flutter attach

小码农 CC

简介

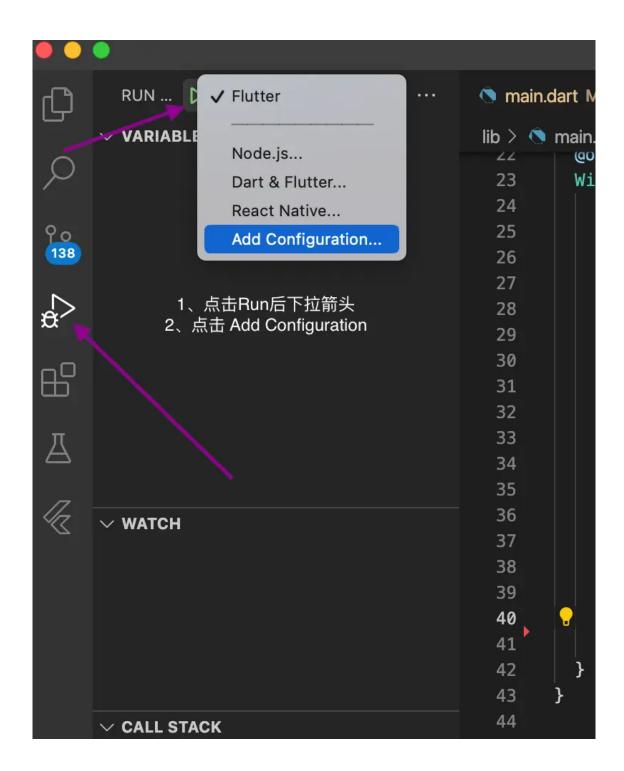
一旦将flutter模块集成到原生项目中,由其是iOS的原生项目,我们是否能够保留flutter的快速开发调试的优势呢? 即是否还可以通过Hot reload 或者 Hot Restart 来快速开发呢?

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)

-: 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"
}
```

```
Get Started
                                                                              simple_page.dart .../pages
/Desktop/WorkSpace/TiensApp/YunGou/
                         .vscode > {} launch.json > Launch Targets > {} chinads_flutter_module
                                                     "version": "0.2.0",
"configurations": [

∨ .vscode

      {} launch.json
                                                              "name": "chinads_flutter_module",
                                                              "request": "launch",
     ∨ lib
                                                             "type": "dart"
      > common

∨ pages

                                                              "name": "Flutter: Attach to Device",
       ∨ demo
                                                             "type": "dart",
        dialog_page.dart
                                                             "request": "attach"
        main_page.dart
        second_page.dart
        simple_page.dart
                                                              "name": "chinads_flutter_module (profile mode)",
                                                              "request": "launch",
       > select_dialog
                                                              "type": "dart",
       simple_page.dart
                                                              "flutterMode": "profile"
      main.dart
                                                              "name": "chinads_flutter_module (release mode)",
                                                             "request": "launch",
                                                             "type": "dart",
"flutterMode": "release"
     .gitignore
     ! analysis_options.yaml
     chinads_flutter_module_android.iml
     n chinads_flutter_module.iml
```

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

```
launch.json - chinads_f
                                                                                      simple_page.dart .../pages
                                                                                                                                                   {} launcl

✓ Flutter: Attach to Device

               chinads_flutter_module (profile mode)
                                                       {} launch.json > Launch Targets > {} chinads_flutter_module
               chinads_flutter_module (release mode)
                                                          "version": "0.2.0",
"configurations": [
               Node.js...
               Dart & Flutter.
               React Native...
                                                                   "name": "chinads_flutter_module",
"request": "launch",
                                                                   "type": "dart"
                                                                   "name": "Flutter: Attach to Device",
                                                                   "type": "dart",
                                                                   "request": "attach"
                                                                   "name": "chinads_flutter_module (profile mode)",
                                                                   "request": "launch",
                                                                  "type": "dart",
"flutterMode": "profile"
∨ WATCH
                                                                   "name": "chinads_flutter_module (release mode)",
                                                                   "request": "launch",
                                                                   "type": "dart",
"flutterMode": "release"
```

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 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.