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**1. Download Appium:**

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https://github.com/appium/appium-desktop/releases/tag/v1.1.0-beta.3

> brew install node      # get node.js

> npm install -g appium  # get appium

> npm install wd         # get appium client

> appium &               # start appium

start server v1.6.5

start new sesion / automatic server / Desired Capabilities +

(see https://github.com/appium/appium/blob/master/docs/en/writing-running-appium/caps.md)

{

  "automationName": "XCUITest",

  "platformName": "iOS",

  "deviceName": "iPhone",

  "app": "/Users/mt/Library/Developer/Xcode/DerivedData/TestAppiumDemo-gxwrcdhocjqfqocvsjqwjtitgaec/Build/Products/Debug-iphoneos/TestAppiumDemo.app",

  "newCommandTimeout": 60,

  "udid": "d329bcd8dade1f308f9ddcbc8d1fbe2dcf78e032",

  "bundleId": "oblo.TestAppiumDemo",

  "xcodeOrgId": "83FXDN8628",

  "xcodeSigningId": "iPhone Developer",

  "showXcodeLog": true,

  "clearSystemFiles": false,

  "platformVersion": "10.3.1"

}

**app - path for app**

**udid - id from iDevice**

**xcodeOrgId - apple team id**

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**2. Download WebDriverAgent:**

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https://github.com/facebook/WebDriverAgent

2.1. Open WebDriverAgent.xcodeproj in Xcode. For both the WebDriverAgentLib and WebDriverAgentRunner targets, select "Automatically manage signing" in the "General" tab, and then select your Development Team. This should also auto select Signing Ceritificate.

> ./Scripts/bootstrap.sh

And copy pojectBody into */usr/local/lib/node\_modules/appium/node\_modules/appium-xcuitest-driver/WebDriverAgent and repeat* ***step 2.1***

\*\*\*\*

Cd usr/local/lib/node\_modules/appium/node\_modules/appium-xcuitest-driver/WebDriverAgent

brew install carthage

npm i -g webpack

./Scripts/bootstrap.sh -d

open /usr/local/lib/node\_modules/appium/node\_modules/appium-xcuitest-driver/WebDriverAgent/

run project

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**3 Step**

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Two pieces of software are currently necessary to run iOS tests on real devices:

libimobiledevice - install using brew install libimobiledevice --HEAD

ios-deploy - install using npm install -g ios-deploy

https://github.com/appium/appium-xcuitest-driver#external-dependencies

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**4 step CreateTest (setup and run)**

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import lib

download jar:

https://mvnrepository.com/artifact/io.appium/java-client/4.1.2

download Selenium Server:

http://docs.seleniumhq.org/download/

Create project - java class  - intellij idea -

*import io.appium.java\_client.remote.MobileCapabilityType;*

*import org.junit.After;*

*import org.junit.Before;*

*import io.appium.java\_client.ios.IOSDriver;*

*import org.junit.Test;*

*import org.openqa.selenium.By;*

*import org.openqa.selenium.remote.DesiredCapabilities;*

*import java.net.MalformedURLException;*

*import java.net.URL;*

*import java.util.concurrent.TimeUnit;*

*import io.appium.java\_client.remote.AutomationName;*

*import io.appium.java\_client.remote.IOSMobileCapabilityType;*

*import org.openqa.selenium.WebElement;*

*/\*\**

*\* Created by mt on 6/21/17.*

*\*/*

*public class TestLogin {*

*IOSDriver driver;*

*@Before*

*public  void  setup() throws MalformedURLException {*

*DesiredCapabilities capabilities = new DesiredCapabilities();*

*capabilities.setCapability("app", "/Users/mt/Library/Developer/Xcode/DerivedData/TestAppiumDemo-gxwrcdhocjqfqocvsjqwjtitgaec/Build/Products/Debug-iphoneos/TestAppiumDemo.app");*

*capabilities.setCapability("automationName", "XCUITest");*

*capabilities.setCapability("platformName", "iOS");*

*capabilities.setCapability("deviceName", "iPhone");*

*capabilities.setCapability("udid", "d329bcd8dade1f308f9ddcbc8d1fbe2dcf78e032");*

*capabilities.setCapability("platformVersion", "10.3.1");*

*capabilities.setCapability("newCommandTimeout", 60);*

*capabilities.setCapability("bundleId", "oblo.TestAppiumDemo");*

*capabilities.setCapability("xcodeOrgId", "83FXDN8628");*

*capabilities.setCapability("xcodeSigningId", "iPhone Developer");*

*capabilities.setCapability("showXcodeLog", "true");*

*capabilities.setCapability("clearSystemFiles", "false");*

*driver = new IOSDriver<>(new URL ("http://0.0.0.0:4723/wd/hub"), capabilities ); // Breaks here when i debugged*

*driver.manage().timeouts().implicitlyWait(60, TimeUnit.SECONDS);*

*}*

*@After*

*public void teardown() {driver.quit();}*

*@Test*

*public  void selectLogin(){*

*WebElement btn=driver.findElement(By.name("StartUp"));*

*btn.click();*

*driver.quit();*

*}*

*}*