

## Appium on windows - Android automation using ruby

### Prerequisite -

- 1> Android SDK with API level 17 and above is available.
- 2> Ruby 1.9 and selenium - webdriver gem is installed. (gem install selenium-webdriver)  
    ANDROID\_HOME is pointing to SDK folder

### Here are Quick Steps to Setup and Run Sample App using ruby selenium webdriver. (For Windows)

- 1> Download latest Appium for Windows from <https://bitbucket.org/appium/appium.app/>, unzip it.
- 2> Start Emulator (using AVD Manager) or Connect your Device using USB.
- 3> Download ContactManager.apk from :  
<https://github.com/appium/appium/tree/master/sample-code/apps/ContactManager>
- 4> adb install ContactManager.apk. (It will install apk file in emulator or real device).
- 5> Click on Appium.exe from unzipped folder and Start Appium Server by clicking on Launch Button with Default parameters. (IP Address: 127.0.0.1, Port: 4723, Application Path: path where the apk is located).
- 6> Run below ruby code from cmd / irb (Create a file eg: test.rb and run it in ruby command prompt)

#### ----- Code Execution -----

- 1> Start Appium.exe - give the application path (apk path), if you are running using emulator select Launch AVD and launch it.
- 2> C:\Users\xxx\AppData\Local\Programs\Appium>ruby test.rb

#### Simple code: test.rb

```
require 'selenium-webdriver'

capabilities = {
  'device' => 'Android',
  'browserName' => '',
  'platform' => 'WINDOWS',
  'version' => '4.2.2',
  '#app' => 'http://localhost/ContactManager.apk',
  'app-package' => 'com.example.android.contactmanager',
```

```

'app-activity' => 'ContactManager'
}

server_url = "http://127.0.0.1:4723/wd/hub"

@driver = Selenium::WebDriver.for(:remote, :desired_capabilities =>
capabilities, :url => server_url)

btadd = @driver.find_element(:name, "Add Contact")
btadd.click()

textfields = @driver.find_elements(:tag_name, "textfield")
textfields[0].send_keys("Android Appium")
textfields[2].send_keys("Android@Appium.com")
@driver.find_element(:name, "Save").click()
@driver.quit()

```

For Locating any element use 'UI Automator Viewer', it's already install under android-sdk-windows -> tools -> uiautomatorviewer.

**For windows machine download :** Appium For Windows.

**For MAC machine download :** Appium dmg file.

**Windows need:** Just Appium.exe + .apk file(android) + testing device + Android SDK installed.

**MAC need:** Appium DMG file + .app/.ipa file + testing device + XCODE (provisioning certificate) + ANT + ios-webkit-proxy-debug.