

# Templates for Flutter Module

## common

Written to root of Flutter application.

Adds Dart project files including `pubspec.yaml`.

## android

### library

Written to the `.android/` hidden folder.

Contents wraps Flutter/Dart code as a Gradle project that defines an Android library.

Executing `./gradlew flutter:assembleDebug` in that folder produces a `.aar` archive.

Android host apps can set up a dependency to this project to consume Flutter views.

### gradle

Written to `.android/` or `android/`.

Mixin for adding Gradle boilerplate to Android projects.

### host\_app\_common

Written to either `.android/` or `android/`.

Contents define a single-Activity, single-View Android host app with a dependency on the `.android/Flutter` library.

Executing `./gradlew app:assembleDebug` in the target folder produces an `.apk` archive.

Used with either `android_host_ephemeral` or `android_host_editable`.

### host\_app\_ephemeral

Written to `.android/` on top of `android_host_common`.

Combined contents define an *ephemeral* (hidden, auto-generated, under Flutter tooling control) Android host app with a dependency on the `.android/Flutter` library.

### host\_app\_editable

Written to `android/` on top of `android_host_common`.

Combined contents define an *editable* (visible, one-time generated, under app author control) Android host app with a dependency on the `.android/Flutter` library.

## ios

### library

Written to the `.ios/Flutter` hidden folder.

Contents wraps Flutter/Dart code for consumption by an Xcode project.

iOS host apps can set up a dependency to this contents to consume Flutter views.

### **host\_app\_ephemeral**

Written to `.ios/` outside the `Flutter/` sub-folder.

Combined contents define an *ephemeral* (hidden, auto-generated, under Flutter tooling control) iOS host app with a dependency on the `.ios/Flutter` folder contents.

The host app does not make use of CocoaPods, and is therefore suitable only when the Flutter part declares no plugin dependencies.

### **host\_app\_ephemeral\_cocoapods**

Written to `.ios/` on top of `host_app_ephemeral`.

Adds CocoaPods support.

Combined contents define an ephemeral host app suitable for when the Flutter part declares plugin dependencies.