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MPL Practical 1

The screenshot shows the 'Get started' section of the Flutter DevDocs. On the left is a sidebar with a 'Set up Flutter' button highlighted. The main content area has a heading 'Choose your development platform to get started' and four options: Windows (Current device), macOS, Linux, and ChromeOS. Below this is a note about developing in China.

Choose your development platform to get started

Windows Current device

macOS

Linux

ChromeOS

① Developing in China

If you want to use Flutter in China, check out [using Flutter in China](#). If you're not developing in China, ignore this notice and follow the other instructions on this page.

如果你正在中国的网络环境下配置 Flutter，请参考 [在中国网络环境下使用 Flutter 文档](#).

Unless stated otherwise, the documentation on this site reflects the latest stable version of Flutter. Page last updated on 2025-01-31. [View source](#) or [report an issue](#).

The screenshot shows the 'Install the Flutter SDK' section of the Flutter DevDocs. The sidebar has a 'Set up Flutter' button highlighted. The main content area has a heading 'Install the Flutter SDK' and instructions to use VS Code or download and install. It then leads to the 'Download then install Flutter' section, which provides a link to the Flutter Windows 3.27.3-stable.zip file and instructions for extracting the SDK. A warning at the bottom advises against installing to specific system paths.

Install the Flutter SDK

To install the Flutter SDK, you can use the VS Code Flutter extension or download and install the Flutter bundle yourself.

Use VS Code to install [Download and install](#)

Download then install Flutter #

To install Flutter, download the Flutter SDK bundle from its archive, move the bundle to where you want it stored, then extract the SDK.

1. Download the following installation bundle to get the latest stable release of the Flutter SDK.
[flutter_windows_3.27.3-stable.zip](#)
2. Create a folder where you can install Flutter.

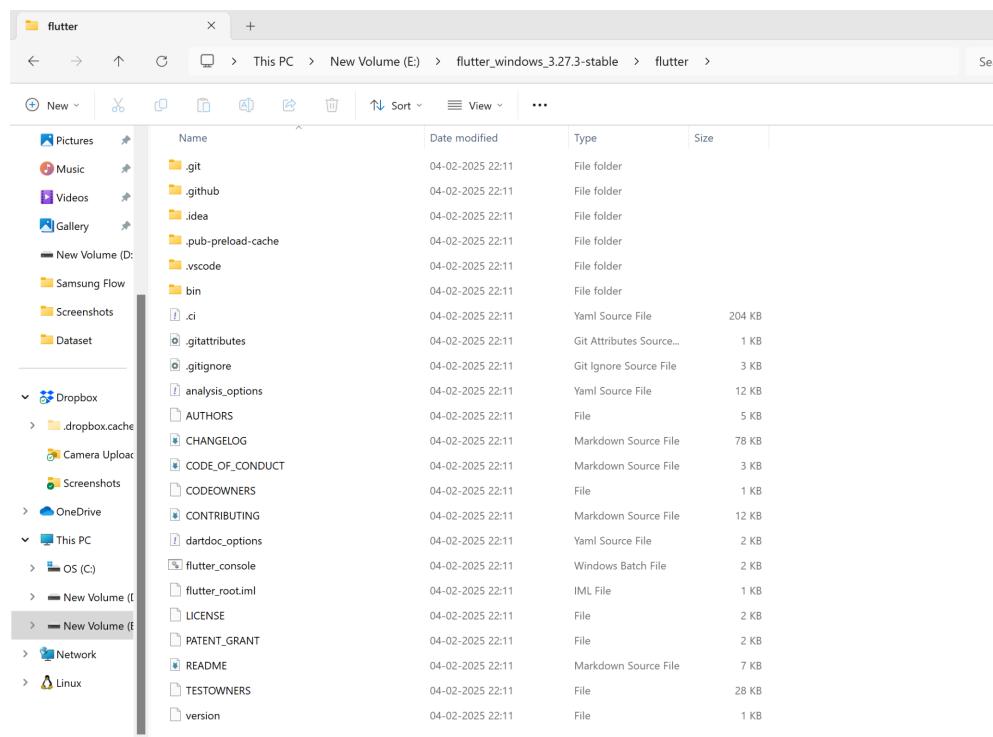
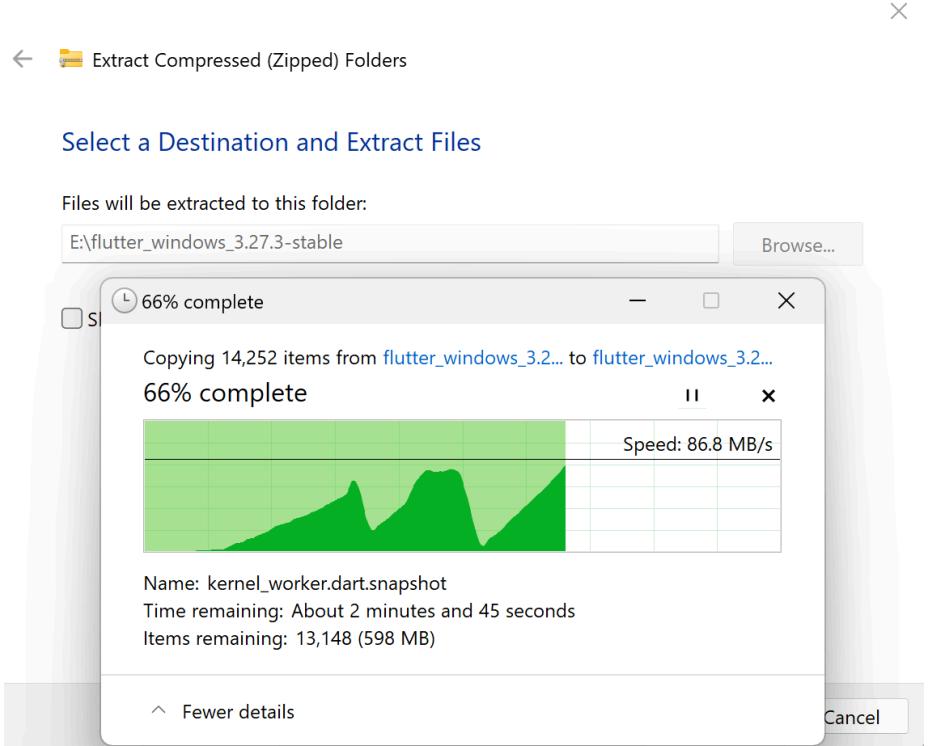
Consider creating a directory at %USERPROFILE% (C:\Users\{username}) or %LOCALAPPDATA% (C:\Users\{username}\AppData\Local).

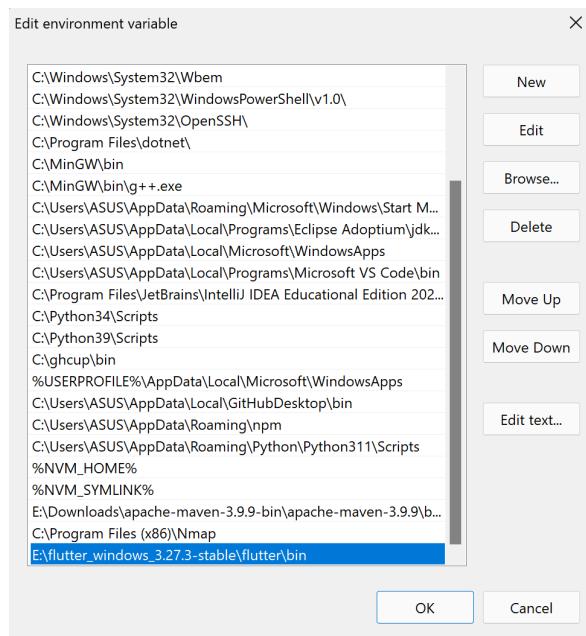
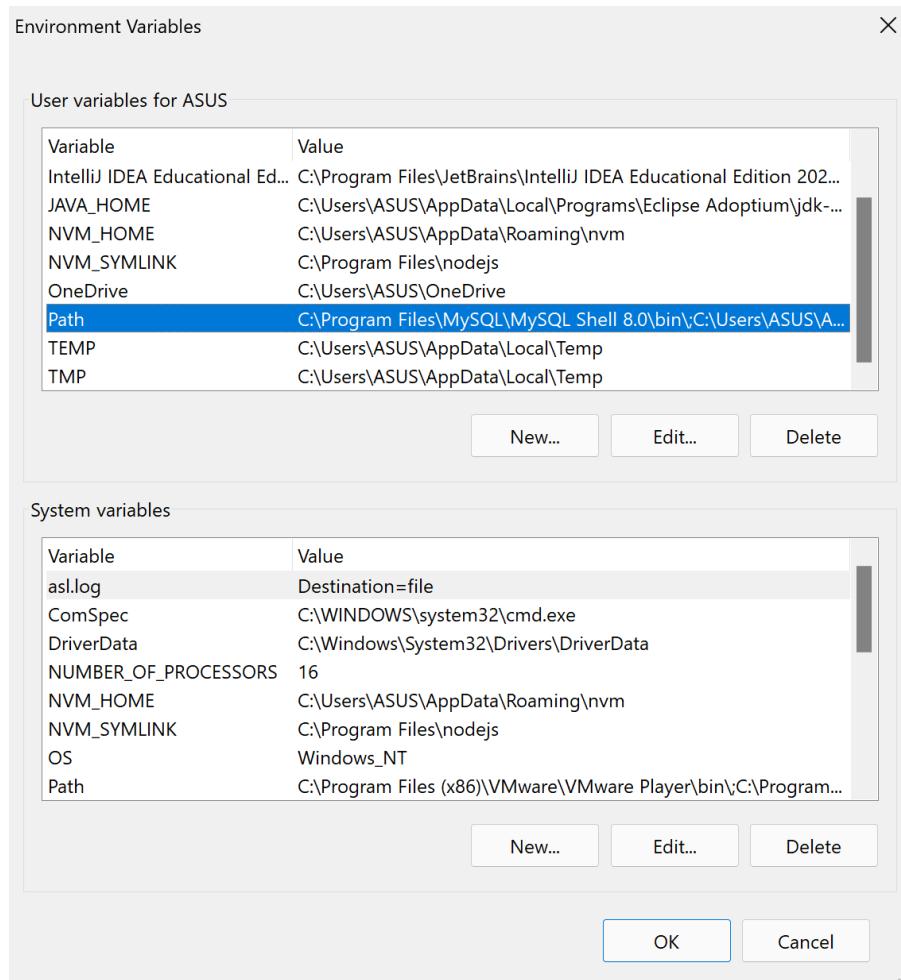
⚠ Warning

Don't install Flutter to a directory or path that meets one or both of the following conditions:

Contents

- Verify system requirements
- Hardware requirements
- Software requirements
- Configure a text editor or IDE
- Install the Flutter SDK
- Configure Android development
 - Configure the Android toolchain in Android Studio
 - Configure your target Android device
 - Agree to Android licenses
- Check your development setup
 - Run Flutter doctor
 - Troubleshoot Flutter doctor issues
- Start developing Android on Windows apps with Flutter
- Manage your Flutter SDK





```

C:\Windows\System32\cmd.e x Settings x Windows PowerShell x + - x
Microsoft Windows [Version 10.0.22631.4830]
(c) Microsoft Corporation. All rights reserved.

E:\flutter_windows_3.27.3-stable\flutter\bin>flutter
Manage your Flutter app development.

Common commands:

  flutter create <output directory>
    Create a new Flutter project in the specified directory.

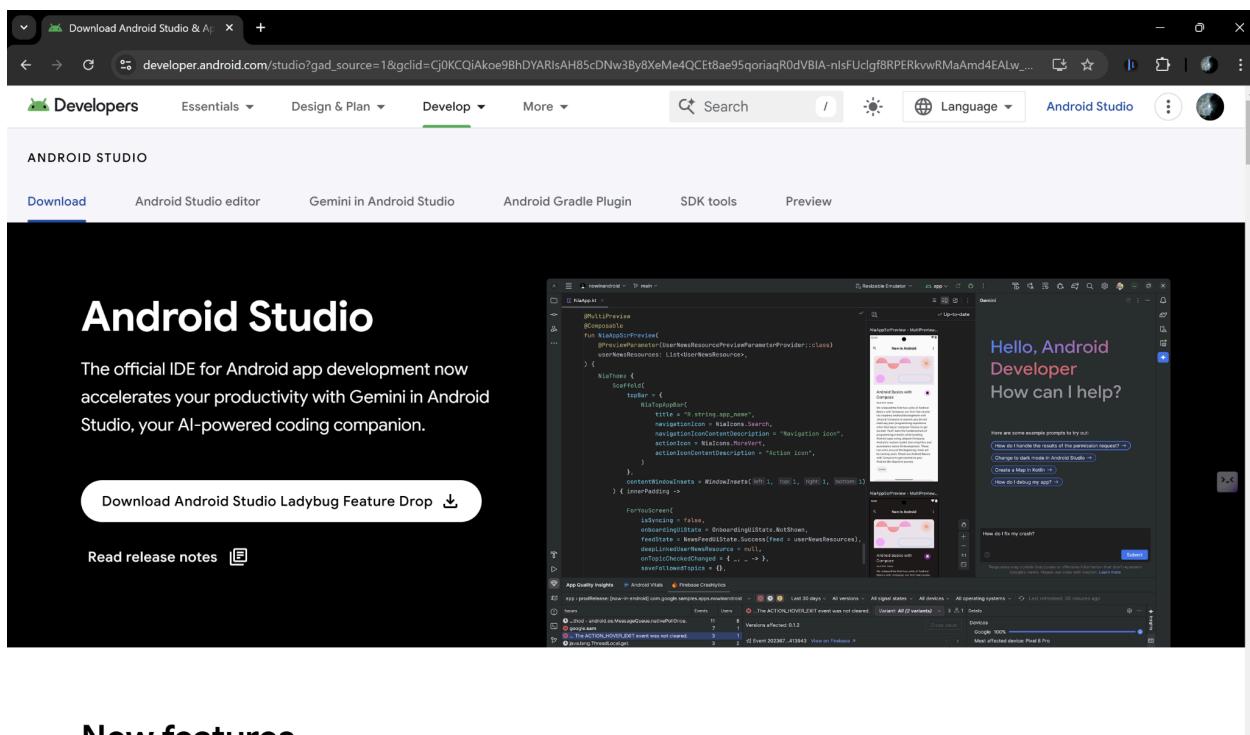
  flutter run [options]
    Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [<arguments>]

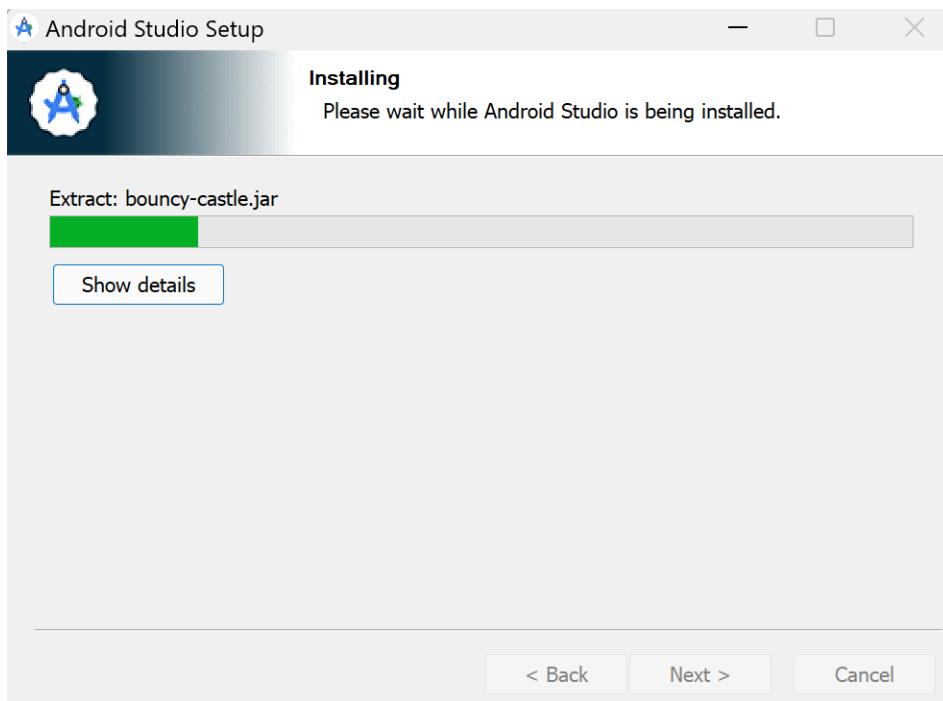
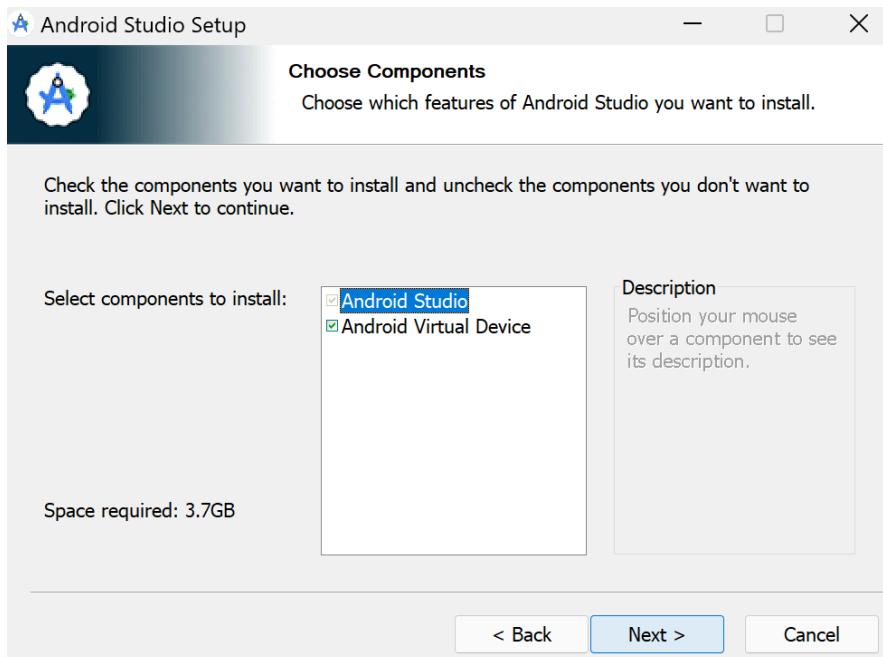
Global options:
-h, --help                  Print this usage information.
-v, --verbose                Noisy logging, including all shell commands executed.
If used with "--help", shows hidden options. If used with "flutter doctor", shows additional diagnostic information. (Use "--vv" to force verbose logging in those cases.)
-d, --device-id              Target device id or name (prefixes allowed).
--version                   Reports the version of this tool.
--enable-analytics          Enable telemetry reporting each time a flutter or dart command runs.
--disable-analytics         Disable telemetry reporting each time a flutter or dart command runs, until it is re-enabled.
--suppress-analytics        Suppress analytics reporting for the current CLI invocation.

Available commands:

```



New features



```
C:\Users\INFT505-20>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.22631.4751], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[!] Android toolchain - develop for Android devices (Android SDK version 35.0.1)
    ! Some Android licenses not accepted. To resolve this, run: flutter doctor --android-licenses
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.4.4)
[✓] Android Studio (version 2024.2)
[✓] VS Code (version 1.96.4)
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 1 category.

C:\Users\INFT505-20>
```

```
C:\Users\INFT505-20>flutter doctor --android-licenses

Warning: Errors during XML parse:
Warning: Additionally, the fallback loader failed to parse the XML.ry...
Warning: Errors during XML parse:      ] 74% Fetch remote repository...
Warning: Additionally, the fallback loader failed to parse the XML.
[=====] 100% Computing updates...
4 of 7 SDK package licenses not accepted.
Review licenses that have not been accepted (y/N)? y

1/4: License android-googletv-license:
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Terms and Conditions

This is the Google TV Add-on for the Android Software Development Kit License Agreement.

1. Introduction

1.1 The Google TV Add-on for the Android Software Development Kit (referred to in this License Agreement as the "Google TV Add-on" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of this License Agreement. This License Agreement forms a legally binding contract between you and Google in relation to your use of the Google TV Add-on.
```

