a67792536c
Tools • Dart 2.7.0
```


HABILITAR O FLUTTER WEB SUPPORT



Flutter Web Support

- App Web com Flutter
 - Suporte ao desenvolvimento de App para Web.
 - Permite executar as App Flutter no navegador Chrome.
 - Alternativa, muito interessante, para acelerar a execução das App, ao invés do emulador.

Flutter Web Support

- Configuração do Flutter para Web

```
flutter channel beta  
flutter upgrade  
flutter config --enable-web
```

- Executar o comando `flutter devices`

```
C:\>flutter devices  
2 connected devices:  
  
Chrome      • chrome      • web-javascript • Google Chrome  
Web Server • web-server • web-javascript • Flutter Tools
```

FIM