Install and Setup Appium in Windows

Note: formate the dependency of eclipse (select all Ctrl + A and formate: Ctrl + sift + F)

Run maven install

Appium Pre-requisite:

1. Installed Java (JDK) (Check JDK Version in CMD with this command: java –version).
2. Installed Eclipse.

The below is an internal plugin Maven will install while you Installed Eclipse and the other the TestNG plugin have to install separately.

* Maven Plugin for eclipse (Internal plugin for eclipse).
* TestNG plugin for Eclipse (Internal Plugin for eclipse).

1. Selenium Jars.

Android Tools Requisite:

1. Android Studio (IDE, SDK package, generate virtual devices).
2. Appium Server/Appium Desktop (Appium Software).
3. Appium GUI.
4. Appium Client Library (.Jar files or as a maven dependency in eclipse ide).
5. Nodejs.
6. Appium Inspector (It will check element of the App and it also use for upload and install).

Download and Install Appium Server

Requirements for the Appium Server:

1). OS in the System (macOs, Linux, Window).

2). Node.js

3). NPM version (It is already come under the node.js).

Install Appium

1. Npm install -g appium (Using command Prompt) (For Specific version : Npm install -g appium@version\_enter).
2. Uninstall Appium (Command: npm un -g appium)
3. verify appium version (Appium –version).
4. To check appium path (Command: where appium).
5. Appium-doctor (
6. Appium (Run the in CMD to start Appium).
7. Appium Closed (Command to stop Appium server Ctrl +C)

**Optional Dependencies Missing:**

* These optional dependencies may not be critical for your basic app testing but could be useful if you need advanced features (like screen recording or app bundle handling). Here's a breakdown of each one:
  + **opencv4nodejs**: For image comparison. You can ignore this unless you need image-based testing (Command to install: npm install -g opencv4nodejs).
  + **ffmpeg**: For recording the screen. Install it if you need screen recording.
  + **mjpeg-consumer**: For MJPEG-over-HTTP. If you're streaming the device screen, you'll need this (Command to install: npm install -g mjpeg-consumer).
  + **bundletool.jar**: For working with Android App Bundles.
  + **gst-launch-1.0**: For device screen streaming. You'll need this if you plan to stream the screen.

Install flutter driver:

Install Command: npm install appium-flutter-driver

Reinstall Command: npm uninstall -g appium-flutter-driver

View Version Command: npm list -g appium-flutter-driver

View Flutter Driver: appium driver list

Install command:

adb shell dumpsys window | find "mCurrentFocus"

{

"platformName": "Android",

"platformVersion": "15",

"deviceName": "sdk\_gphone64\_x86\_64",

"appium:automationName": "UiAutomator2",

"appium:appPackage": "com.google.android.apps.nexuslauncher",

"appium:appActivity": "com.google.android.apps.nexuslauncher.NexusLauncherActivity"

}

Note: Purpose to use maven we don’t have to download dependency manually if use maven.

mvn dependency:tree

com.netspeq.appium\_android\_demo\_project/.MainActivity

What is POM?

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

**Installation**

Appium Flutter Driver version 1.0 and higher require Appium 2.0.

appium driver install --source=npm appium-flutter-driver