Testing with Appium

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Introduction to Appium

10/20/17

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1. Introduction of Appium

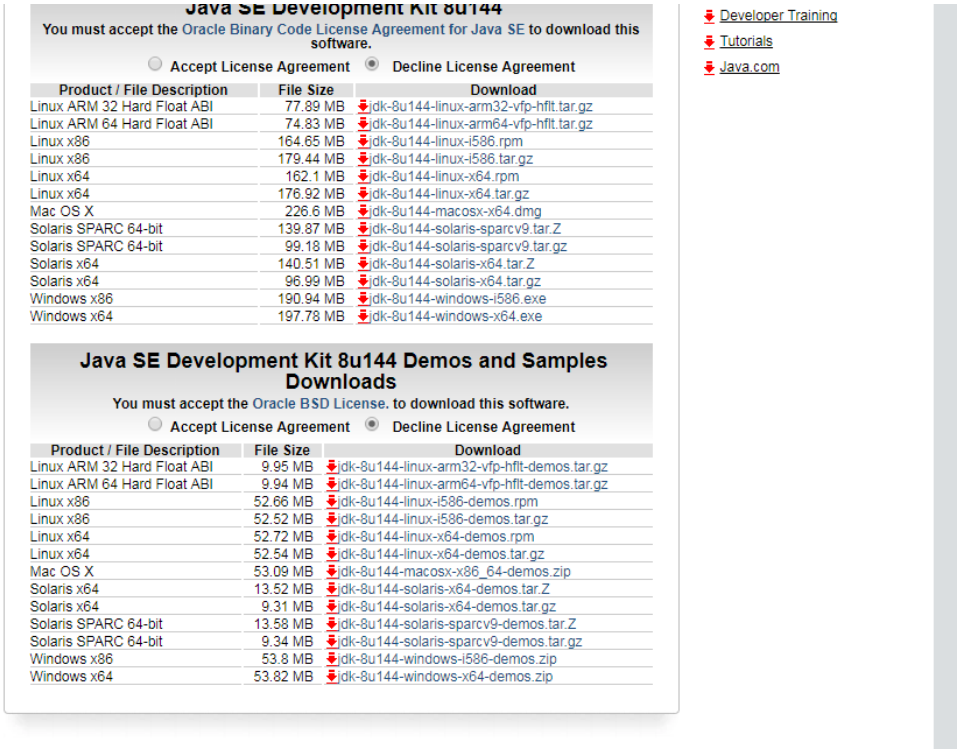
1.1. What is Appium?

Automation for applications.

Appium is an open source test automation framework for use with native, hybrid and mobile web apps. For more visit: http://appium.io/introduction.html?lang=en

2. Steps to install and configure Appium

2.1. Download Java and set path variable JAVA_HOME



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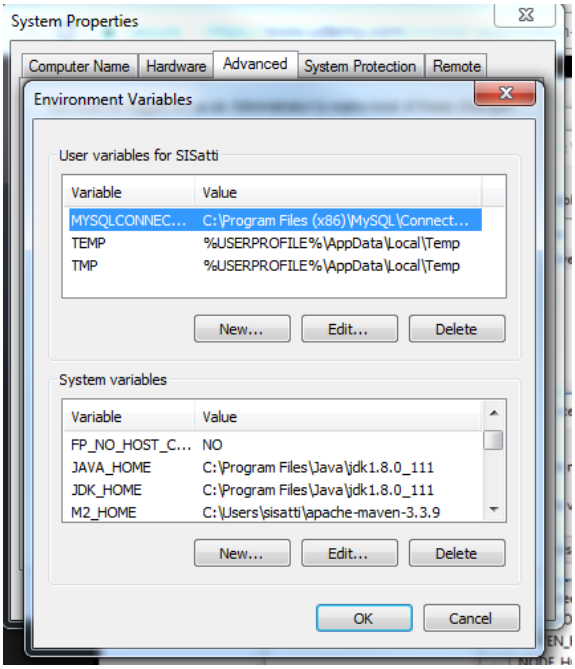
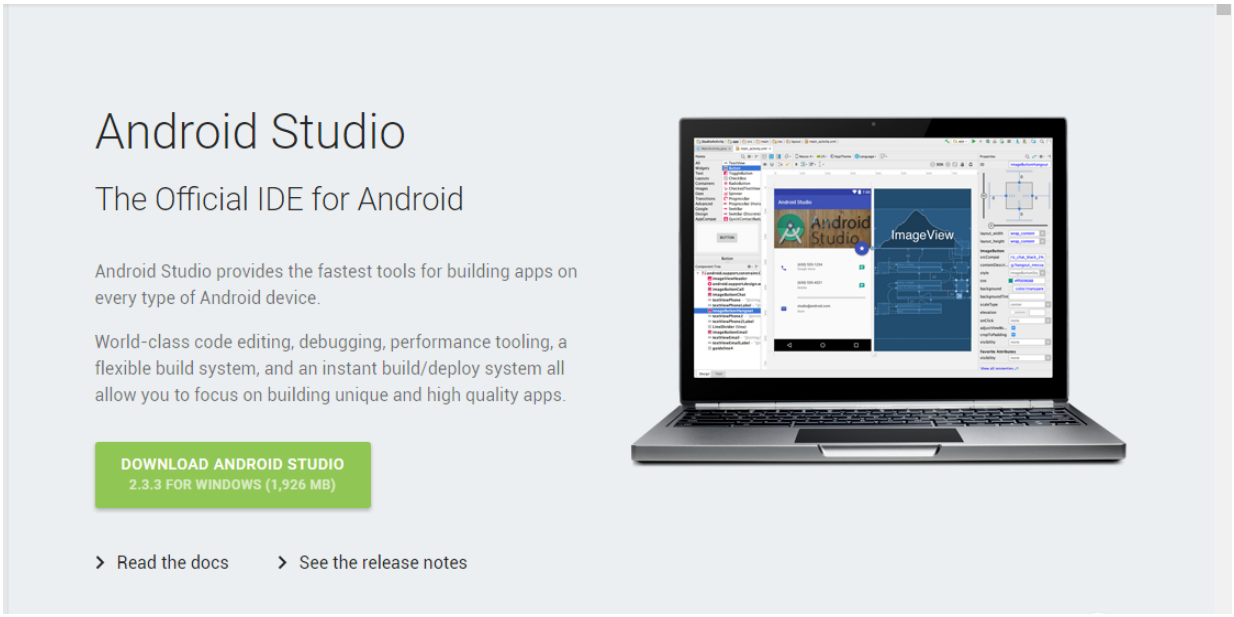
Set JAVA_HOME value as: C:\Program Files (x86)\Java\jdk1.8.0_111



2.2. Download and install Android Studio

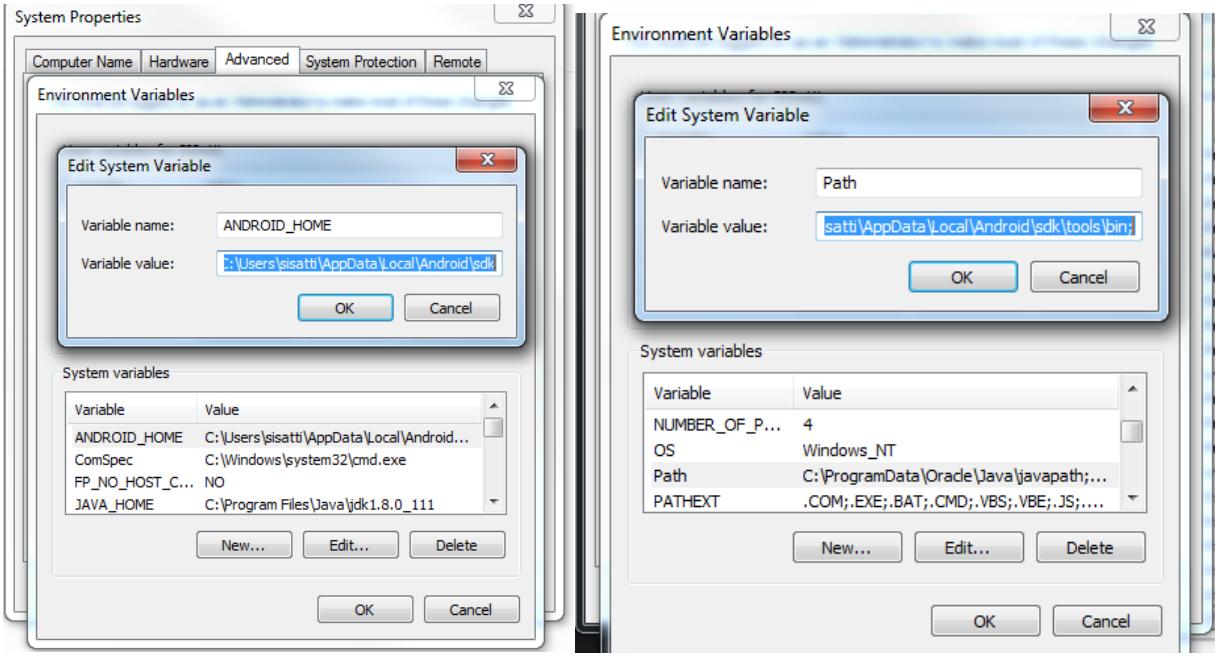
URL to download Android studio is: https://developer.android.com/studio/index.html



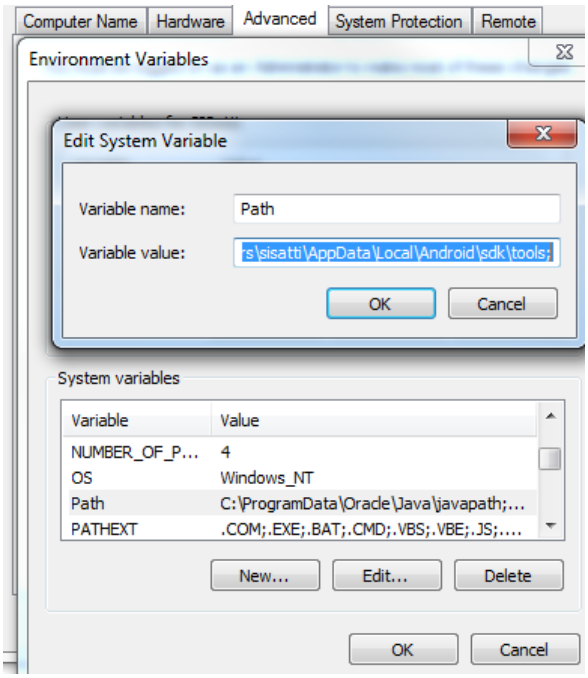
Check android installation path in machine.

C:\Users\sisatti\AppData\Local\Android\sdk

2.3. Set Android home variable

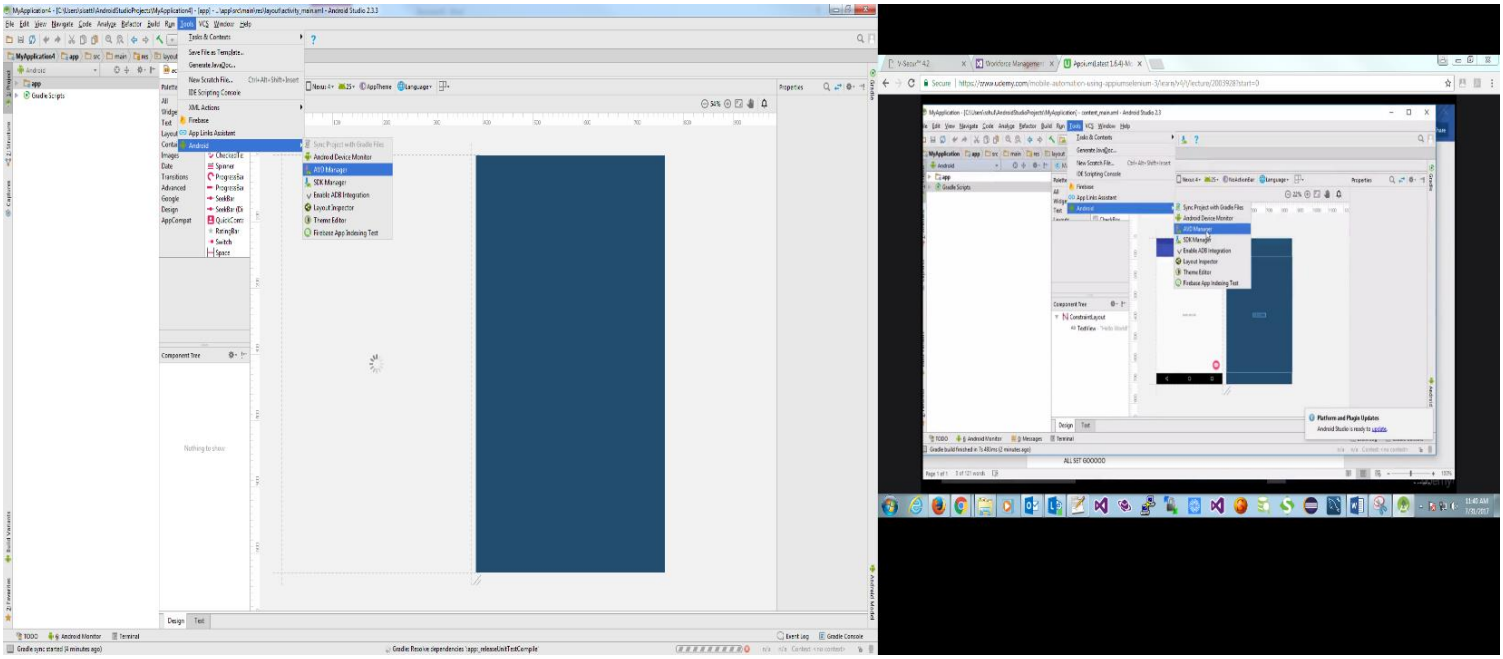


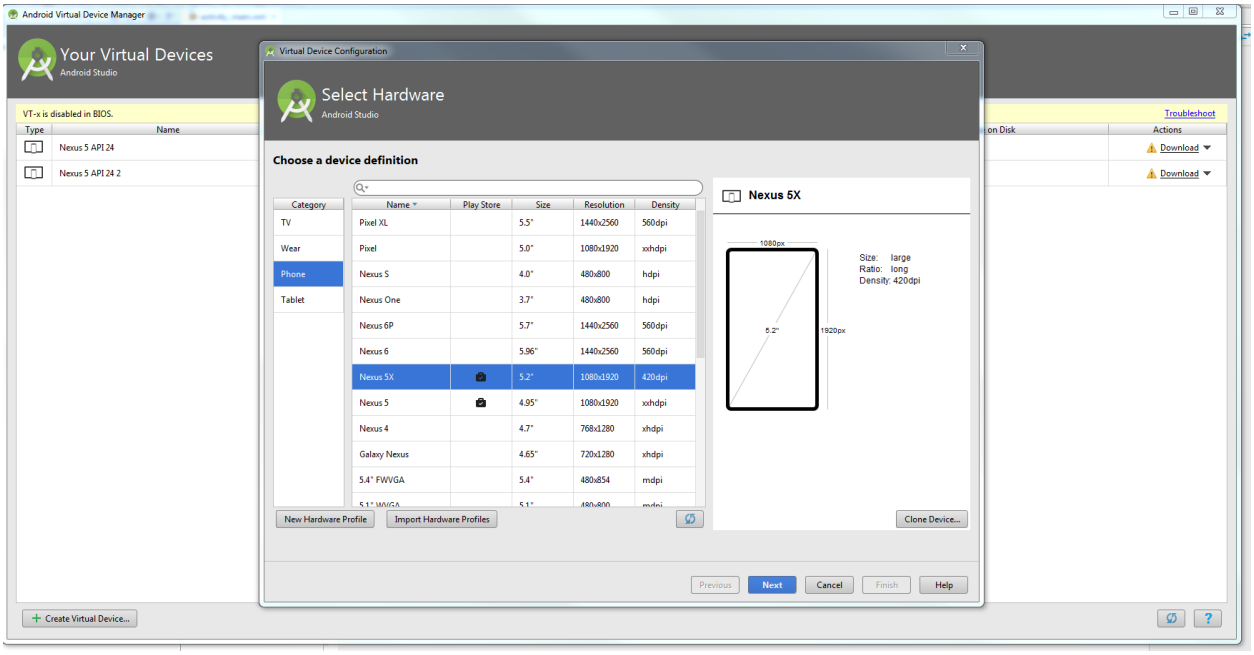
C:\Users\sisatti\AppData\Local\Android\sdk\tools\bin

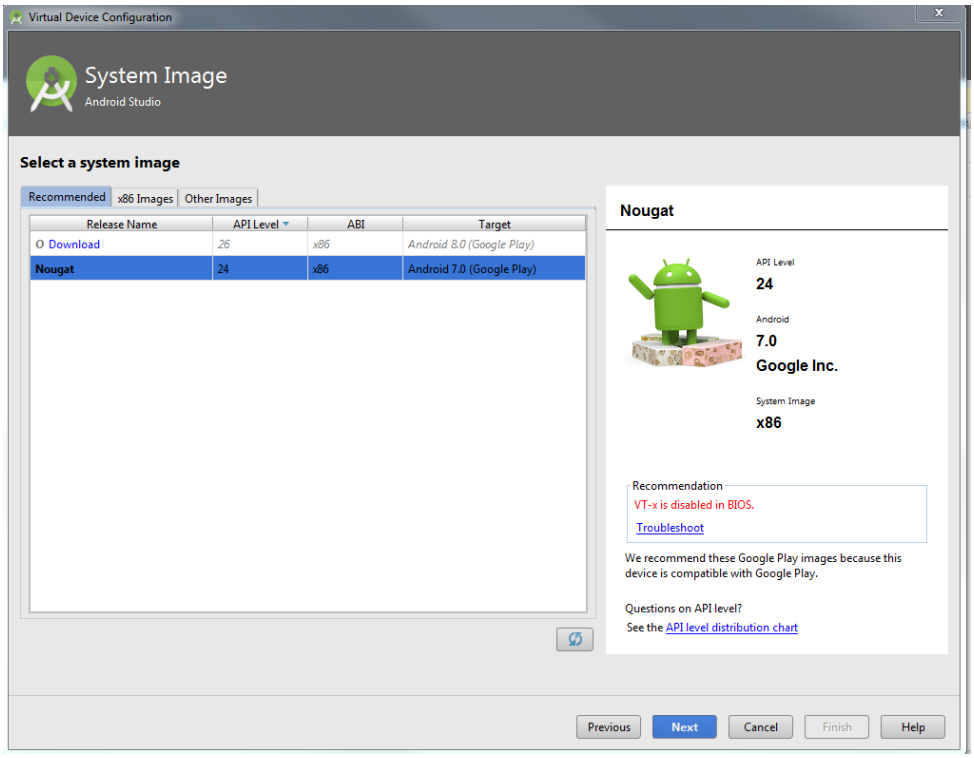


C:\Users\sisatti\AppData\Local\Android\sdk\tools

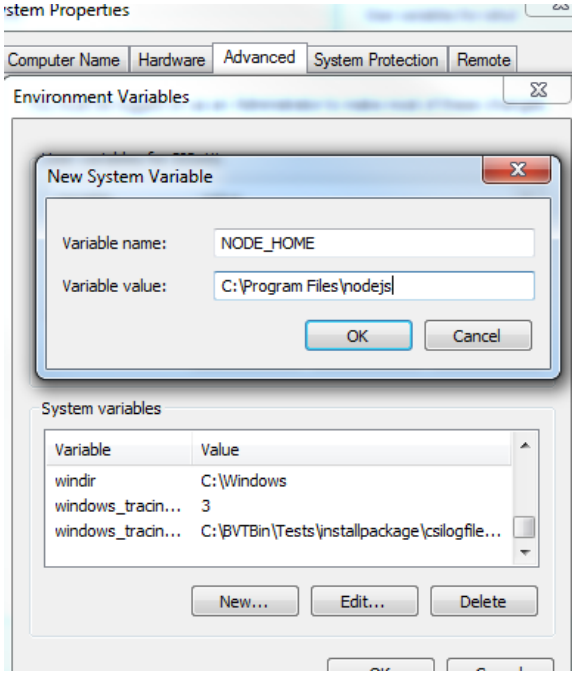
2.4. Configure Emulator



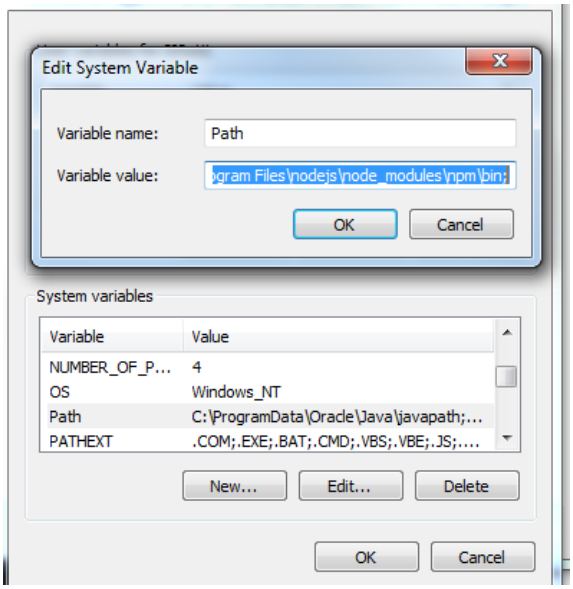



Virtual Device Configuration
System Image
Android Studio
Select a system image
Recommended
x86 Images
Other Images
Release Name
API Level
ABI
Target
Download
26
x86
Android 8.0 (Google Play)
Nougat
24
x86
Android 7.0 (Google Play)
Nougat
API Level
24
Android
7.0
Google Inc.
System Image
x86
Recommendation
VT-x is disabled in BIOS.
Troubleshoot
We recommend these Google Play images because this device is compatible with Google Play.
Questions on API level?
See the API level distribution chart
Previous
Next
Cancel
Finish
Help

2.5. Download Node.js and set variable path



2.6. Set npm environment path



2.7. Download Appium server

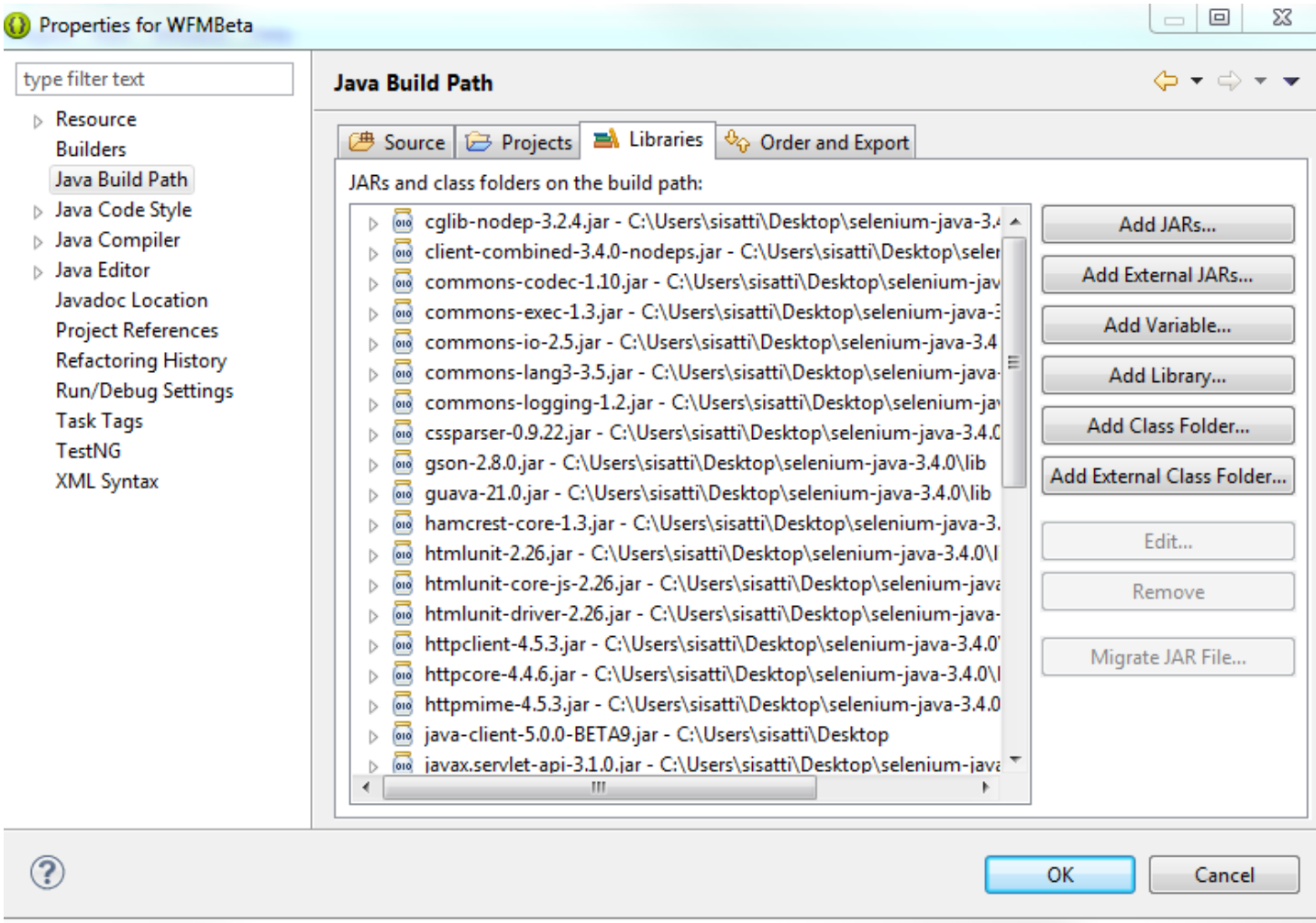
URL is: http://appium.io/

2.8. Download Appium java client

URL is: http://appium.io/downloads.html

https://search.maven.org/#search%7Cga%7C1%7Cg%3Aio.appium%20a%3Ajava-client

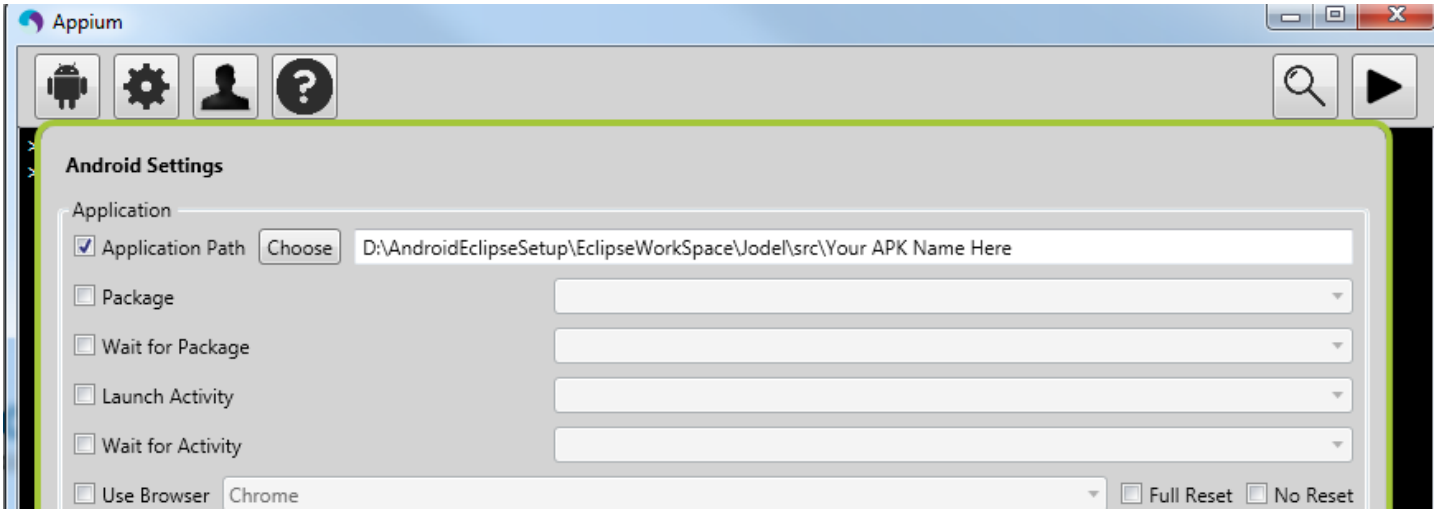
2.9. Install Eclipse and configure Appium libraries



3. Appium Server

3.1. Run Appium Server

3.2. Set Absolute path of APK



4. Desired Capabilities class

```
package Your Package;

import io.appium.java_client.android.AndroidDriver;
import io.appium.java_client.android.AndroidElement;
import io.appium.java_client.remote.MobileCapabilityType;

import java.io.File;
import java.net.MalformedURLException;
import java.net.URL;

import org.openqa.selenium.remote.DesiredCapabilities;

public class SetupClass {
    public static AndroidDriver<AndroidElement> Capabilities() throws MalformedURLException{
           File apk = new File("src");
           File fs = new File(apk,"Apk Name here");

           DesiredCapabilities cap = new DesiredCapabilities();
           cap.setCapability(MobileCapabilityType.DEVICE_NAME, "Connected Device Name here");
           cap.setCapability(MobileCapabilityType.NEW_COMMAND_TIMEOUT, "50");
           cap.setCapability(MobileCapabilityType.APP, fs.getAbsolutePath() );
           AndroidDriver<AndroidElement> driver= new AndroidDriver<AndroidElement>(new
           URL("http://127.0.0.1:4723/wd/hub"), cap);
     return driver;
    }
}
```