

Flutter Application Development Setup

Windows Environment

1. Download the [Visual Studio Code installer](https://code.visualstudio.com/docs?dv=win) for Windows.

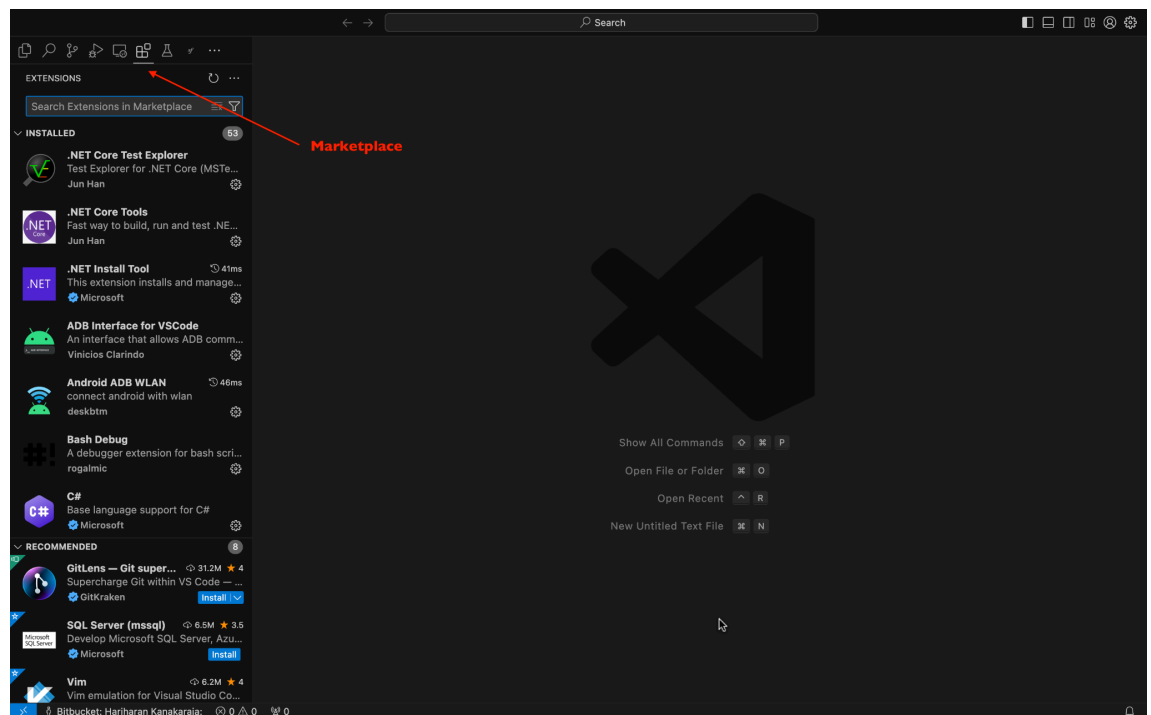
<https://code.visualstudio.com/docs?dv=win>

Visual Studio Code Download official Documentation

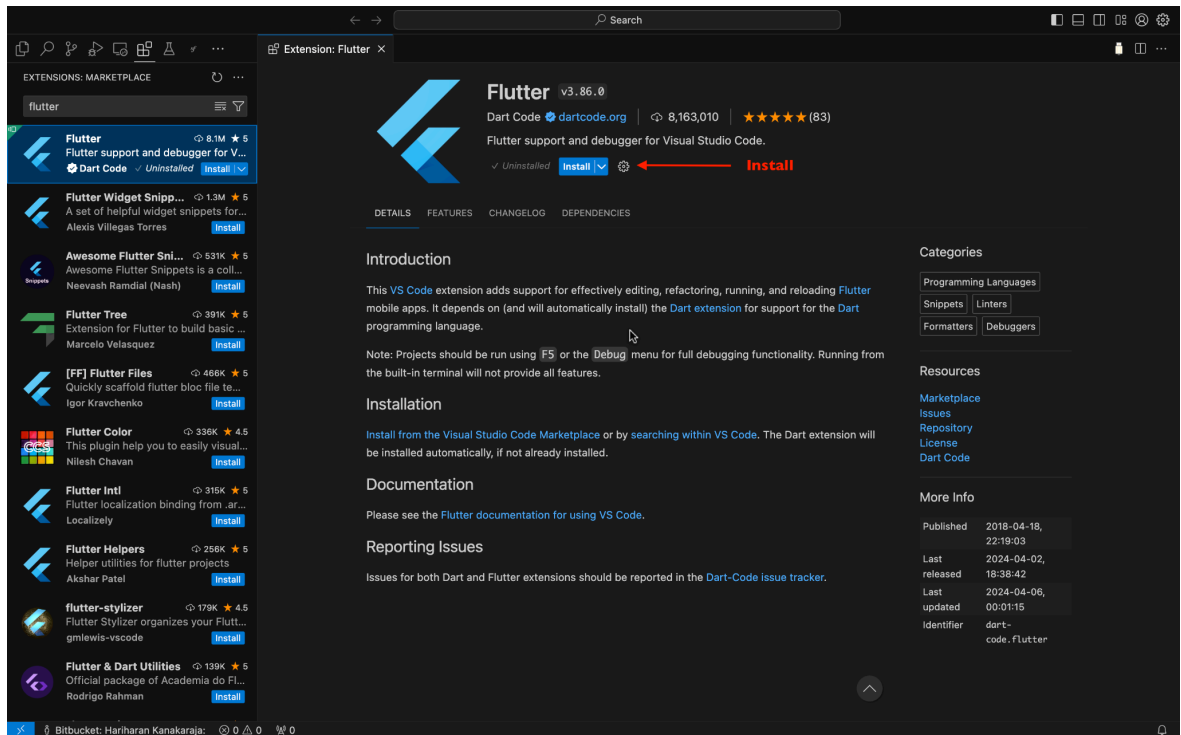
<https://code.visualstudio.com/docs/setup/windows>

After the download, Please install by click the installer file.

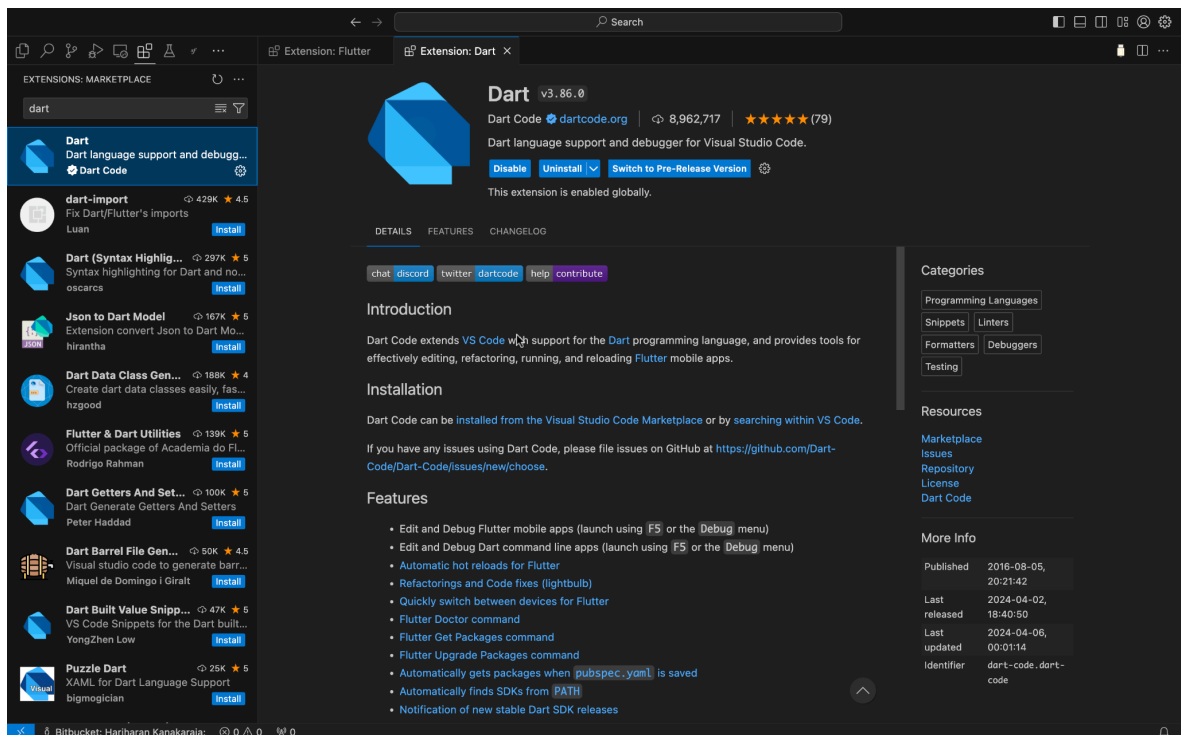
2. Install the [VS Code Flutter extension](#)
 - a. Open the visual studio code
 - b. Navigate the margaret place



- c. Search [Flutter](#) in the search box
- d. Install the Plugin



e. Also install Dart plugin



3. Install Flutter SDK

a. Download the file

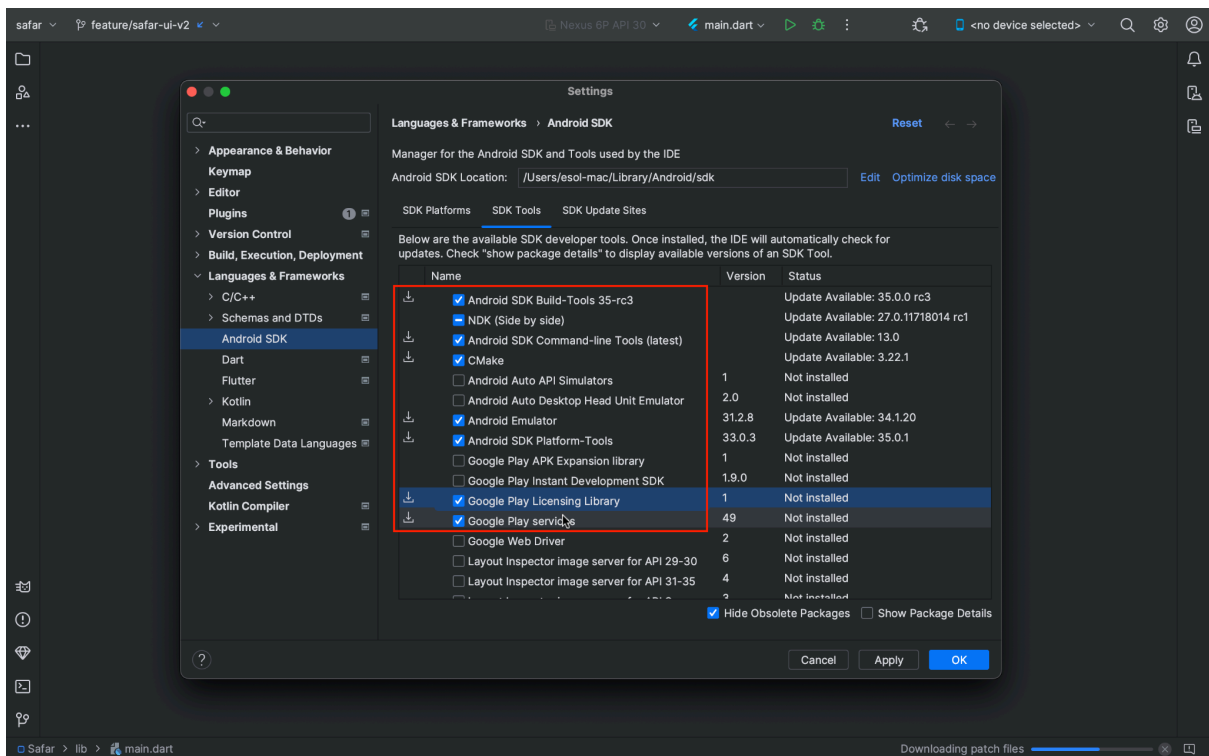
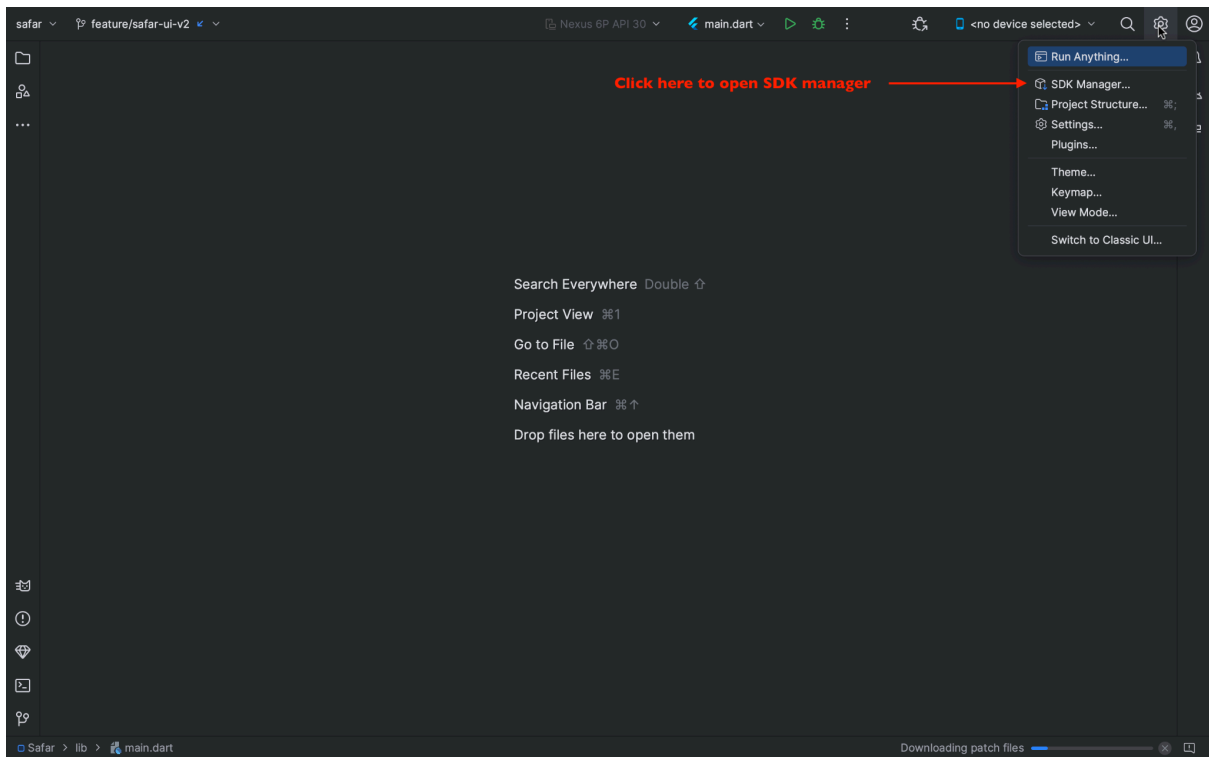
https://storage.googleapis.com/flutter_infra_release/releases/stable/windows/flutter_windows_3.19.6-stable.zip

- b. Create a folder named flutter under
`C:\Users\{username}\AppData\Local\Flutter`
- c. Expand the zip file to `C:\Users\{username}\AppData\Local\Flutter` this folder
- d. Update your Windows PATH variable (for command line)
 - i. Press **Windows** + **Pause**.
If your keyboard lacks a **Pause** key, try **Windows** + **Fn** + **B**.
The System > About dialog displays.
 - ii. Click Advanced System Settings > Advanced > Environment Variables...or search
The Environment Variables dialog displays.
 - iii. In the User variables for (username) section, look for the Path entry.
 - 1. If the entry exists, double-click on it.
The Edit Environment Variable dialog displays.
 - a. Double-click in an empty row.
 - b. Type
`C:\Users\{username}\AppData\Local\Flutter\dev\flutter\bin.`
 - c. Click the %USERPROFILE%\dev\flutter\bin entry.
 - d. Click Move Up until the Flutter entry sits at the top of the list.
 - e. Click OK three times.
 - 2. If the entry doesn't exist, click New....
The Edit Environment Variable dialog displays.
 - a. In the Variable Name box, type `Path`.
 - b. In the Variable Value box, type
`C:\Users\{username}\AppData\Local\Flutter\dev\flutter\bin`
 - c. Click OK three times.
 - iv. **To enable these changes, close and reopen any existing command prompts and PowerShell instances**

4. Configure Android development

- a. Download Android Studio
 - i. <https://developer.android.com/studio>
 - ii. Follow the Android Studio Setup Wizard.
 - iii. Open SDK manager window
 - iv. Install the following components:
 - 1. Android SDK Platform, API 34.0.0
 - 2. Android SDK Command-line Tools

3. Android SDK Build-Tools
4. Android SDK Platform-Tools
5. Android Emulator



5. Verify Installation

- a. Open command line tools
- b. Run the following command to enable signing licenses.

```
C:> flutter doctor --android-licenses
```

- c. Run the following command to verify the setup

```
C:> flutter doctor
```

Running flutter doctor...

Doctor summary (to see all details, run flutter doctor -v):

[✓] Flutter (Channel stable, 3.19.3, on Microsoft Windows 11 [Version 10.0.22621.3155], locale en)

[✓] Windows version (Installed version of Windows is version 10 or higher)

[✓] Android toolchain - develop for Android devices (Android SDK version 34.0.0)

[!] Chrome - develop for the web

[!] Visual Studio - develop Windows apps

[✓] Android Studio (version 2023.1 (Hedgehog) or later)

[✓] VS Code (version 1.86)

[✓] Connected device (1 available)

[✓] Network resources

! Doctor found issues in 2 categories.