REQUIRED TO CHECK BEFORE WATCHING VIDEO!

What do I need for Appium installation on Windows?

For all Mobile Testing subjects we will be using Appium, and main documentation for this is here: https://appium.io/docs/en/2.1/

1. At least JDK version 8 or a later version needs to be installed https://www.oracle.com/java/technologies/downloads/

The Java Development Kit is an implementation of either one of the Java Platform, Standard Edition, Java Platform, Enterprise Edition, or Java Platform, Micro Edition platforms released by Oracle Corporation in the form of a binary product aimed at Java developers on Solaris, Linux, macOS or Windows.

Hopefully, you have already installed JDK, open the terminal and run the command:

$ java --version
You should get something similar to:

java ~your-java-version~ 2018-07-17
Java(TM) SE Runtime Environment 18.3 (build 10.0.2+13)
Java HotSpot(TM) 64-Bit Server VM 18.3 (build 10.0.2+13, mixed mode)
Otherwise, proceed to this pageLinks to an external site. and look for a Mac OS X distribution, don't forget to accept the license agreement! Follow installation instructions and get java — version going.

2. JAVA_HOME needs to be setup, and you can check here at this link: https://confluence.atlassian.com/doc/setting-the-java_home-variable-in-windows-8895.html

3. Enable virtualization if needed (Some version of Windows laptops require virtualization to be enabled) https://stackoverflow.com/questions/67319710/how-to-enable-vmx-in-the-haxm-installationLinks to an external site. Also check this site : https://www.geeksforgeeks.org/how-to-enable-virtualization-vt-x-in-windows-10-bios/

If you have installation issue with HAXM, link is here: https://github.com/intel/haxm/releases

4. Install NodeJS (latest LTS as of today) https://nodejs.org/en/

node.js is an open-source, cross-platform JavaScript run-time environment that executes JavaScript code outside of a browser.

npm is a package manager for the JavaScript programming language. It is the default package manager for the JavaScript runtime environment Node.js. It consists of a command-line client, also called npm, and an online database of public and paid-for private packages called the npm registry.

Download here: https://nodejs.org/en/

Verify installation with node -v and npm -v.

$ node -v

$ npm -v

5. Install Android Studio https://developer.android.com/studio

(Simple installation - Always Next - Do not import Settings (if it asks) - For Data Sharing Don't Send - Install Type Standard - Finish-Choose SDK Manager)

Open Android Studio click on Configure and select AVD Manager:

Click at Create Virtual Device:

Proceed with Pixel 5 and hit Next:

Download Android 11 by clicking on Download link and following installation instructions:

Now it's time to create an emulator, select Android R os image, and hit next:

Rename AND so the name doesn't contain spaces and click Next. Allow USB debugging

Run emulator by clicking play button.

6. Setup ANDROID_HOME https://stackoverflow.com/questions/26356359/error-android-home-is-not-set-and-android-command-not-in-your-path-you-must

7. Install appium-doctor, you need to open your Command Prompt / Powershell and type either of following CMD (npm i appium-doctor -g) or (npm i --location=global appium-doctor)

8. Install Appium Server, you need to open your Command Prompt / Powershell and type either of following CMD (npm i appium -g) or (npm i --location=global appium)

IMPORTANT: Install UiAutomator2 Driver

Run This Command:

"appium driver install uiautomator2"

9. Install Appium Inspector https://github.com/appium/appium-inspector/releases/tag/v2021.9.2