How to run protractor scripts on Android and IOS?

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i'm using Protractor + Jasmine + Selenium WebdriverJS for automating angularjs application. I was able to configure and setup a sample script with all these tools to run on a desktop computer.

Now I want to run the same scripts on mobile(IOS & Android) device / emulator.

I'm looking to use appium to run protractor scripts on IOS and Android. If anyone who has worked on protractor and appium. Please help me set up a sample script.

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i'm pretty new to all these tools any Info on this is really helpful.

protractor   appium

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edited Jan 22 '14 at 16:32
marc_s
519k   113   1006   1167

asked Jan 22 '14 at 16:06
Praveen Jagarlamudi
36   1   3

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3 Answers

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3

Have you tried using SauceLabs? I think you can request iOS and Android devices by specifying the platform in the capabilities section of the config.

If you don't want to use SauceLabs you can look at using Selenium's Grid functionality. You can get Selenium drivers for iOS and Android and have them connect to a centralized Selenium server that your Protractor scenarios are ran against, you just change the seleniumAddress in your config file to point to the centralized server.

Basically, you have to connect to the devices remotely and the easiest ways are as stated above.

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answered Feb 6 '14 at 20:27
Coding Smackdown
1,083   6   11

add a comment

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at https://github.com/angular/protractor/blob/master/docs/browser-setup.md you can find very detailed informations how to setup appium with protractor to test on emulators (Android/iOS)

you have to replace the webdriver of protractor with the appium webdriver. the appium webdriver is running normally at port 4723. the folloing code is for android for a web-only angualr app (no apk, pure web, running in the cromebrowser of the device which must be present)

```
exports.config = {
   seleniumAddress: 'http://localhost:4723/wd/hub', //appium

    specs: [
      'spec.js'
```

```
      ],

    capabilities: {
      browserName: 'chrome',
      'appium-version': '1.0',
      platformName: 'Android',
      platformVersion: '4.4.2',
      deviceName: 'Android Emulator',
    },
      baseUrl: 'http://yourwebsite.com'),
  };
```

start appium and run test with

```
 protractor yourtest.js
```

edit: adapting capabilities to recent version (browserName must be present for selenium 2.43.x)

share improve this answer   edited Oct 16 '14 at 10:28   answered Oct 7 '14 at 11:49

mojjj
341   5   16

add a comment

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just wanted to share that this configuration worked for me against BrowserStack.-

0
```
multiCapabilities: [
        {
            platformName: 'iOS',
            platformVersion: '7.1',
            browserName: '',
            app: 'safari',
            deviceName: 'iPhone Simulator',
            'appium-version': "1.4.0",
            username: '<username>',
            accessKey: '<key>'

        }
        ,
        {
            platformName: 'Android',
            platformVersion: '4.4',
            browserName: 'Browser',
            deviceName: 'Android Emulator',
            'appium-version': "1.4.0",
            username: '<username>',
            accessKey: '<key>'
        }


        ],
```

I've found that other values for `platformVersion` different that the ones that I placed here, does not work, you'll get this error message like: 'Angular was not found....'

I've created a ticket for protractor team and a comment:https://github.com/angular/protractor/issues/2247

share improve this answer   answered Jun 16 '15 at 0:53

Bruno Soko
374   2   14