[updated October 17, 2024]

Download Git if application is not already installed to device

https://git-scm.com/

The installation files can be downloaded to the default location.

When asked to choose a text editor for Git, Visual Studio Code is a good recommendation.

For the adjustment of the name of the initial branch in new repositories, override the default branch name for new repositories and use "main".

Move the "Git bin" folder path to the Environment Varibles Path.

Install Chocolatey:
https://chocolatey.org/

Install Flutter. If you're planning to develop Flutter apps, download the Flutter SDK from the Flutter website: https://dart.dev/get-dart

Install Dart. Go to the official Dart website (*dart.dev*) and download the latest stable version of the Dart SDK for your operating system (Windows, macOS, or Linux). Or download from the dart archive: https://dart.dev/get-dart/archive

Extract both SDKs to specified folder location: Extract the downloaded ZIP or TAR file to a directory of your choice. This directory will be your Dart and Flutter SDK installation path.

- create a specific folder within your user profile to store the Flutter and Dart SDKs. This helps keep your development environment organized and prevents clutter in your main Documents or Downloads folders.
- Once you've chosen a folder name, simply create it within your user profile and extract the downloaded Flutter and Dart SDK files into it. For example, on Windows, you could create a folder named "FlutterSDK" in your Documents folder and extract the SDKs there.
- Download the Dart installation bundle and move to designated created folder. Extract all files from bundle to created folder.

Set Environment Variables(*if necessary*):

Windows:

Open the Control Panel.

Go to "System and Security" -> "System" -> "Advanced system settings".

Click on the "Environment Variables" button.

Under "System variables", find the "Path" variable and click "Edit".

Add the path to your Dart SDK's "bin" directory (e.g., "C:\dart-sdk\bin") to the end of the path list, separated by a semicolon.

Click "OK" to save the changes.

MacOS:

Open Terminal.

Edit your shell's configuration file (e.g., .bash_profile or .zshrc).

Add the following line to the file, replacing /path/to/dart-sdk with the actual path to your Dart SDK:

Bash
export PATH="/path/to/dart-sdk/bin:$PATH"

Linux:

Open Terminal.

Edit your shell's configuration file (e.g., .bashrc or .zshenv).

Add the following line to the file, replacing /path/to/dart-sdk with the actual path to your Dart SDK:
Bash
export PATH="/path/to/dart-sdk/bin:$PATH"

NOTE: Add the path to the Flutter and Dart SDK's "bin" directory to your system's PATH environment variable.

Install the Dart and Flutter extensions in Visual Studio Code

- Open Visual Studio Code.
- Go to the Extensions tab (Ctrl+Shift+X).
- Search for "Dart" and install the Dart Language extension by Flutter.
- Search for "Flutter" and install the Flutter extension by Flutter.

Verify the installation:

- Open a new terminal in Visual Studio Code (Ctrl+` or View -> Terminal).

- Type dart --version and press Enter. You should see the installed Dart version.
- If you installed Flutter, type flutter --version and press Enter to verify the Flutter version.