

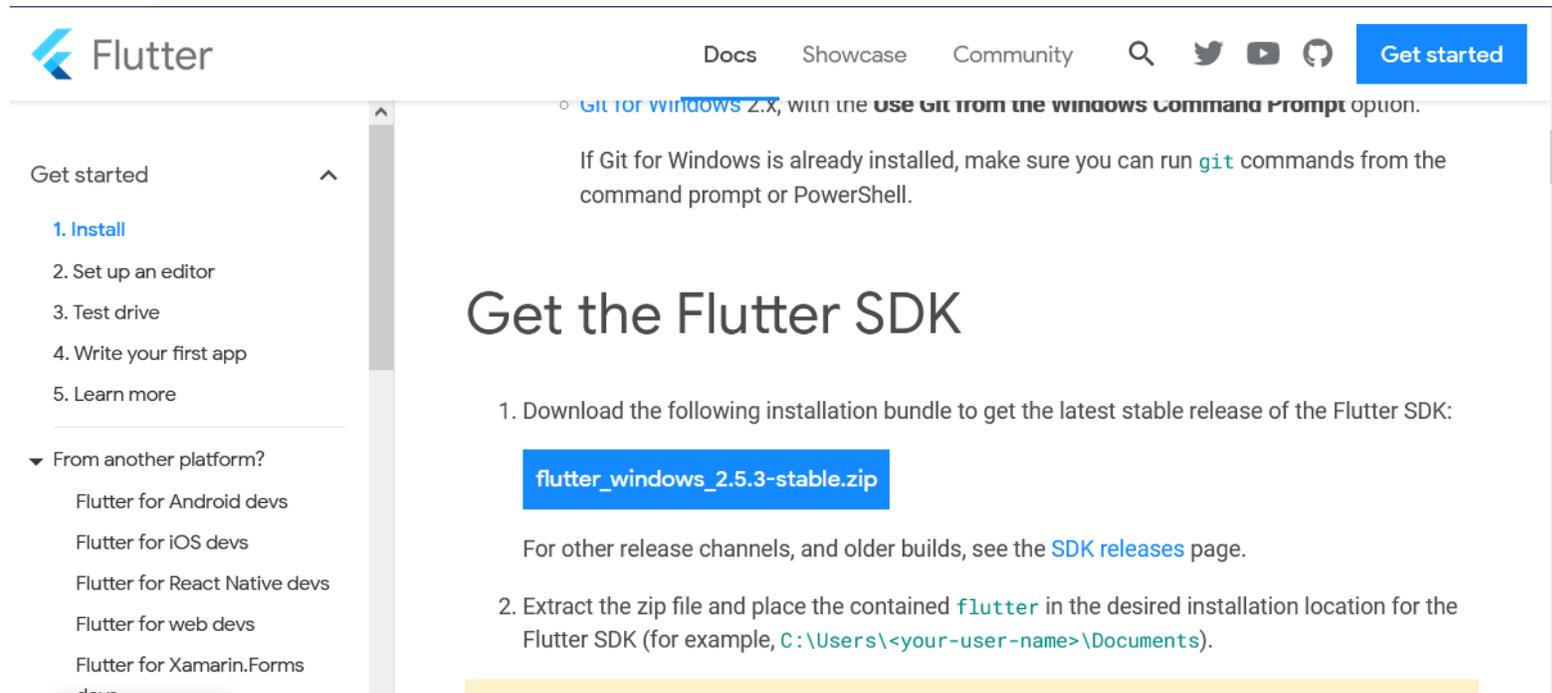
Installation de Flutter

Téléchargement de Flutter SDK

- À partir de l'URL :

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

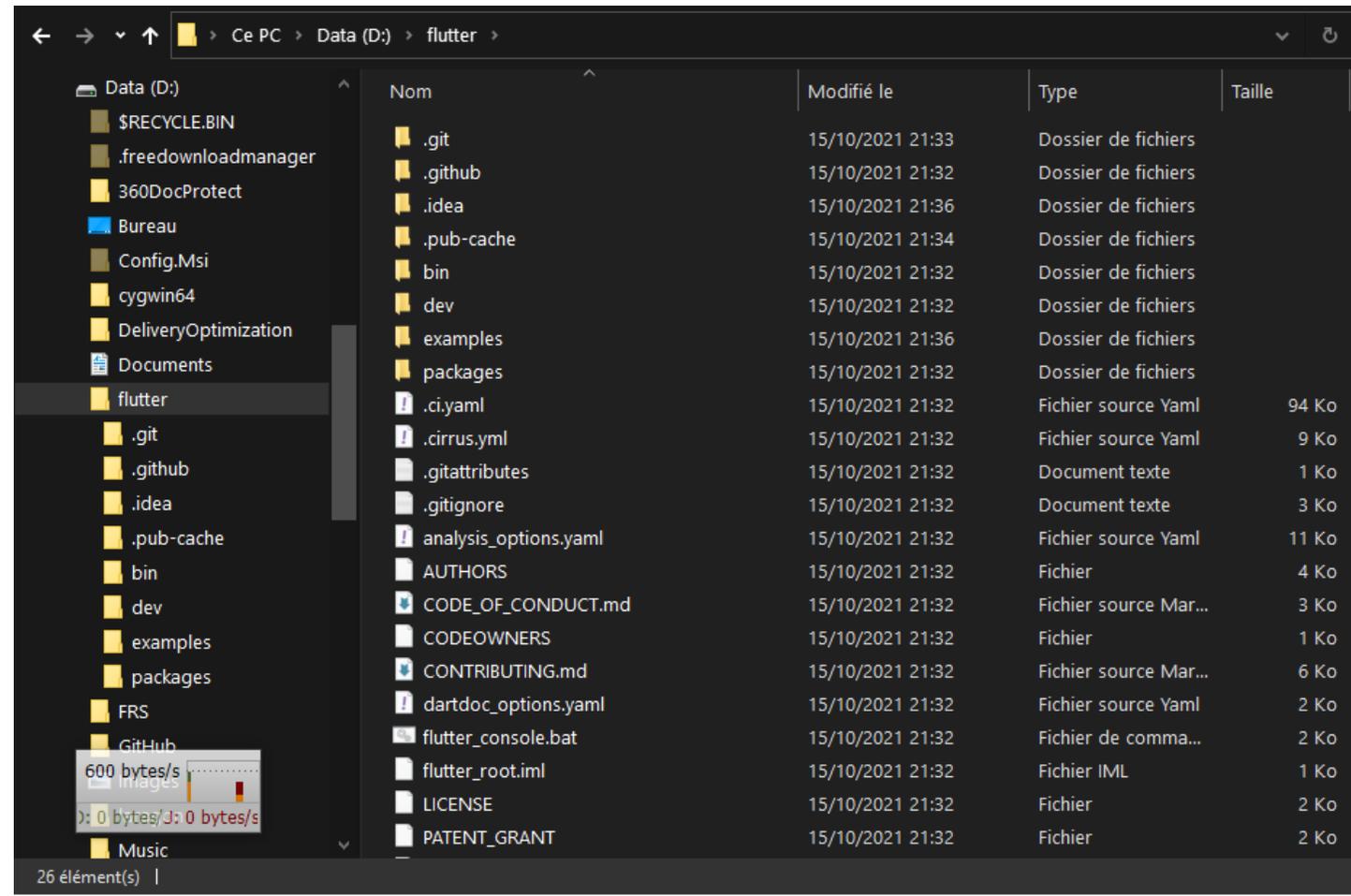
Télécharger la dernière version de Flutter SDK



The screenshot shows the Flutter documentation website. The top navigation bar includes the Flutter logo, links for Docs, Showcase, and Community, a search icon, social media icons for Twitter, YouTube, and GitHub, and a blue 'Get started' button. A left sidebar menu lists 'Get started' with sub-items: '1. Install', '2. Set up an editor', '3. Test drive', '4. Write your first app', and '5. Learn more'. Below this is a section 'From another platform?' with links for 'Flutter for Android devs', 'Flutter for iOS devs', 'Flutter for React Native devs', 'Flutter for web devs', and 'Flutter for Xamarin.Forms devs'. The main content area is titled 'Get the Flutter SDK' and contains the following text: 'Get the Flutter SDK', '1. Download the following installation bundle to get the latest stable release of the Flutter SDK:', a blue button labeled 'flutter_windows_2.5.3-stable.zip', 'For other release channels, and older builds, see the SDK releases page.', and '2. Extract the zip file and place the contained flutter in the desired installation location for the Flutter SDK (for example, C:\Users\<your-user-name>\Documents).'

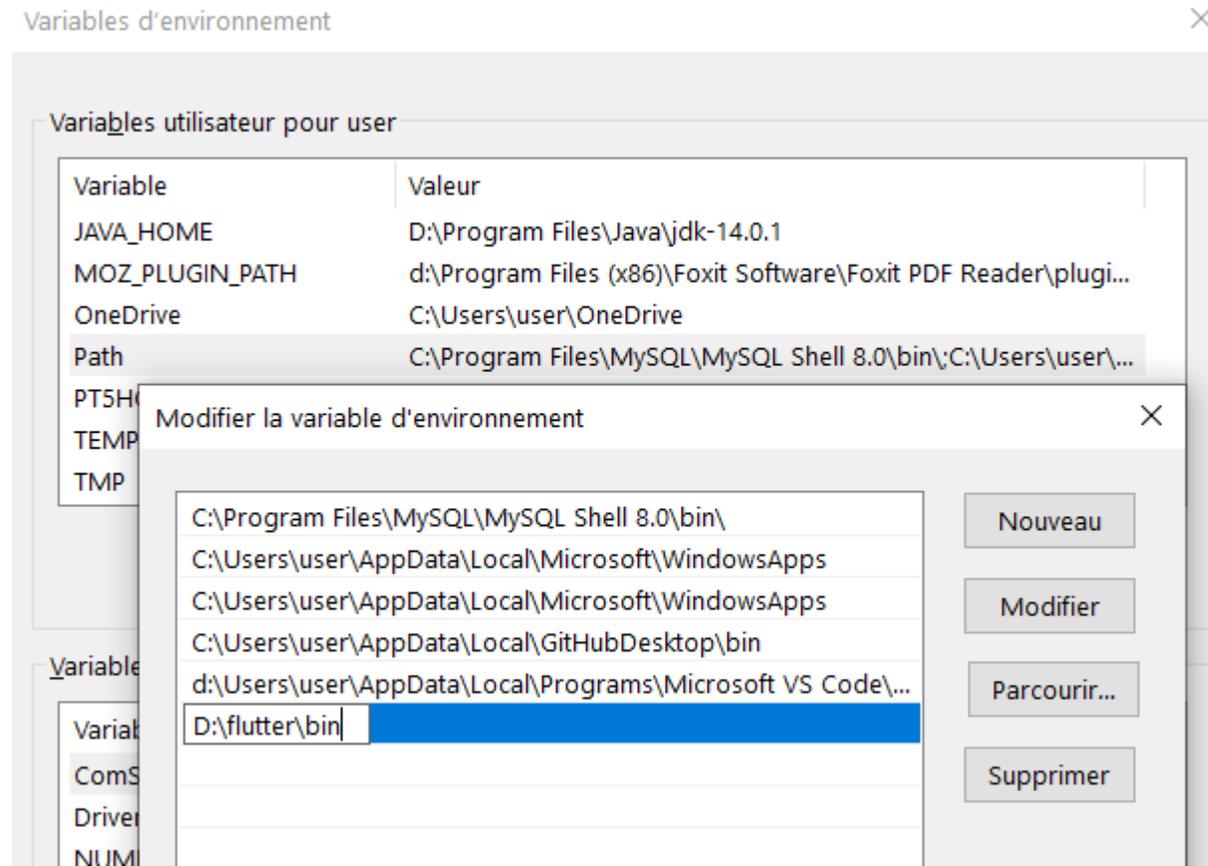
Installation de Flutter

- Décompresser le fichier zip de l'SDK téléchargé et placer le dossier décompressé dans D:/flutter



Installation de Flutter

- Modifier les variables d'environnement
 - Ajouter le chemin de flutter\bin à la variable path de la session utilisateur



Installation de Flutter

- Vérifier la bonne configuration des variables d'environnement avec la commande MSDOS: **where flutter dart**

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [version 10.0.18363.1556]
(c) 2019 Microsoft Corporation. Tous droits réservés.

C:\Users\user>where flutter dart
D:\flutter\bin\flutter
D:\flutter\bin\flutter.bat
D:\flutter\bin\dart
D:\flutter\bin\dart.bat

C:\Users\user>
```

Installation de Flutter (dépendances)

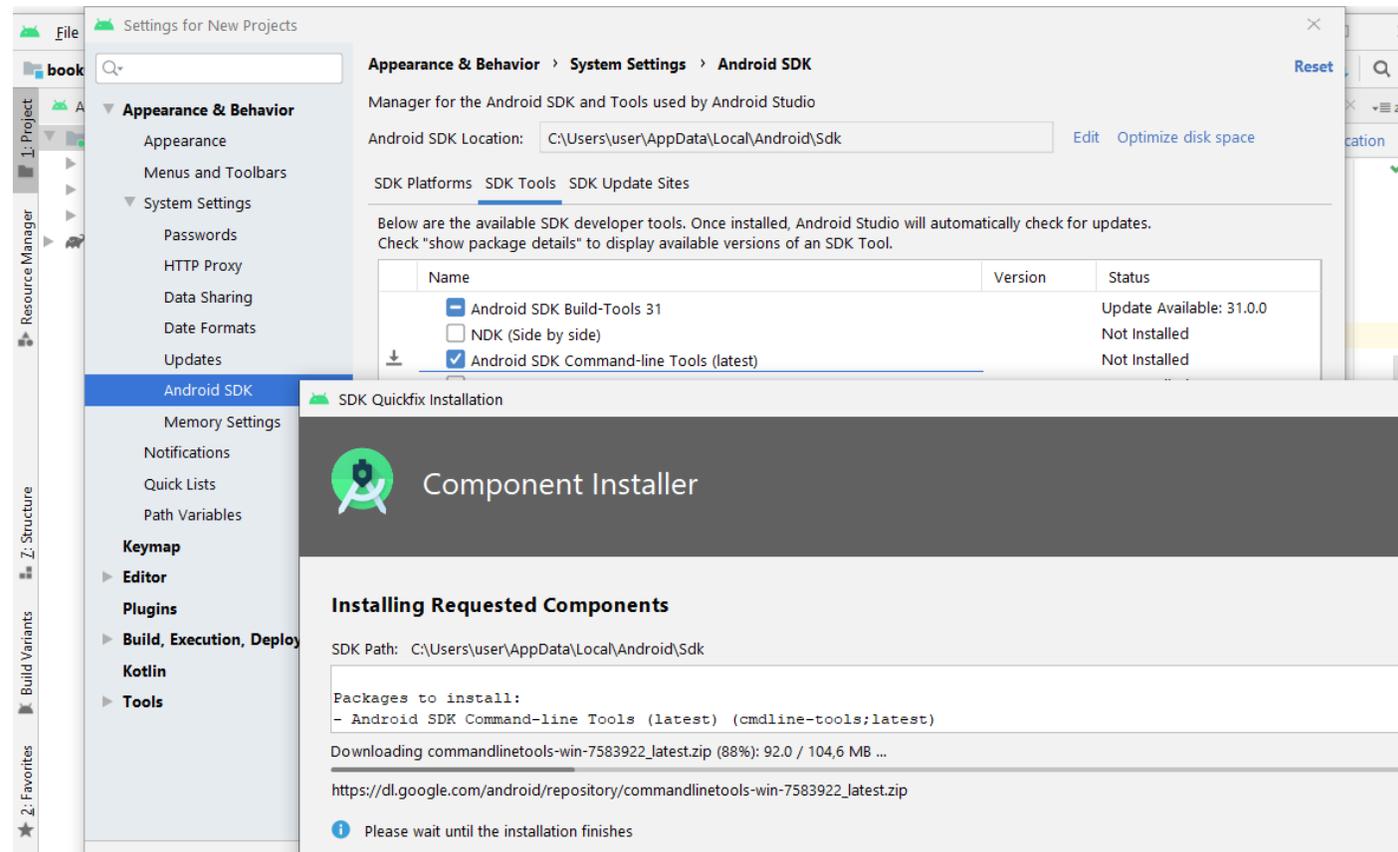
- Executer **flutter doctor** pour vérifier si toutes les dépendances requises sont bien installées.
- Différents type d'erreurs peuvent êtres signalées à ce niveau, comme:
 - 1- 'cmdline-tools component is missing'.
 - 2- 'Flutter plugin or Dart plugin of Android Studio are not installed'
 - 3- 'Android license status unknown.'

```
Running "flutter pub get" in flutter_tools... 11,7s
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 2.5.3, on Microsoft Windows [version 10.0.18363.1556], locale fr-FR)
[!] Android toolchain - develop for Android devices (Android SDK version 29.0.3)
    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 4.0)
[✓] Connected device (2 available)

! Doctor found issues in 1 category.
```

Installation de Flutter (dépendances)

- Exemple de résolution du problème 'cmdline-tools component is missing' . :
- A partir d'android studio, installer l'outil cmdline-tools comme montré par la figure:



Flutter doctor (affichage de résultat de commande sans erreurs)

```
C:\WINDOWS\system32\cmd.exe
D:\flutter>flutter doctor -v
[✓] Flutter (Channel stable, 2.5.3, on Microsoft Windows [version 10.0.18363.1556], locale fr-FR)
    • Flutter version 2.5.3 at D:\flutter
    • Upstream repository https://github.com/flutter/flutter.git
    • Framework revision 18116933e7 (8 days ago), 2021-10-15 10:46:35 -0700
    • Engine revision d3ea636dc5
    • Dart version 2.14.4

[✓] Android toolchain - develop for Android devices (Android SDK version 29.0.3)
    • Android SDK at C:\Users\user\AppData\Local\Android\sdk
    • Platform android-29, build-tools 29.0.3
    • Java binary at: D:\Program Files\Android\Android Studio\jre\bin\java
    • Java version OpenJDK Runtime Environment (build 1.8.0_242-release-1644-b01)
    • All Android licenses accepted.

[✓] Chrome - develop for the web
    • Chrome at C:\Users\user\AppData\Local\Google\Chrome\Application\chrome.exe

[✓] Android Studio (version 4.0)
    • Android Studio at D:\Program Files\Android\Android Studio
    • Flutter plugin version 51.0.1
    • Dart plugin version 193.7547
    • Java version OpenJDK Runtime Environment (build 1.8.0_242-release-1644-b01)

[✓] Connected device (2 available)
    • Chrome (web) • chrome • web-javascript • Google Chrome 94.0.4606.81
    • Edge (web)   • edge   • web-javascript • Microsoft Edge 94.0.992.47

• No issues found!
D:\flutter>
```

Installation de flutter (dépendances)

Flutter s'appuie sur une installation complète d'Android Studio pour utiliser les dépendances de la plate-forme Android. Cependant, d'autres éditeurs puissent être utilisés

Installation de flutter (Installation d'un éditeur VS Code)

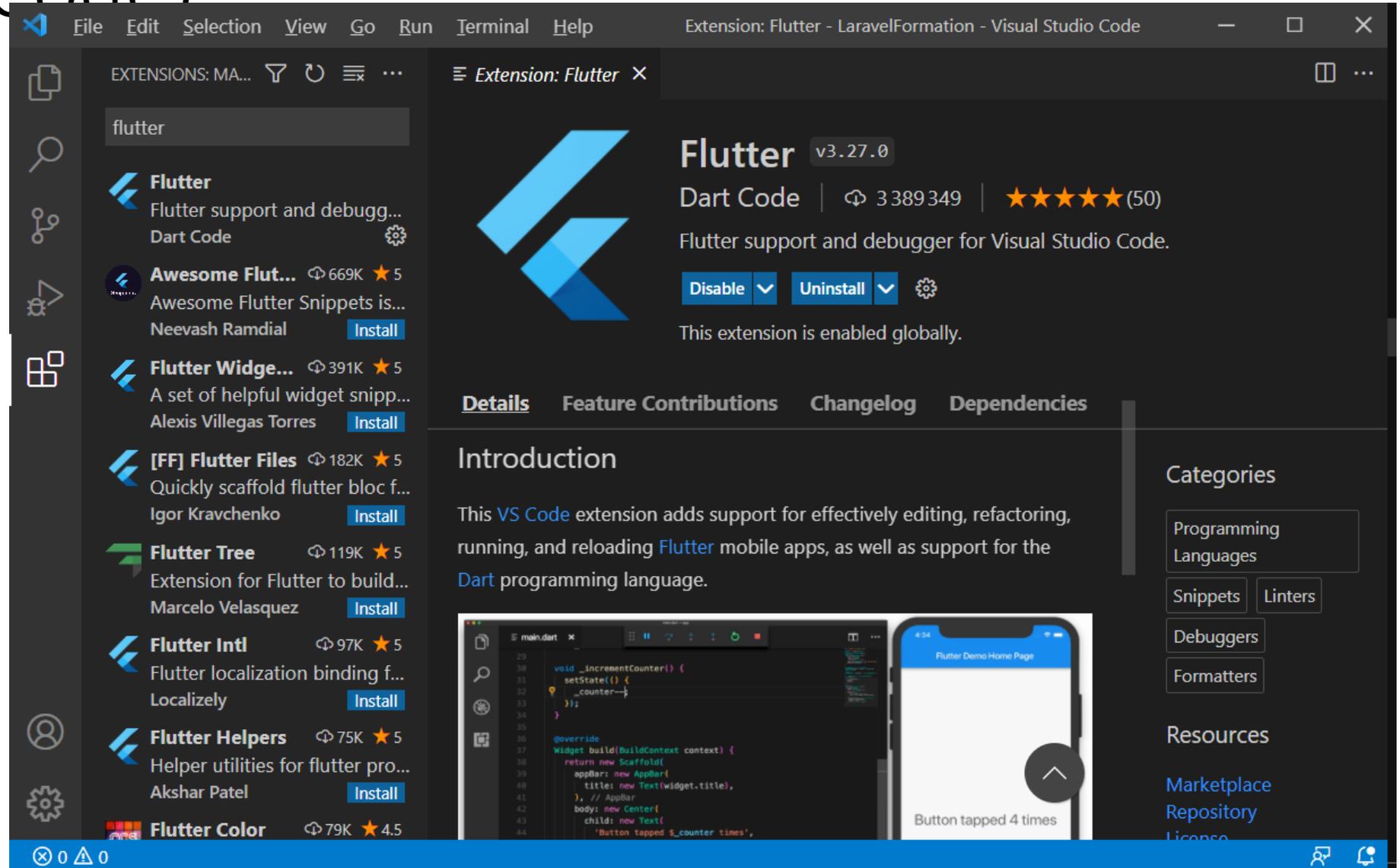
- VS Code est un éditeur léger avec prise en charge de l'exécution et du débogage de l'application Flutter.
- Téléchargeable à partir de :
<https://code.visualstudio.com/>

Installation de flutter (Ajout de flutter et dart dans VS Code)

Installez les plugins Flutter et Dart :

- Démarrez VS Code.
- Allez à Affichage > Palette de commandes....
- Tapez « installer » et sélectionnez Extensions : installer les extensions.
- Tapez "flutter" dans le champ de recherche des extensions, sélectionnez Flutter dans la liste et cliquez sur Installer. Cela installe également le plugin Dart requis.

Installation de flutter (Ajout de flutter et dart dans VS Code)



The screenshot displays the Visual Studio Code interface with the Flutter extension page open. The left sidebar shows a list of extensions, with 'Flutter' selected. The main panel shows the details for the 'Flutter' extension by 'LaravelFormation', version 3.27.0. The extension is currently installed and enabled globally. Below the extension details, there is an 'Introduction' section and a preview of the Flutter mobile app running in the VS Code environment.

Flutter v3.27.0
Dart Code | 3 389 349 | ★★★★★ (50)
Flutter support and debugger for Visual Studio Code.

[Disable](#) [Uninstall](#) ⚙️

This extension is enabled globally.

[Details](#) [Feature Contributions](#) [Changelog](#) [Dependencies](#)

Introduction

This [VS Code](#) extension adds support for effectively editing, refactoring, running, and reloading [Flutter](#) mobile apps, as well as support for the [Dart](#) programming language.

Categories

- Programming Languages
- Snippets
- Linters
- Debuggers
- Formatters

Resources

- Marketplace
- Repository
- License

```
main.dart x  
29  
30 void _incrementCounter() {  
31   setState(() {  
32     _counter++;  
33   });  
34 }  
35  
36 @override  
37 Widget build(BuildContext context) {  
38   return new Scaffold(  
39     appBar: new AppBar(  
40       title: new Text(widget.title),  
41     ), // AppBar  
42     body: new Center(  
43       child: new Text(  
44         'Button tapped $counter times',
```

Installation de flutter (Ajout de flutter et dart dans Android Studio)

The screenshot shows the Android Studio interface during the installation of the Flutter plugin. The 'Plugins' marketplace is open, displaying the Flutter plugin with an 'Install' button. A 'Third-party Plugins Privacy Note' dialog box is overlaid on the screen, warning that using third-party plugins may involve processing personal data. The dialog has 'Accept' and 'Cancel' buttons. In the background, the 'Settings for New Projects' dialog is visible, with the 'Plugins' section selected in the left sidebar. The Flutter plugin details show a size of 9.6M and version 51.0.1.

Third-party Plugins Privacy Note

Using third-party plugins may involve a plugin vendor processing your personal data. Please check the plugin vendor's documentation for details concerning personal data processing.

JetBrains is not responsible for any processing of your personal data by any third-party plugin vendors.

Accept Cancel

Flutter (Size: 9,6M)

Flutter gives developers an easy and productive way to build and deploy apps for both Android and iOS from a single codebase. Flutter is a framework for building beautiful, native user interfaces, and it's built on top of Dart. To get started, see the Flutter website. For more information, see the Flutter plugins directory, under `/flutter-intellij/jxbrowser`.

- Use the instructions and build script from [JxBrowser](#) to relink it with modified components.

Change Notes

OK Cancel Apply Help

Installation de flutter (configuration dans VS Code)

Validez la configuration avec le Flutter Doctor

- Allez à Affichage > Palette de commandes....
- Tapez « doctor » et sélectionnez sélectionnez Flutter : lancez Flutter Doctor
- vérifier la sortie dans le volet SORTIE pour tout problème.