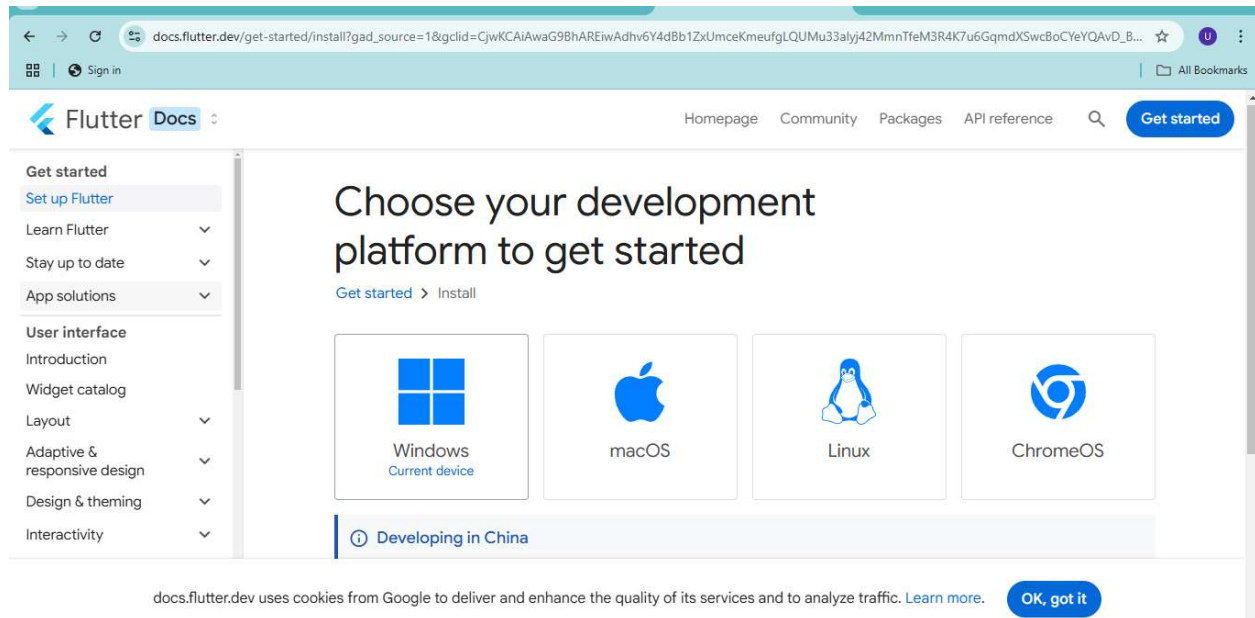


Install the Flutter SDK

Step 1: Download the installation bundle of the Flutter Software Development Kit for windows. To download Flutter SDK, Go to its official website <https://docs.flutter.dev/get-started/install> , you will get the following screen.



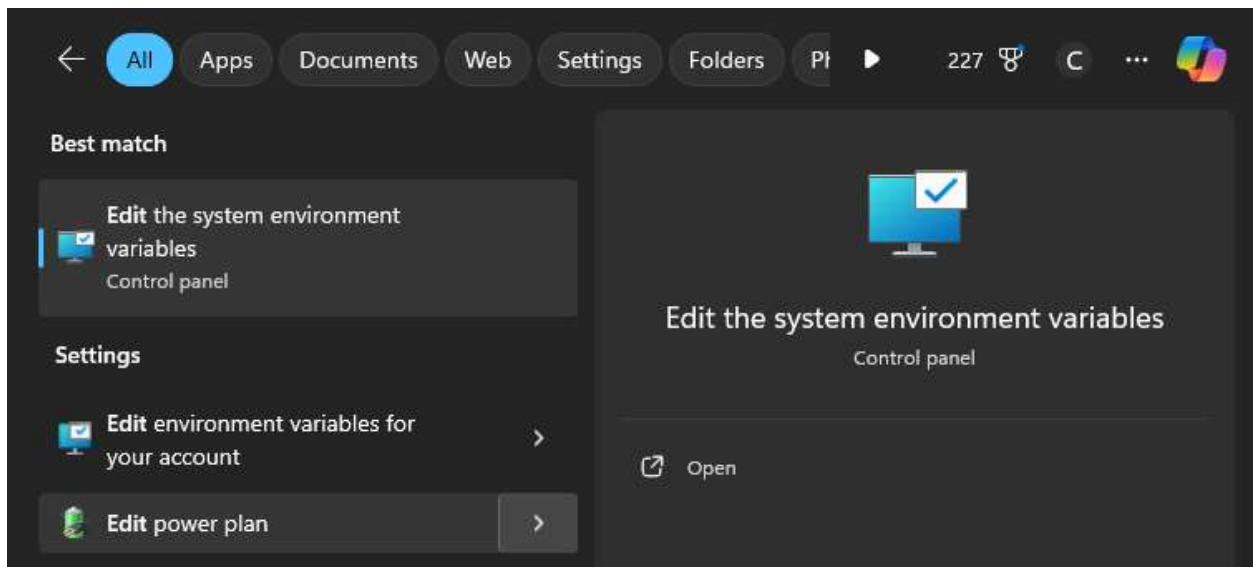
Step 2: Next, to download the latest Flutter SDK, click on the Windows icon. Here, you will find the download link for SDK.

Step 3: Extract the Files

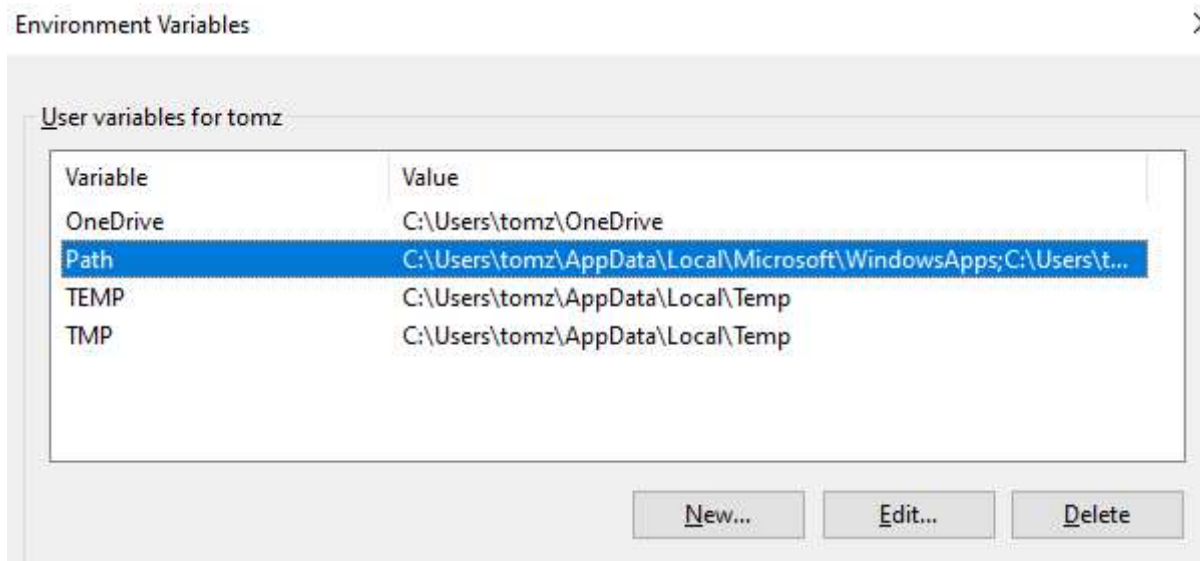
Extract the downloaded zip file and move it to the desired location you want to install Flutter SDK. Do not install it in a folder or directory that requires elevated privileges, (such as *C:\Program Files*) to ensure the program runs properly. For this tutorial, it will be stored in *C:\development\flutter*.

Step 3: Update Path Variable for Windows PowerShell

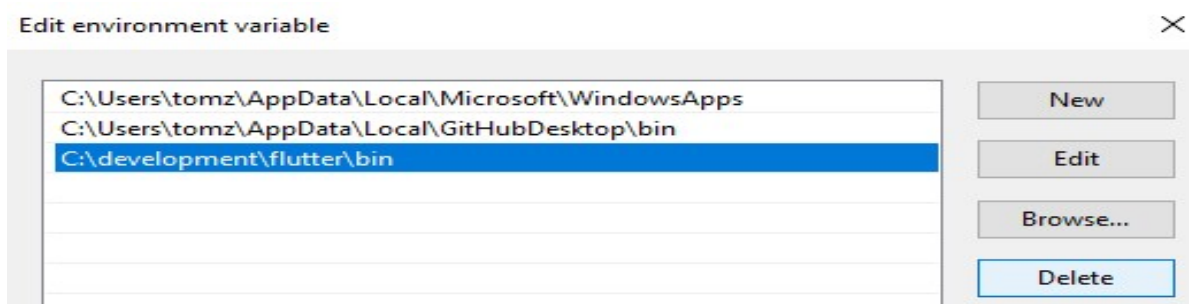
Next, you need to update your Path environment variable to run Flutter commands in Windows consoles PowerShell and Command Prompt (CMD). First, click the Start button and type to search for and then click on **Edit environment variables for your account**.



Under User variables, click on and highlight **Path**. Click **Edit**.



On the next screen, click **New** and add the full path to your *flutter\bin* directory. For this guide, it is shown below. Click OK on both windows to enable running Flutter commands in Windows consoles.



Step 4: Confirm Installed Tools for Running Flutter

In CMD, run the *flutter doctor* command to confirm the installed tools along with brief descriptions.

```
C:\Users\tomz>flutter doctor
Running "flutter pub get" in flutter_tools... 8,9s
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 2.10.4, on Microsoft Windows [Version 10.0.19041.746], locale en-US)
[X] Android toolchain - develop for Android devices
    X Unable to locate Android SDK.
      Install Android Studio from: https://developer.android.com/studio/index.html
      On first launch it will assist you in installing the Android SDK components.
      (or visit https://flutter.dev/docs/get-started/install/windows#android-setup for
      detailed instructions).
      If the Android SDK has been installed to a custom location, please use
      'flutter config --android-sdk' to update to that location.

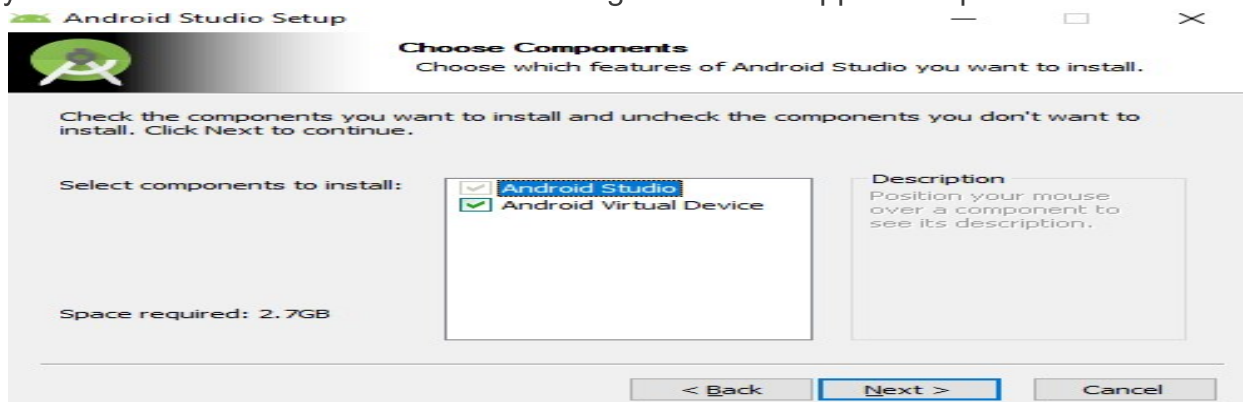
[✓] Chrome - develop for the web
[X] Visual Studio - develop for Windows
    X Visual Studio not installed; this is necessary for Windows development.
      Download at https://visualstudio.microsoft.com/downloads/.
      Please install the "Desktop development with C++" workload, including all of its
      default components
[!] Android Studio (not installed)
[✓] Connected device (2 available)
[✓] HTTP Host Availability

! Doctor found issues in 3 categories.
```

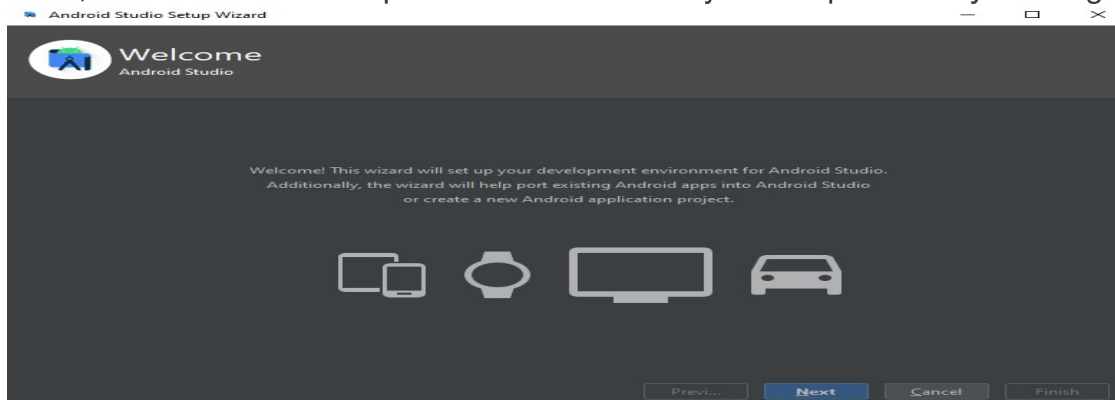
As visible, several components still need to be installed to complete the installation.

Step 5: Download and Install Android Studio

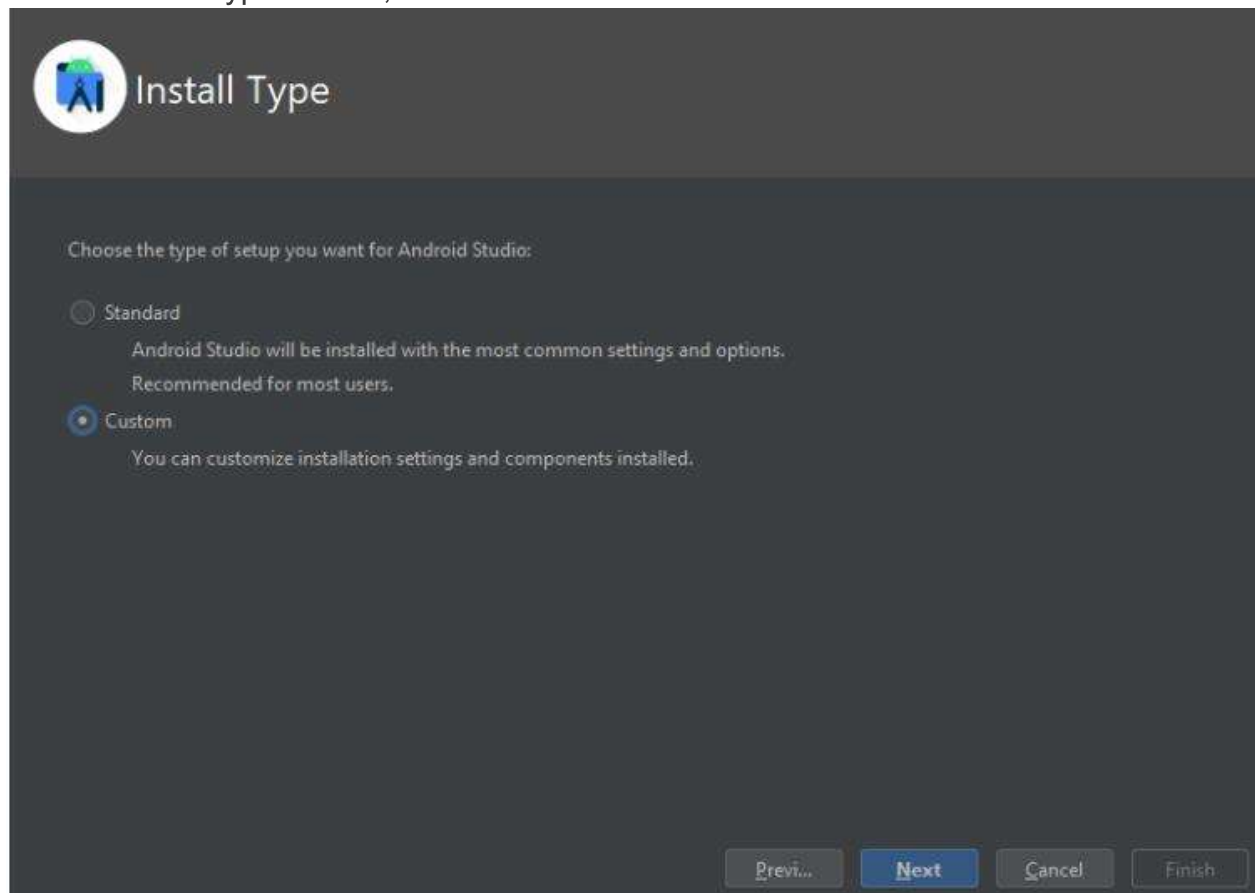
Continue by downloading Android Studio. In the setup, unless you have specific requirements, you can click Next on all screens leaving the default settings. Ensure that the Android Virtual Device option is selected on the Choose Components screen so that you can have an Android emulator running for Android app development.



Afterward, Android Studio Setup Wizard will start and you can proceed by clicking **Next**.



On the Install Type screen, select Custom and click **Next**.



Verify the selections and click **Next**.

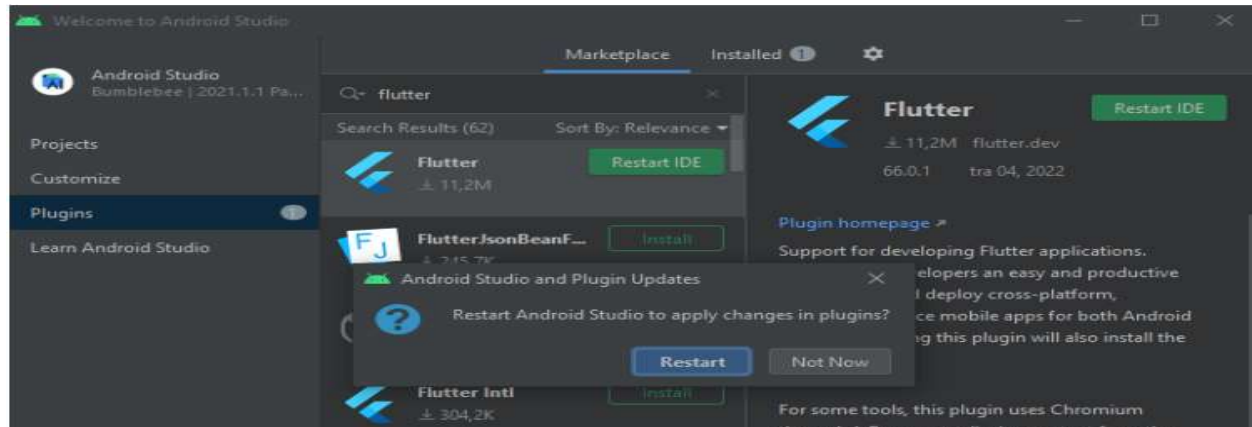
On the next screen, accept the License Agreement and click **Finish**.

The download of the components will start and Android Studio install. Once completed, click **Finish**.

After the installation, start Android Studio. On the left side, click **Plugins**. Search for Flutter and click **Install** to install the Flutter plugin.

It will also prompt you to install Dart, a programming language used to create Flutter apps. Click **Install** at the prompt.

Finally, click **Restart IDE** so that the plugin changes are applied. Click **Restart** at the prompt to confirm this action.



Afterward, run the *flutter doctor* command in CMD to confirm the Android Studio installation.

```
C:\Users\tomz>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 2.10.4, on Microsoft Windows [version 10.0.19041.746], locale en-US)
[!] Android toolchain - develop for Android devices (Android SDK version 32.1.0-rc1)
    ! Some Android licenses not accepted. To resolve this, run: flutter doctor --android-licenses
[✓] Chrome - develop for the web
[X] Visual Studio - develop for Windows
    X Visual Studio not installed; this is necessary for Windows development.
      Download at https://visualstudio.microsoft.com/downloads/.
      Please install the "Desktop development with C++ workload, including all of its default components
[✓] Android Studio (version 2021.1)
[✓] Connected device (2 available)
[✓] HTTP Host Availability

! Doctor found issues in 2 categories.
```

