

简介

Fastmonkey是zhangzhao大神最近开源的一款iOS应用Monkey测试工具，基于XCTestWD，swiftmonkey 二次开发，实现无需插桩的 iOS monkey 自动化工具 fastmonkey，优点如下：

1.无需插桩！ 2.高效率，每秒4-5个action！ 4.轻量极简！



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作者表示："monkey用了私有api所以很快。wda用来解析界面结构 xpath解析定位控件的。"

Monkey工具的优势，操作了App内置的H5页面，顺便学到了模拟按下Home按钮的操作：

```
//XCTestWDSessionManager.singleton.clearAll()  
XCUIDevice.shared.press(XCUIDevice.Button.home)
```

遇到的问题

1.xcode 编译出现 errSecInternalComponent

出现errSecInternalComponent

可能是xcode签名机制(code signing mechanism) 的 bug, Xcode 中账号多了，就会产生很多过期的PP文件，Xcode 没有自带删除功能会导致重复导入provisioning profile.

解决办法：

Xcode 中所有的PP文件，都在 ~/Library/MobileDevice/Provisioning Profiles 这个文件夹下；进入该文件夹，删除不需要的；重新导入新的 provisioning profile

重启Mac!!!!

2.部署demo项目遇到如下问题：(Xcode 10)

xcodebuild[5757:281169][MT] DTDeviceKit: deviceType from 00008006-0014E9CA3

```
** CLEAN SUCCEEDED **

note: Using new build system
note: Planning build
note: Constructing build description
2018-11-12 16:58:33.328 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
2018-11-12 16:58:33.347 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
2018-11-12 16:58:33.365 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
2018-11-12 16:58:33.486 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
2018-11-12 16:58:33.501 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
2018-11-12 16:58:33.516 xcodebuild[6006:287747] [MT] DTDeviceKit: deviceType from 00008006-0014E9CA36A2002E was NULL
Build system information
warning: The Copy Bundle Resources build phase contains this target's Info.plist file '/Users/lipeng/Desktop/Fastmonkey-master/XCTestWD-master/XCTestWD/XCTestWDUITests/Info.plist'. (in target 'XCTestWDUITests')

Build system information
warning: Swift 3 mode has been deprecated and will be removed in a later version of Xcode. Please migrate "XCTestWDUITests" to Swift 4.2 using "Convert > To Current Swift Syntax..." in the Edit menu. (in target 'XCTestWDUITests')

Build system information
warning: duplicate output file '/Users/lipeng/Library/Developer/Xcode/DerivedData/XCTestWD-gbdsvoellclbvbshshshfxgmvsd/Build/Products/Debug-iphonesimulator/XCTestWDUITests-Runner.app/PlugIns/XCTestWDUITests.xctest/Info.plist' on task: ProcessInfoPlistFile /Users/lipeng/Library/Developer/Xcode/DerivedData/XCTestWD-gbdsvoellclbvbshshshfxgmvsd/Build/Products/Debug-iphonesimulator/XCTestWDUITests-Runner.app/PlugIns/XCTestWDUITests.xctest/Info.plist /Users/lipeng/Desktop/Fastmonkey-master/XCTestWD-master/XCTestWD/XCTestWDUITests/Info.plist (in target 'XCTestWDUITests')

Build system information
error: Multiple commands produce '/Users/lipeng/Library/Developer/Xcode/DerivedData/XCTestWD-gbdsvoellclbvbshshshfxgmvsd/Build/Products/Debug-iphonesimulator/XCTestWDUITests-Runner.app/PlugIns/XCTestWDUITests.xctest/Info.plist':
1) Target 'XCTestWDUITests' (project 'XCTestWD') has copy command from '/Users/lipeng/Desktop/Fastmonkey-master/XCTestWD-master/XCTestWD/XCTestWDUITests/Info.plist' to '/Users/lipeng/Library/Developer/Xcode/DerivedData/XCTestWD-gbdsvoellclbvbshshshfxgmvsd/Build/Products/Debug-iphonesimulator/XCTestWDUITests-Runner.app/PlugIns/XCTestWDUITests.xctest/Info.plist'
2) Target 'XCTestWDUITests' (project 'XCTestWD') has process command with output '/Users/lipeng/Library/Developer/Xcode/DerivedData/XCTestWD-gbdsvoellclbvbshshshfxgmvsd/Build/Products/Debug-iphonesimulator/XCTestWDUITests-Runner.app/PlugIns/XCTestWDUITests.xctest/Info.plist'

2018-11-12 16:58:33.546 xcodebuild[6006:287766] DVTAssertions: Warning in /Library/Caches/com.apple.xbs/Sources/IDEFrameworks_Fall2018/IDEFrameworks-14460.46/IDEFoundation/Logging/ActivityLog/IDEActivityLogSectionRecorder.m:1050
Details: log recorder was sent -stopRecordingWithInfo:completionBlock: after it had already been asked to stop recording.
Object: <IDEActivityLogSectionRecorder: 0x7f99c15bc060>
Method: -stopRecordingWithInfo:completionBlock:
Thread: <NSThread: 0x7f99be26ecd0>{number = 14, name = (null)}
Please file a bug at https://bugreport.apple.com with this warning message and any useful information you can provide.

Testing failed:
```

没有安装某个插件，brew install ideviceinstaller

3.编译报错：

Undefined symbols for architecture x86_64:

"OBJC_CLASS\$XCElementSnapshot", referenced from:

_OBJC\$CATEGORY_XCElementSnapshot\$FBIsVisible in

XCUIElement+FBIsVisible.o

_OBJC\$CATEGORY_XCElementSnapshot\$FBUID in XCUIElement+FBUID.o

_OBJC\$CATEGORY_XCElementSnapshot\$WebDriverAttributes in

XCUIElement+FBWebDriverAttributes.o

objc-class-ref in XCUIElement+FBWebDriverAttributes.o

_OBJC\$CATEGORY_XCElementSnapshot\$FBAccessibility in

XCUIElement+FBAccessibility.o

_OBJC\$CATEGORY_XCElementSnapshot\$FBScrolling in

XCUIElement+FBScrolling.o

_OBJC\$CATEGORY_XCElementSnapshot\$FBHitPoint in
XCElementSnapshot+FBHitPoint.o

...

ld: symbol(s) not found for architecture x86_64

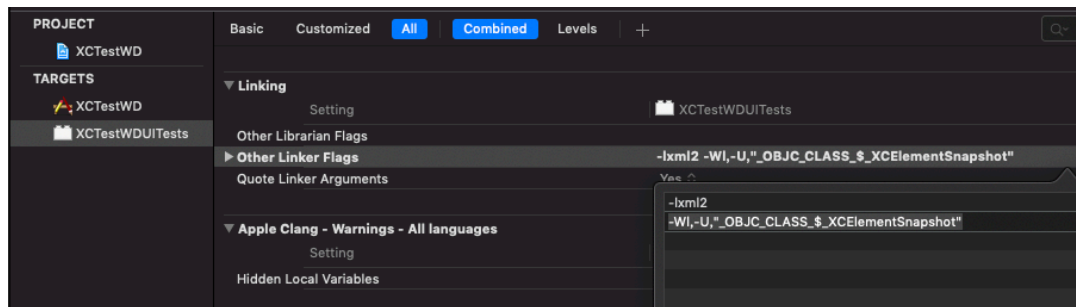
clang: error: linker command failed with exit code 1 (use -v to see invocation)

解决方案:

File->Project Setting, change the build system to Legacy Build System. Then add to Other Linker Flags...

【-Wl,-U,"_OBJC_CLASS_\$_XCElementSnapshot"】

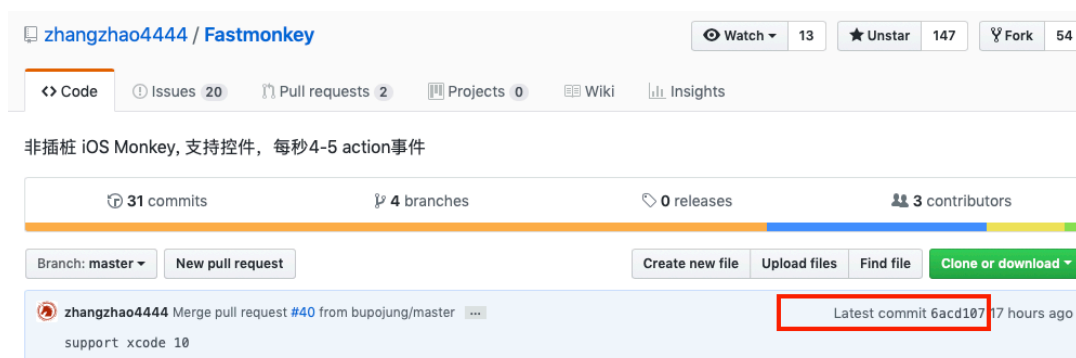
如图:



4.Xcode 10的适配

目前使用master分支:

<https://github.com/zhangzhao4444/Fastmonkey/tree/master>



务必修改下carthage的版本配置文件: carthage。

github "https://github.com/swift/swifter" == 1.4.3

github "SwiftJSON/SwiftyJSON" == 3.1.4

github "cezheng/Fuzi" ~> 2.1.0

github "tadija/AEXML" == 4.1.0

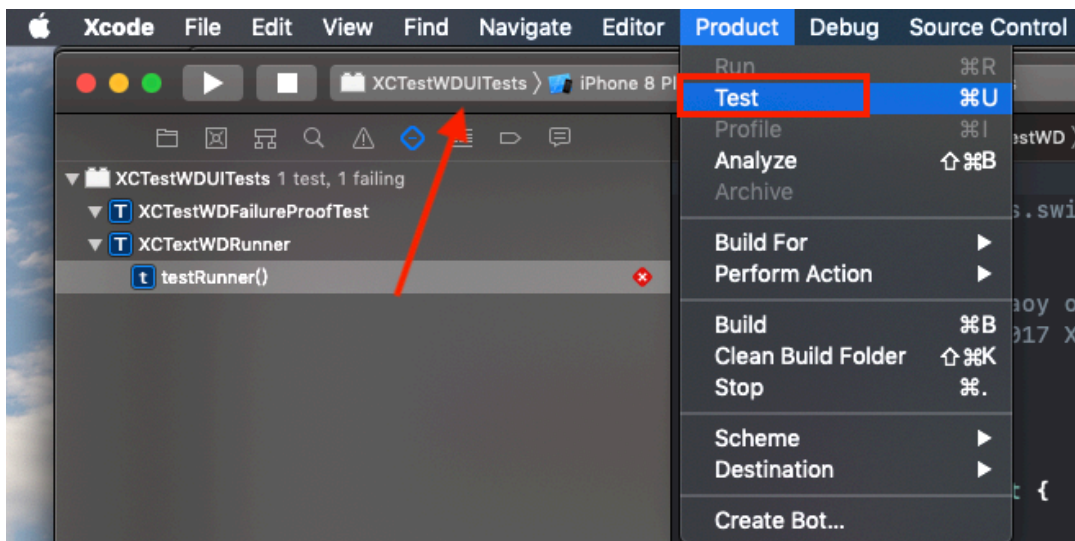
github "CocoaLumberjack/CocoaLumberjack"

github "Quick/Nimble"

保证执行carthage update命令的时候没有报错：

因AEXML 更新到支持swift4, 故原cartfile中需要设定AEXML指定版本

5.Xcode的[Product] -> [test] 按钮是灰色，不可点击

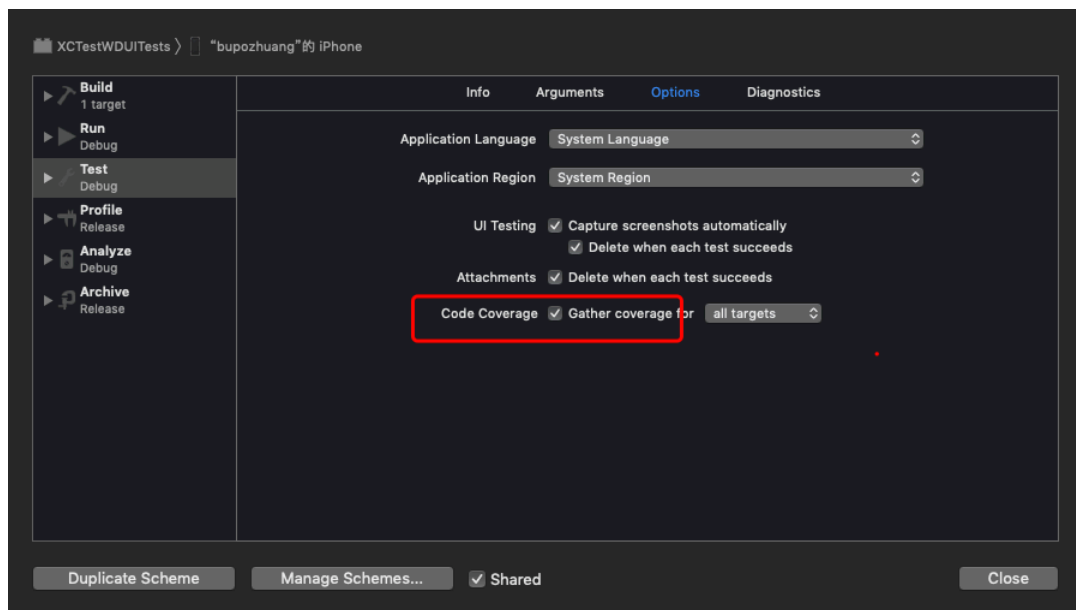


选择的target可能不正确，找到对应的UITestTarget。

6.运行Test控制台报错：

LLVM Profile Error: Failed to write file "default.profrw": Permission denied

解决办法：



7.