

# flutter attach

小码农CC

## 简介

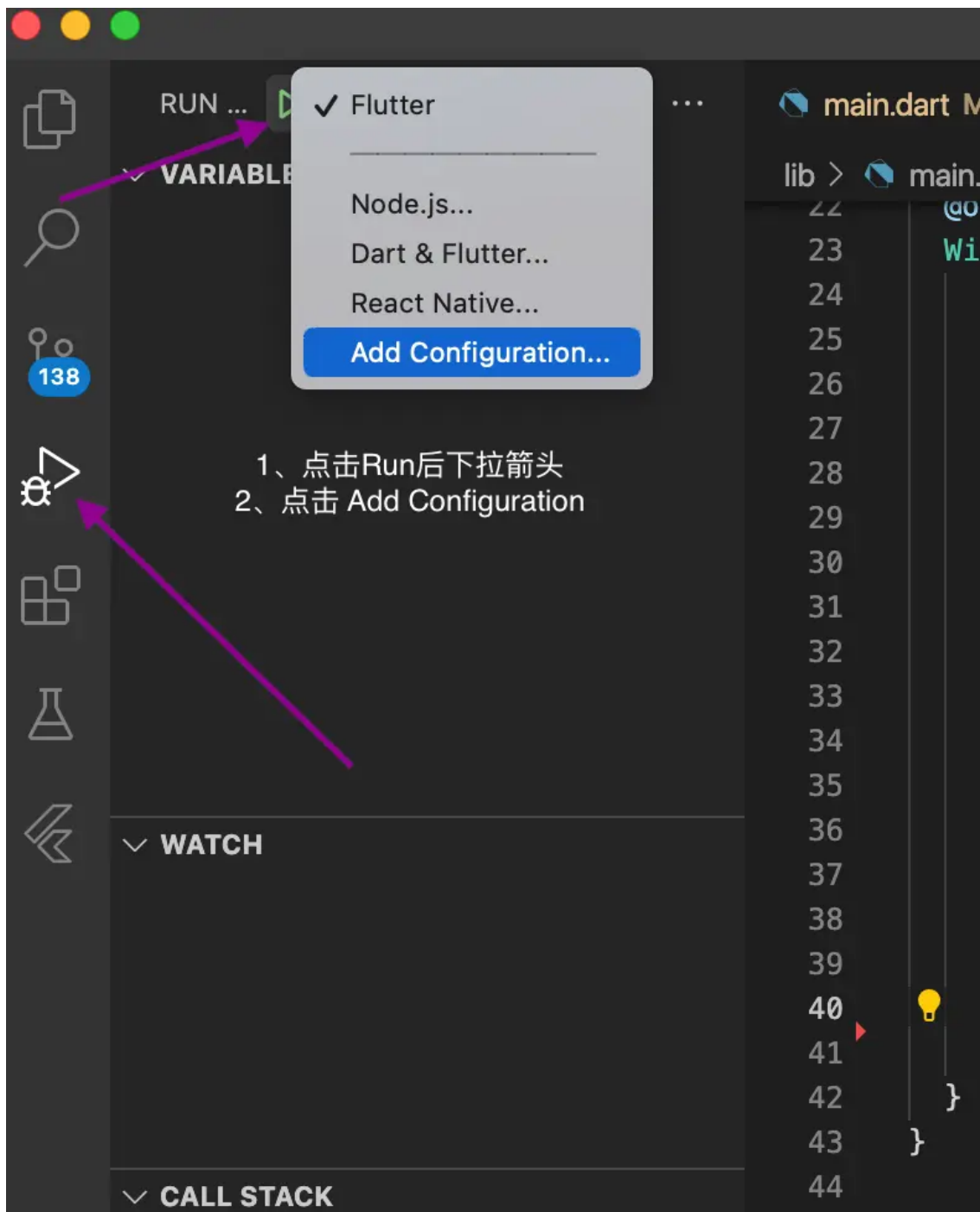
一旦将 flutter 模块集成到原生项目中，由其是 iOS 的原生项目，我们是否能够保留 flutter 的快速开发调试的优势呢？  
即是否还可以通过 Hot reload 或者 Hot Restart 来快速开发呢？

那么对应 flutter 模块，我们如何使用 hot reload 加速我们的调试速度呢？

答案就是：flutter attach 调试（开发工具：Xcode、Visual Studio Code、Android Studio）

## 一：Visual Studio Code

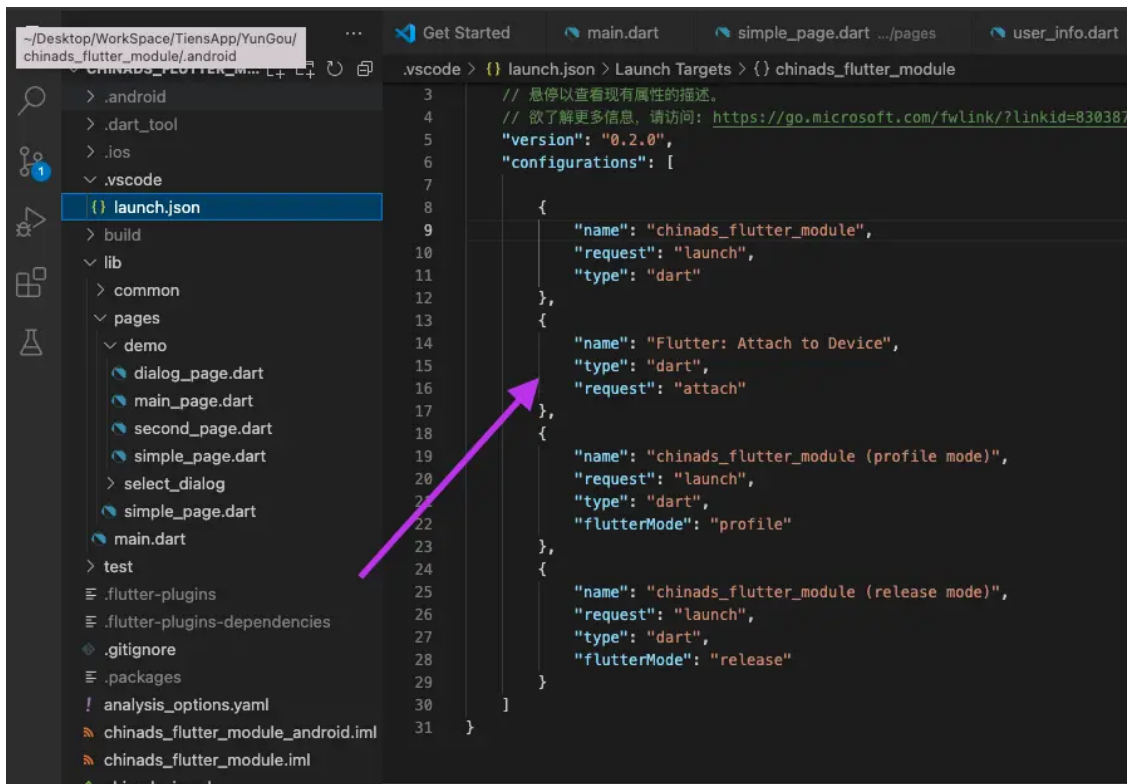
- 1、Xcode 启动原生项目（此处 flutter 模块已嵌入原生，
- 2、创建 launch.json 文件 如下图



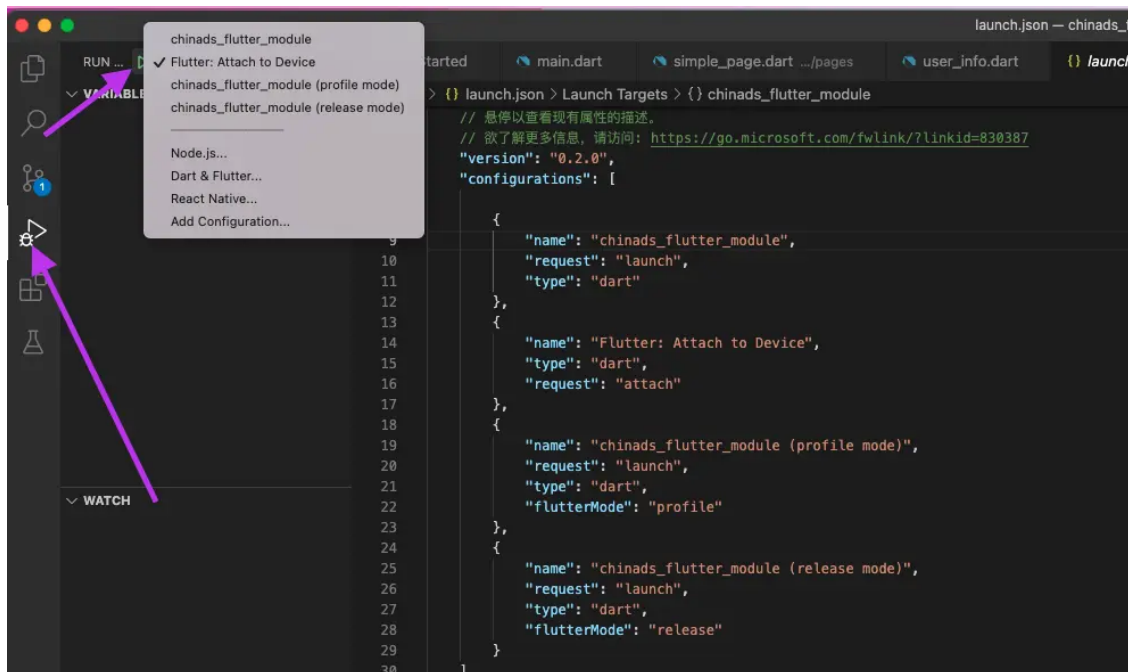
3、VSCode 编辑 launch.json -> 追加如下代码：

```
{  
  "name": "Flutter: Attach to Device",  
  "type": "dart",  
}
```

```
"request": "attach"
```



4、如下图选中刚刚配置的 "request": "attach" 点击 Run



5、完成配置 现在可在iOS 断点 Xcode 中调试，Flutter  
VSCode 中断点调试

## 二： Android Studio

- 1、Xcode 启动原生项目 （此处 flutter 模块已嵌入原生，
- 2、Android Studio 中打开终端输入 flutter attach 命令（展示可用模拟器列表，仅有一个则跳过此步）

```
bogon:test_flutter zhanghua$ flutter attach
Multiple devices found:
iPhone 11 Pro Max (mobile) • E1D101FB-F1A5-404F-B3FF-BD981B04B271 • ios •
com.apple.CoreSimulator.SimRuntime.iOS-15-2 (simulator)
iPhone 13 Pro Max (mobile) •
AD044D50-3DCC-495A-9D96-981349214F67 • ios •
com.apple.CoreSimulator.SimRuntime.iOS-15-2 (simulator)
```

```
[1]: iPhone 11 Pro Max (E1D101FB-F1A5-404F-B3FF-BD981B04B271)
[2]: iPhone 13 Pro Max
(AD044D50-3DCC-495A-9D96-981349214F67)
Please choose one (To quit, press "q/Q"): q
bogon:test_flutter zhanghua$
```

3、执行 flutter attach -d <设备 ID> 命令选择要启动的模拟器 (无下面报错, 跳过此步)

```
bogon:test_flutter zhanghua$ flutter attach -d
AD044D50-3DCC-495A-9D96-981349214F67
There are multiple observatory ports available.
Rerun this command with one of the following passed in as
the appId:
    flutter attach -- app-id com.example.myFlutter
    flutter attach -- app-id com.test.flutter
bogon:test_flutter zhanghua$
```

4、执行 flutter attach -- app-id com.test.flutter -d  
AD044D50-3DCC-495A-9D96-981349214F67 命令

```
bogon:test_flutter zhanghua$ flutter attach -- app-id
com.test.flutter -d AD044D50-3DCC-495A-9D96-981349214F67
Syncing files to device iPhone 13 Pro Max...
13.5s

Flutter run key commands.
```

```
r Hot reload. 🔥🔥🔥
R Hot restart.
h Repeat this help message.
d Detach (terminate "flutter run" but leave application
running).
c Clear the screen
q Quit (terminate the application on the device).

Running with unsound null safety
For more information see https://dart.dev/null-safety/
unsound-null-safety

An Observatory debugger and profiler on iPhone 13 Pro Max
is available at: http://127.0.0.1:64089/wiDHmXpmDXo=/
The Flutter DevTools debugger and profiler on iPhone 13 Pro
Max is available at: http://127.0.0.1:9103?uri=http%3A%2F
%2F127.0.0.1%3A64089%2FwiDHmXpmDXo%3D%2F
```

5、到此快快在 Android Studio 中修改 flutter 模块代码，在终端中执行 r 或者 R 看看模拟器中样式是否随之变化吧。

注意：只有一个模拟器设备的话，执行 flutter attach 命令后将跳过步骤 2、3,直接展示小 4 步骤结果。