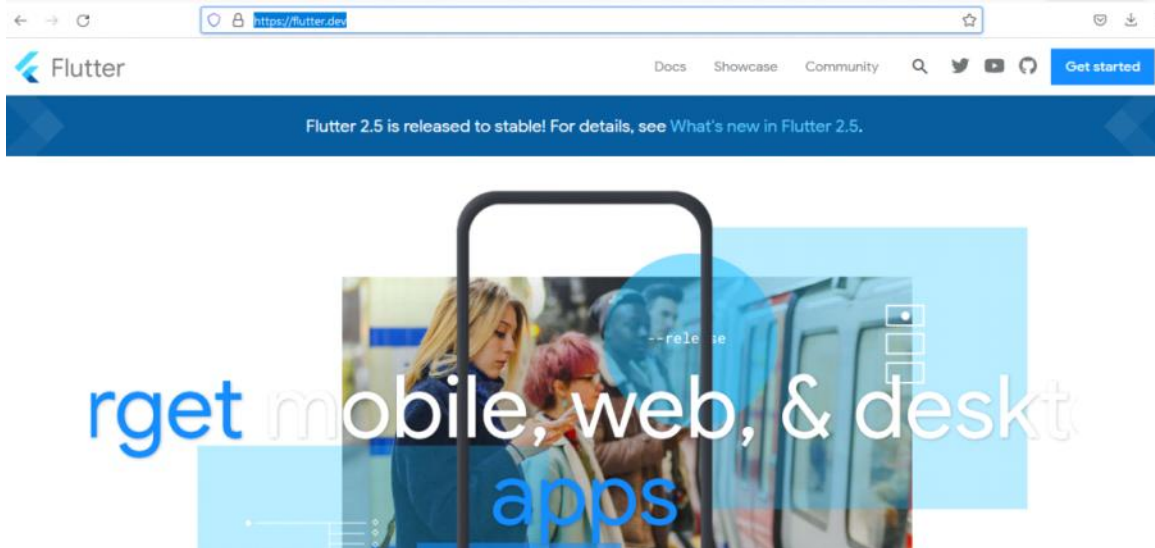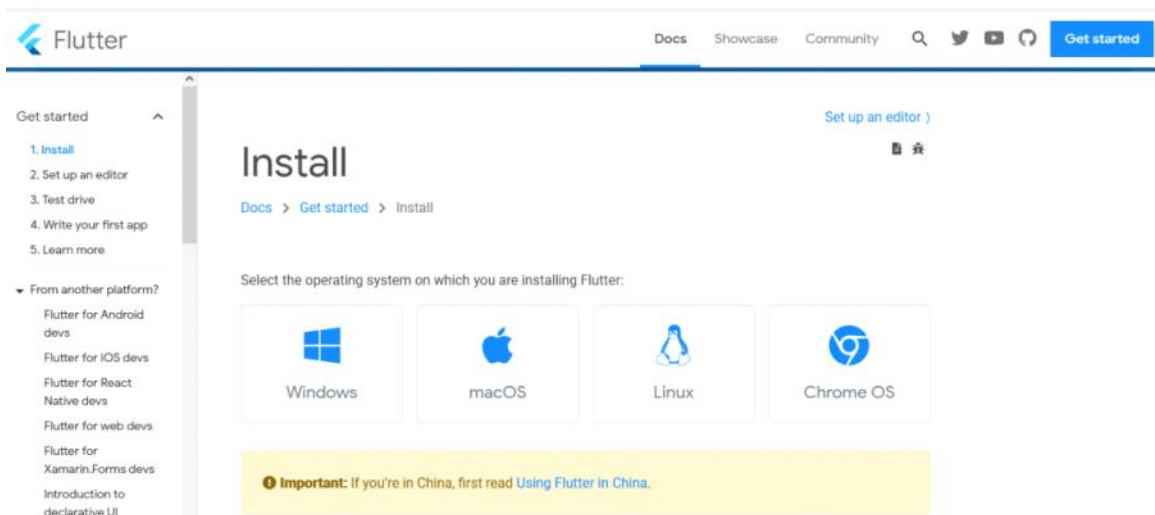# FlutterInstall

Tuesday, October 5, 2021
10:29 PM
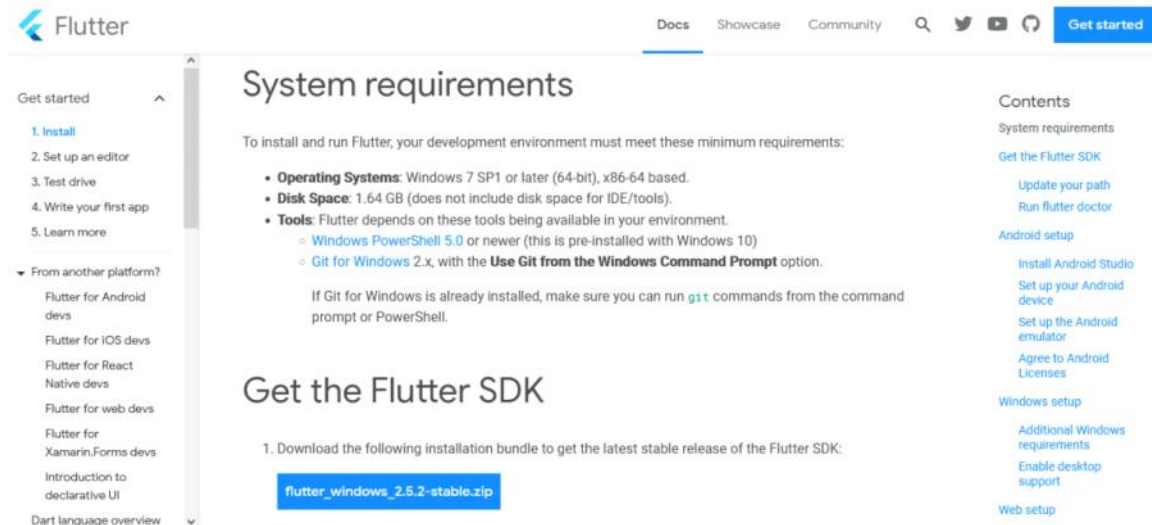
1. Open browser.
2. Type Flutter.dev (https://flutter.dev/)
3. Click on GetStarted. As shown in below snapshot.

4. Choose as per your Operating System. As per below snapshot.

5. Download Flutter Zip as shown in below snapshot.

Get the Flutter SDK

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

flutter_windows_2.5.2-stable.zip

For other release channels, and older builds, see the SDK releases page.

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`).

⚠ **Warning:** Do not install Flutter in a directory like `C:\Program Files\` that requires elevated privileges.

6. After Extraction , a flutter folder will be created.
   As shown below.

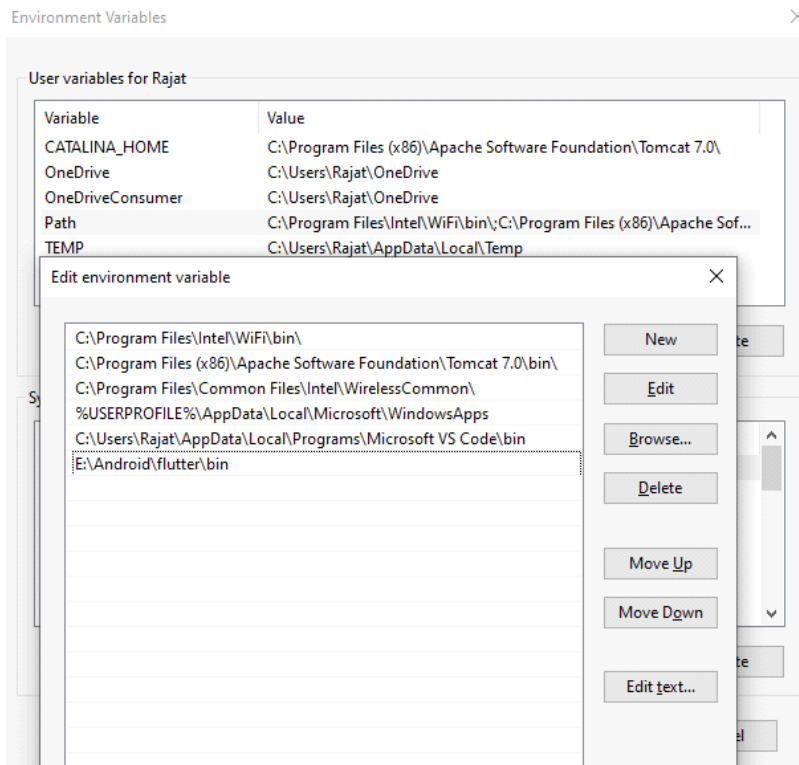| Name	Date modified	Type	Size
📁 flutter	10/1/2021 5:07 AM	File folder	
🤖 android-studio-2020.3.1.24-windows.exe	10/5/2021 10:12 PM	Application	934,798 KB
📚 flutter_windows_2.5.2-stable.zip	10/5/2021 10:40 PM	WinRAR ZIP archive	754,057 KB

7. Update the path as per below info in snapshot.

Update your path

If you wish to run Flutter commands in the regular Windows console, take these steps to add Flutter to the PATH environment variable:

- From the Start search bar, enter 'env' and select **Edit environment variables for your account**.
- Under **User variables** check if there is an entry called **Path**:
  - If the entry exists, append the full path to `flutter\bin` using `;` as a separator from existing values.
  - If the entry doesn't exist, create a new user variable named `Path` with the full path to `flutter\bin` as its value.

8. Add above path in User Variables :

9. Follow below .

You have to close and reopen any existing console windows for these changes to take effect.

ⓘ Note: As of Flutter's 1.19.0 dev release, the Flutter SDK contains the `dart` command alongside the `flutter` command so that you can more easily run Dart command-line programs. Downloading the Flutter SDK also downloads the compatible version of Dart, but if you've downloaded the Dart SDK separately, make sure that the Flutter version of `dart` is first in your path, as the two versions might not be compatible. The following command tells you whether the `flutter` and `dart` commands originate from the same `bin` directory and are therefore compatible.

```
C:\>where flutter dart                                                        ⎘
C:\path-to-flutter-sdk\bin\flutter
C:\path-to-flutter-sdk\bin\flutter.bat
C:\path-to-dart-sdk\bin\dart.exe          :: this should go after `C:\path-to-flutter-s
C:\path-to-flutter-sdk\bin\dart
C:\path-to-flutter-sdk\bin\dart.bat
```

As shown above, the command `dart` from the Flutter SDK doesn't come first. Update your path to use commands from `C:\path-to-flutter-sdk\bin\` before commands from `C:\path-to-dart-sdk\bin\` (in this case). After restarting your shell for the change to take effect, running the `where` command again should show that the `flutter` and `dart` commands from the same directory now come first.

```
C:\>where flutter dart                                                        ⎘
C:\dev\src\flutter\bin\flutter
C:\dev\src\flutter\bin\flutter.bat
C:\dev\src\flutter\bin\dart
C:\dev\src\flutter\bin\dart.bat
C:\dev\src\dart-sdk\bin\dart.exe
```

However, if you are using `PowerShell`, in it `where` is an alias of `Where-Object` command, so you need to use `where.exe` instead.

```
PS C:\> where.exe flutter dart                                                ⎘
```

To learn more about the `dart` command, run `dart -h` from the command line, or see the dart tool page.

⚓ Run `flutter doctor`

From a console window that has the Flutter directory in the path (see above), run the following command to see if there are any platform dependencies you need to complete the setup:

```
C:\src\flutter>flutter doctor
```

This command checks your environment and displays a report of the status of your Flutter installation. Check the output carefully for other software you might need to install or further tasks to perform (shown in **bold** text).

For example:

```
[-] Android toolchain - develop for Android devices
    • Android SDK at D:\Android\sdk
    X Android SDK is missing command line tools; download from https://goo.gl/XxQghQ
    • Try re-installing or updating your Android SDK,
      visit https://flutter.dev/setup/#android-setup for detailed instructions.
```

The following sections describe how to perform these tasks and finish the setup process. Once you have installed any missing dependencies, you can run the `flutter doctor` command again to verify that you've set everything up correctly.

10. Flutter doctor command not running in command prompt.

   Install GIT and add path in User Variables.

11. Still I was getting same issue. Then I have added Flutter in System Variables.
12. Uninstall GIT and Install it again. It added path in System Variables.

13. Open Command Prompt

```
Command Prompt

C:\Users\Rajat>flutter doctor

                  Welcome to Flutter! - https://flutter.dev

 The Flutter tool uses Google Analytics to anonymously report feature usage
 statistics and basic crash reports. This data is used to help improve
 Flutter tools over time.

 Flutter tool analytics are not sent on the very first run. To disable
 reporting, type 'flutter config --no-analytics'. To display the current
 setting, type 'flutter config'. If you opt out of analytics, an opt-out
 event will be sent, and then no further information will be sent by the
 Flutter tool.

 By downloading the Flutter SDK, you agree to the Google Terms of Service.
 Note: The Google Privacy Policy describes how data is handled in this
 service.

 Moreover, Flutter includes the Dart SDK, which may send usage metrics and
 crash reports to Google.

 Read about data we send with crash reports:
 https://flutter.dev/docs/reference/crash-reporting

 See Google's privacy policy:
 https://policies.google.com/privacy
```

```
Running "flutter pub get" in flutter_tools...                    24.3s
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 2.5.2, on Microsoft Windows [Version 10.0.18362.1256], locale en-US)
[!] Android toolchain - develop for Android devices (Android SDK version 23.0.2)
    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 2020.3)
[√] VS Code (version 1.60.2)
[√] Connected device (2 available)

! Doctor found issues in 1 category.

C:\Users\Rajat>
```

14. For Android License

⚘ Agree to Android Licenses

Before you can use Flutter, you must agree to the licenses of the Android SDK platform. This step should be done after you have installed the tools listed above.

1. Make sure that you have a version of Java 8 installed and that your JAVA_HOME environment variable is set to the JDK's folder.

   Android Studio versions 2.2 and higher come with a JDK, so this should already be done.

2. Open an elevated console window and run the following command to begin signing licenses.
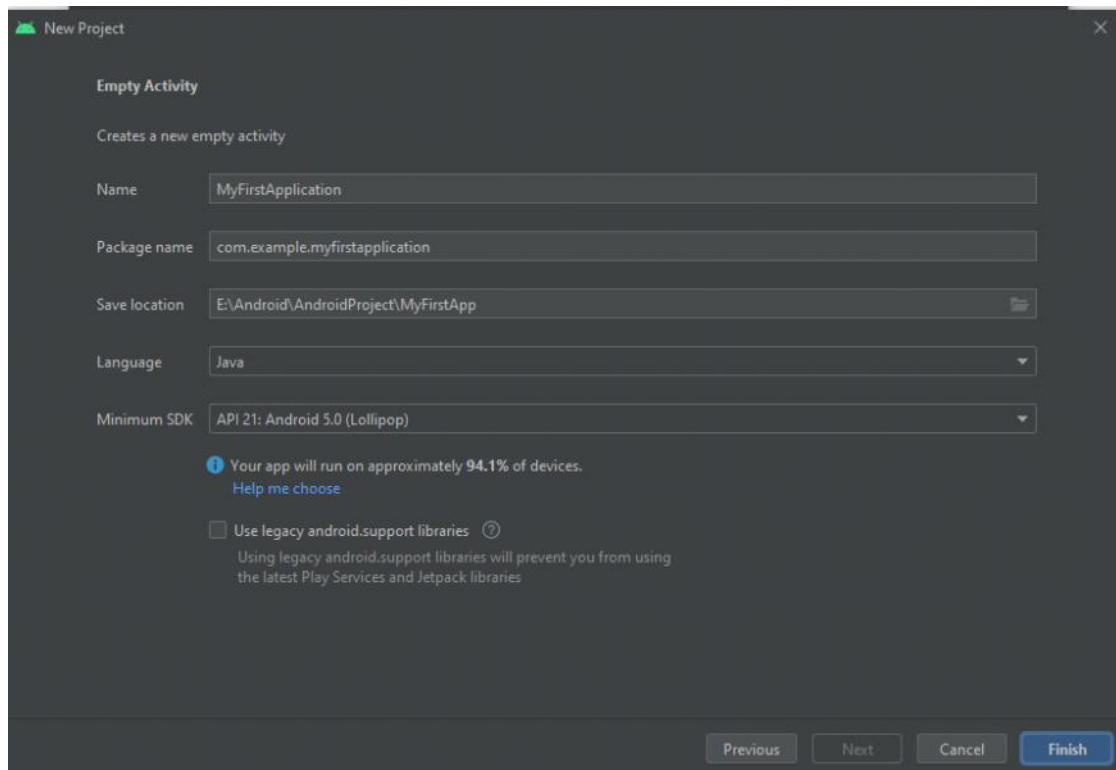
   ```
   $ flutter doctor --android-licenses
   ```

3. Review the terms of each license carefully before agreeing to them.
4. Once you are done agreeing with licenses, run flutter doctor again to confirm that you are ready to use Flutter.

15. Getting below after run above command in section 14.

```
C:\Users\Rajat>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.
```

16. Open Android SDK and go to Tools section and open SDK Manager. Install Tools.

New Project ✕

Empty Activity

Creates a new empty activity

Name   MyFirstApplication

Package name   com.example.myfirstapplication

Save location   E:\Android\AndroidProject\MyFirstApp

Language   Java

Minimum SDK   API 21: Android 5.0 (Lollipop)

ⓘ Your app will run on approximately **94.1%** of devices.
Help me choose

☐ Use legacy android.support libraries ⓘ
Using legacy android.support libraries will prevent you from using
the latest Play Services and Jetpack libraries

Previous   Next   Cancel   Finish

17. Run flutter doctor again.

```
C:\Users\Rajat>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 2.5.2, on Microsoft Windows [Version 10.0.18362.1256], locale en-US)
[!] Android toolchain - develop for Android devices (Android SDK version 31.0.0)
    ! Some Android licenses not accepted.  To resolve this, run: flutter doctor --android-licenses
[√] Chrome - develop for the web
[√] Android Studio (version 2020.3)
[√] VS Code (version 1.60.2)
[√] Connected device (2 available)

! Doctor found issues in 1 category.
```

18. After running above command as shown in section 17 snapshot. Command after resolve this.
19. Run again flutter doctor.

```
C:\Users\Rajat>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 2.5.2, on Microsoft Windows [Version 10.0.18362.1256], locale en-US)
[√] Android toolchain - develop for Android devices (Android SDK version 31.0.0)
[√] Chrome - develop for the web
[√] Android Studio (version 2020.3)
[√] VS Code (version 1.60.2)
[√] Connected device (2 available)

• No issues found!

C:\Users\Rajat>
```

20. Now no issue found and it good to move further. That's awesome.