

[Flutter logo][flutter.dev]

[Build Status - Cirrus][Build status]
[Gitter Channel][Gitter badge]
[Twitter handle][Twitter badge]

Flutter is Google's SDK for crafting beautiful, fast user experiences for mobile, web, and desktop from a single codebase. Flutter works with existing code, is used by developers and organizations around the world, and is free and open source.

Documentation

- * [Install Flutter](https://flutter.dev/get-started/)
- * [Flutter documentation](https://flutter.dev/docs)
- * [Development wiki](https://github.com/flutter/flutter/wiki)
- * [Contributing to Flutter](https://github.com/flutter/flutter/blob/master/CONTRIBUTING.md)

For announcements about new releases and breaking changes, follow the [flutter-announce@googlegroups.com](https://groups.google.com/forum/#!forum/flutter-announce) mailing list.

About Flutter

We think Flutter will help you create beautiful, fast apps, with a productive, extensible and open development model.

Beautiful user experiences

We want to enable designers to deliver their full creative vision without being forced to water it down due to limitations of the underlying framework. Flutter's [layered architecture] gives you control over every pixel on the screen and its powerful compositing capabilities let you overlay and animate graphics, video, text, and controls without limitation. Flutter includes a full [set of widgets][widget catalog] that deliver pixel-perfect experiences on both iOS and Android.

[Reflectly hero image][Reflectly hero image]

Fast results

Flutter is fast. It's powered by the same hardware-accelerated 2D graphics

library that underpins Chrome and Android: [Skia]. We architected Flutter to support glitch-free, jank-free graphics at the native speed of your device.

Flutter code is powered by the world-class [Dart platform], which enables compilation to 32-bit and 64-bit ARM machine code for iOS and Android, as well

as JavaScript for the web and Intel x64 for desktop devices.

![Dart platform diagram][

Productive development

Flutter offers stateful hot reload, allowing you to make changes to your code and see the results instantly without restarting your app or losing its state.

![Hot reload animation][
Hot reload]

Extensible and open model

Flutter works with any development tool (or none at all) but includes editor plug-ins for both [Visual Studio Code] and [IntelliJ / Android Studio]. Flutter provides [thousands of packages][Flutter packages] to speed your development, regardless of your target platform. And accessing other native code is easy, with support for both [FFI] and [platform-specific APIs][platform channels].

Flutter is a fully open-source project, and we welcome contributions. Information on how to get started can be found at our [contributor guide](CONTRIBUTING.md).

[Flutter logo]:

https://raw.githubusercontent.com/flutter/website/master/src/_assets/image/flutter-lockup.png

[flutter.dev]: <https://flutter.dev>

[Build Status - Cirrus]: <https://api.cirrus-ci.com/github/flutter/flutter.svg>

[Build status]: <https://cirrus-ci.com/github/flutter/flutter/master>

[Gitter Channel]: <https://badges.gitter.im/flutter/flutter.svg>

[Gitter badge]:

https://gitter.im/flutter/flutter?utm_source=badge&utm_medium=badge&utm_campaign=pr-badge&utm_content=badge

[Twitter handle]:

<https://img.shields.io/twitter/follow/flutterdev.svg?style=social&label=Follow>

[Twitter badge]: https://twitter.com/intent/follow?screen_name=flutterdev

[layered architecture]: <https://flutter.dev/docs/resources/inside-flutter>

[widget catalog]: <https://flutter.dev/widgets/>

[Reflectly hero image]:
<https://github.com/flutter/website/blob/master/src/images/homepage/reflectly-hero-600px.png>
[Skia]: <https://skia.org/>
[Dart platform]: <https://dart.dev/>
[Dart platform diagram]:
<https://github.com/flutter/website/blob/master/src/images/homepage/dart-diagram-small.png>
[Hot reload animation]:
https://raw.githubusercontent.com/flutter/website/master/src/_assets/image/tools/android-studio/hot-reload.gif
[Hot reload]: <https://flutter.dev/docs/development/tools/hot-reload>
[Visual Studio Code]:
<https://marketplace.visualstudio.com/items?itemName=Dart-Code.flutter>
[IntelliJ / Android Studio]: <https://plugins.jetbrains.com/plugin/9212-flutter>
[Flutter packages]: <https://pub.dev/flutter>
[FFI]: <https://flutter.dev/docs/development/platform-integration/c-interop>
[platform channels]: <https://flutter.dev/docs/development/platform-integration/platform-channels>
[interop example]:
https://github.com/flutter/flutter/tree/master/examples/platform_channel