Appium

一、Mac在命令行下切换用户和root用户

从普通用户切换到root用户

```
1  sudo  -i
2  然后会被要求输入密码
3  完成身份切换
```

从root 切换到普通用户

```
1  su - 用户名(-和用户名之间要有空格)
2  完成身份切换
```

二、 appium mac环境配置安装（ios自动化）

- **摘要：** 官网介绍以及安

装:https://github.com/appium/appium/blob/master/docs/en/appium-
setup/running-on-osx.mdhttps://github.com/appium/appium-xcuitest-
driverJAVA安装配置下载安装后设置环境变量,~/.bash_profileAndroidSDK
安装配置直接下载压缩包解压安装后设置环境变量,~/.bash_profile或者
brewcaskinstall
  - 官网介绍以及安装:
    -
    https://github.com/appium/appium/blob/master/docs/en/appium
    -setup/running-on-osx.md
    - https://github.com/appium/appium-xcuitest-driver
  - JAVA安装配置
    - 下载安装后设置环境变量,~/.bash_profile
  - Android SDK安装配置
    - 直接下载压缩包解压安装后设置环境变量,~/.bash_profile
    - 或者brew cask install android-platform-tools,同样设置环境变
    量

- Node安装配置
  - Nodejs安装完成之后避免npm安装包需要root权限,对nodejs目录设置权限:sudo chown -R whoami /usr/local (https://github.com/npm/npm/issues/5922)
    - 安装nrm, npm install -g nrm
    - 通过nrm设置npm源为cnpm或者taobao
- appium安装配置,GFW存在下载比较慢
  - npm install -g appium
- appium-doctor安装,检测出如下问题
  - 提示Xcode Command Line Tools are NOT installed!
    - Command Line Tools:是在Xcode中的命令行工具
    - 安装:xcode-select –install
  - 提示Carthage was NOT found
    - Carhtage介绍:Carthage用于管理Cocoa第三方框架的工具
    - 安装:brew install carthage //WebDriverAgent 依赖的管理工具
      - WebDriverAgent is a WebDriver server implementation for iOS that can be used to remote control iOS devices. It allows you to launch &; kill applications, tap &; scroll views or confirm view presence on a screen. (https://github.com/facebook/WebDriverAgent)
  - 完全安装好后,检查结果如下

```
Mac:WebDriverAgent test-hwb$ appium-doctor
info AppiumDoctor Appium Doctor v.1.4.3
info AppiumDoctor ### Diagnostic starting ###
info AppiumDoctor  ✔ The Node.js binary was found at: /Users/test-hwb/.nvm/versions/node/v8.2.1/bin/node
info AppiumDoctor  ✔ Node version is 8.2.1
info AppiumDoctor  ✔ Xcode is installed at: /Applications/Xcode.app/Contents/Developer
info AppiumDoctor  ✔ Xcode Command Line Tools are installed.
info AppiumDoctor  ✔ DevToolsSecurity is enabled.
info AppiumDoctor  ✔ The Authorization DB is set up properly.
info AppiumDoctor  ✔ Carthage was found at: /usr/local/bin/carthage
info AppiumDoctor  ✔ HOME is set to: /Users/test-hwb
info AppiumDoctor  ✔ ANDROID_HOME is set to: /usr/local/Caskroom/android-sdk/3859397,26.0.1/
info AppiumDoctor  ✔ JAVA_HOME is set to: /Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home
info AppiumDoctor  ✔ adb exists at: /usr/local/Caskroom/android-sdk/3859397,26.0.1/platform-tools/adb
info AppiumDoctor  ✔ android exists at: /usr/local/Caskroom/android-sdk/3859397,26.0.1/tools/android
info AppiumDoctor  ✔ emulator exists at: /usr/local/Caskroom/android-sdk/3859397,26.0.1/tools/emulator
info AppiumDoctor  ✔ Bin directory of $JAVA_HOME is set
info AppiumDoctor ### Diagnostic completed, no fix needed. ###
info AppiumDoctor
info AppiumDoctor Everything looks good, bye!
info AppiumDoctor
```

- ios8+需要使用XCUITest框架;
- WebDriverAgent依赖安装:
  - 即安装appium-xcuitest-driver依赖
  - 安装步骤:
    - cd ~/node_modules/appium/node_modules/appium-

xcuitest-driver/WebDriverAgent
- mkdir -p Resources/WebDriverAgent.bundle
- sh ./Scripts/bootstrap.sh
  - 遇到一个问题fatal: could not read Username for 'https://github.com': terminal prompts'
    - 经过排查,发现其中一个包改变了github源地址,无法下载所以报错,更新aliyunzixun@xxx.com+即可(直接升级到了1.6.5)
  - 遇到一个问题Error: Cannot find module 'eslint-config-appium'

加上参数-d即可,sh ./Scripts/bootstrap.sh -d

npm 安装appium-doctor检查环境

sudo npm install -g appium-doctor

检查appium的针对ios的环境配置是否正确：appium-doctor --ios

下载Appium客户端。进行配置

参考：{

  "platformName": "iOS",

  "platformVersion": "11.4",

  "deviceName": "iPhone X",

  "xcodeOrgId": "2RQ68599WX",

  "xcodeSigningId": "iPhoneDeveloper",

  "automationName": "XCUITest",

  "bundleid": "com.netease.gold.dev",

  "app": "/Users/lipeng/Desktop/FaIosUITest/app/PreciousMetalsDev.app"

}

WebdriverAgent地址 参

考：/usr/local/lib/node_modules/appium/node_modules/_appium-xcuitest-driver@2.87.0@appium-xcuitest-driver/WebDriverAgent

进入该目录，执行WebDriverAgent客户端部署：

 xcodebuild -project WebDriverAgent.xcodeproj -scheme WebDriverAgentRunner -destination 'id=7AF4CE44-71AF-4006-8F3E-C4DBAC2A2604' test

要使用公司的自动化UI项目，需要配置Maven.

https://blog.csdn.net/u011886447/article/details/70200922

技巧：要获取某个文件夹的路径，将其拖入命令行即可

根据网上搜索Mac OSX 10.9以后系统就自带了Java 6的环境，路径在：/Library/Java/JavaVirtualMachines文件夹下。下面看这个路径的结果是什么样？

[html] view plain copy

```
1. bogon:Home donny$ cd /Library/Java/JavaVirtualMachines
2. bogon:JavaVirtualMachines donny$ ls
3. jdk1.7.0_71.jdk
```

问题1

如果遇到了在iOS模拟器中，webDriverAgent打开闪退了一下，易龙智投app并没有打开。检查下是否使用SwitchHosts修改了host文件，尝试在host文件中加入**127.0.0.1 localhost**
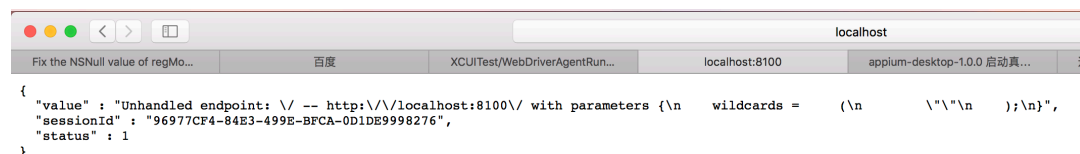
为什么这样做呢？127.0.0.1和0.0.0.0有什么关系呢？

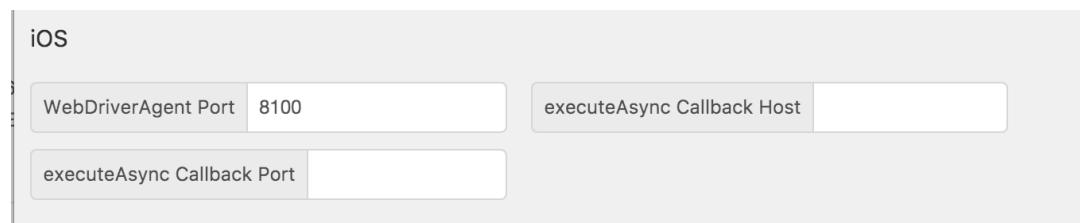**"http://127.0.0.1:4723/wd/hub"的解释**---------

https://www.cnblogs.com/captainmeng/p/8387236.html

在本机进行ping localhost，ping 127.0.0.1 然后注释掉switchHost中的这一条，再ping.

配置好WDA发现，浏览器访问localhost:8100,显示如下

8100端口号是什么呢，看一下Appium配置：

就是我们针对iOS测试环境配置的WDA使用的端口号

问题2

那么，使用IntelliJ IDEA写的测试用例代码，如何使用断点功能呢？

MacbookPro 模拟器的UDID：

Available destinations for the "WebDriverAgentRunner" scheme:

{ platform:iOS, id:33ca244ae83a0501b13c4edbf87b73d6f32e57c7, name:李鹏Xperia的iPhone }

{ platform:iOS Simulator, id:3BCEAD45-C2F5-44F0-94A0-D97B13CA1B51, OS:10.3.1, name:iPad (5th generation) }

{ platform:iOS Simulator, id:16C8A3A4-835E-43B2-A67D-8BB41D77C01A, OS:11.4, name:iPad (5th generation) }

{ platform:iOS Simulator, id:4BEAA1A8-C37E-438A-9D59-FF8C9E629A39, OS:10.3.1, name:iPad Air }

{ platform:iOS Simulator, id:45AB7540-1764-44A6-BEAA-2C3987EA4171, OS:11.4, name:iPad Air }

{ platform:iOS Simulator, id:D993BF8C-49CD-4420-BD7C-C1413488CECD, OS:10.3.1, name:iPad Air 2 }

{ platform:iOS Simulator, id:1462341D-C256-4A2F-9E54-DE8CB3D38E58, OS:11.4, name:iPad Air 2 }

{ platform:iOS Simulator, id:00EBC8FC-91D2-4EE7-BC51-672BE78A6B85, OS:10.3.1, name:iPad Pro (9.7 inch) }

{ platform:iOS Simulator, id:7A3AAC3F-7B2E-4811-A8E8-ED8703C8CC6C, OS:11.4, name:iPad Pro (9.7-inch) }

{ platform:iOS Simulator, id:4D841849-F25A-416B-973E-2EB621418E27, OS:10.3.1, name:iPad Pro (10.5-inch) }

{ platform:iOS Simulator, id:F3815009-5056-4736-95C5-A06F40930D7F, OS:11.4, name:iPad Pro (10.5-inch) }

{ platform:iOS Simulator, id:04F7AD21-9850-4BFF-A232-76782169BF7B, OS:10.3.1, name:iPad Pro (12.9 inch) }

{ platform:iOS Simulator, id:8124AEAE-745C-47BB-BEDE-D9C728596642, OS:11.4, name:iPad Pro (12.9-inch) }

{ platform:iOS Simulator, id:48321992-8841-4F66-A450-

B7E3DF4CFEEC, OS:10.3.1, name:iPad Pro (12.9-inch) (2nd generation) }

{ platform:iOS Simulator, id:12F144C4-11E7-4DDE-8CD6-7A25A58CC07D, OS:11.4, name:iPad Pro (12.9-inch) (2nd generation) }

{ platform:iOS Simulator, id:DFF276AA-E4D0-4FAC-8CFF-587E60D44A7B, OS:10.3.1, name:iPhone 5 }

{ platform:iOS Simulator, id:765F908E-0E5E-44BC-B28D-F040182C5DA7, OS:10.3.1, name:iPhone 5s }

{ platform:iOS Simulator, id:71313770-F50E-4F8F-823A-0D8BB18B0948, OS:11.4, name:iPhone 5s }

{ platform:iOS Simulator, id:A214256D-D3E7-4D82-8BE0-334AF8A4BF0E, OS:10.3.1, name:iPhone 6 }

{ platform:iOS Simulator, id:7086D474-C975-46C8-9B62-773F06EFBEA6, OS:11.4, name:iPhone 6 }

{ platform:iOS Simulator, id:28790655-F742-4CF2-AF17-B5DB7FA5E6C7, OS:10.3.1, name:iPhone 6 Plus }

{ platform:iOS Simulator, id:C3F94222-3C7B-4735-B357-2D59444B46EB, OS:11.4, name:iPhone 6 Plus }

{ platform:iOS Simulator, id:FC7537AB-64A3-4CBB-B463-1EA017951D96, OS:10.3.1, name:iPhone 6s }

{ platform:iOS Simulator, id:D8DDF5FC-BDD5-4DB0-814D-0A9BC4133DD7, OS:11.4, name:iPhone 6s }

{ platform:iOS Simulator, id:6192A15B-9208-4D55-89E4-73DE023699B2, OS:10.3.1, name:iPhone 6s Plus }

{ platform:iOS Simulator, id:045D7070-EB35-40C2-8E05-1714796E53EF, OS:11.4, name:iPhone 6s Plus }

{ platform:iOS Simulator, id:8016B6E0-A90E-4346-9421-312D7BB6E6E3, OS:10.3.1, name:iPhone 7 }

{ platform:iOS Simulator, id:3193CB28-5A05-44AC-A7C5-8E8CF1F9A2FE, OS:11.4, name:iPhone 7 }

{ platform:iOS Simulator, id:6BC41010-4BC1-4EB8-92B7-3D49E13B39A7, OS:10.3.1, name:iPhone 7 Plus }

{ platform:iOS Simulator, id:A72D1FDE-4178-467F-9019-2297EE57884F, OS:11.4, name:iPhone 7 Plus }

{ platform:iOS Simulator, id:67E6E4D6-39CE-4224-95B0-

058F7DDB8D9F, OS:11.4, name:iPhone 8 }

　　　　{ platform:iOS Simulator, id:96E49D32-B4D0-4BFE-B4C0-83F9FA3B796E, OS:11.4, name:iPhone 8 Plus }

　　　　{ platform:iOS Simulator, id:51909505-C007-4EE4-AF21-F5EC04914162, OS:10.3.1, name:iPhone SE }

　　　　{ platform:iOS Simulator, id:12661561-B9BD-46A6-8086-049B6C172D32, OS:11.4, name:iPhone SE }

　　　　{ platform:iOS Simulator, id:7AF4CE44-71AF-4006-8F3E-C4DBAC2A2604, OS:11.4, name:iPhone X }