# Guide for Appium & Android SDK Installation
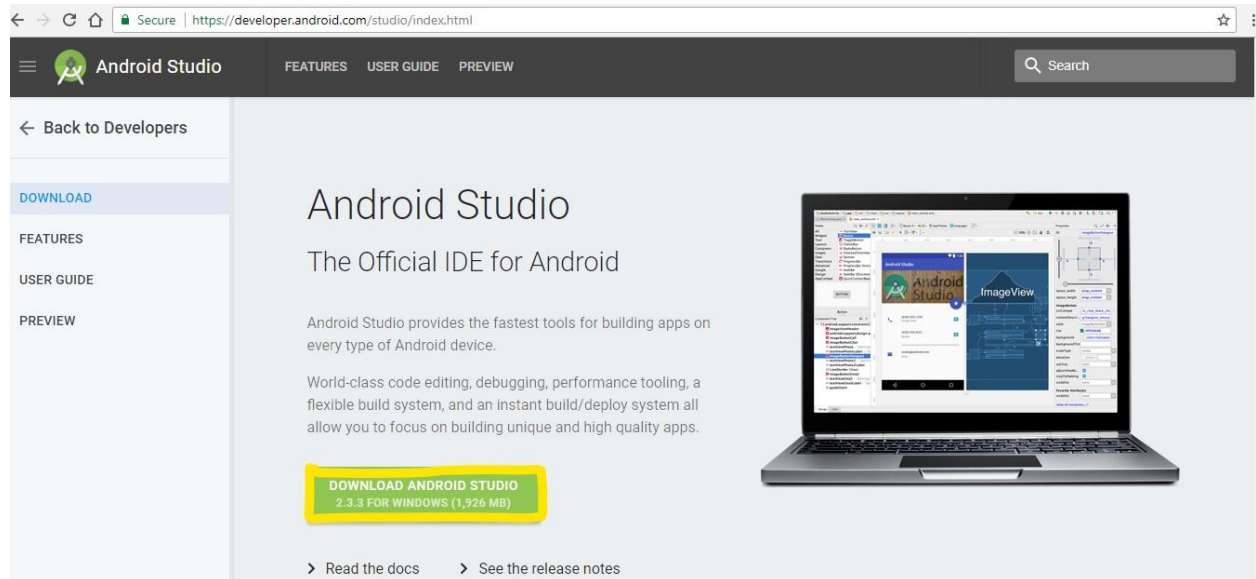
**Contents:**

- Android Studio Installation
- Enabling Debugging Option in Android Phone
- Resolving Android Debug Bridge Issue
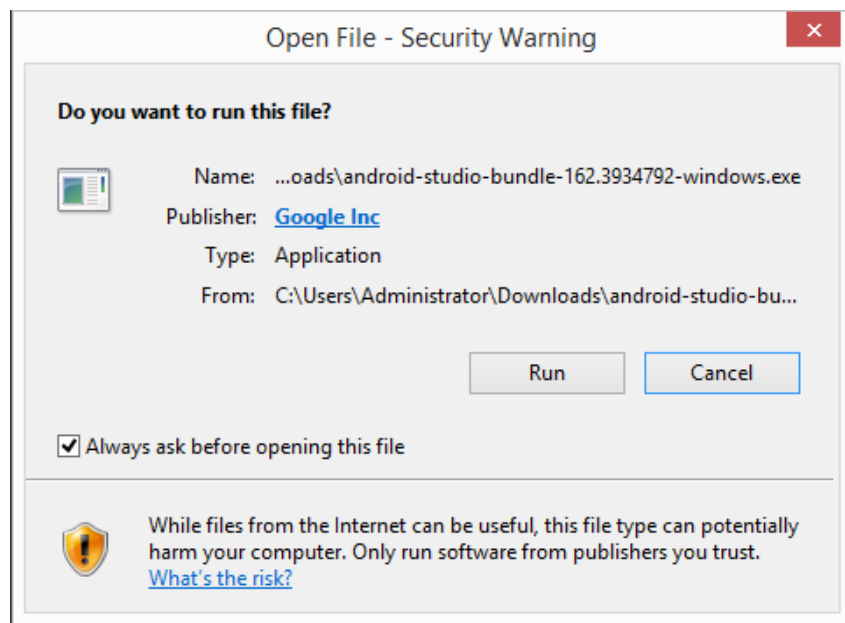- Appium Installation
- Setup uiautomatorviewer
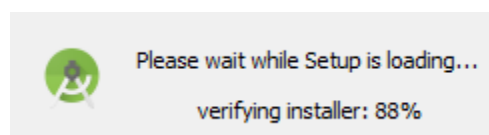
# Android Studio Installation

**Prerequisites:**

- Android Studio can be installed in the system from  the Website
  https://developer.android.com/studio/index.html
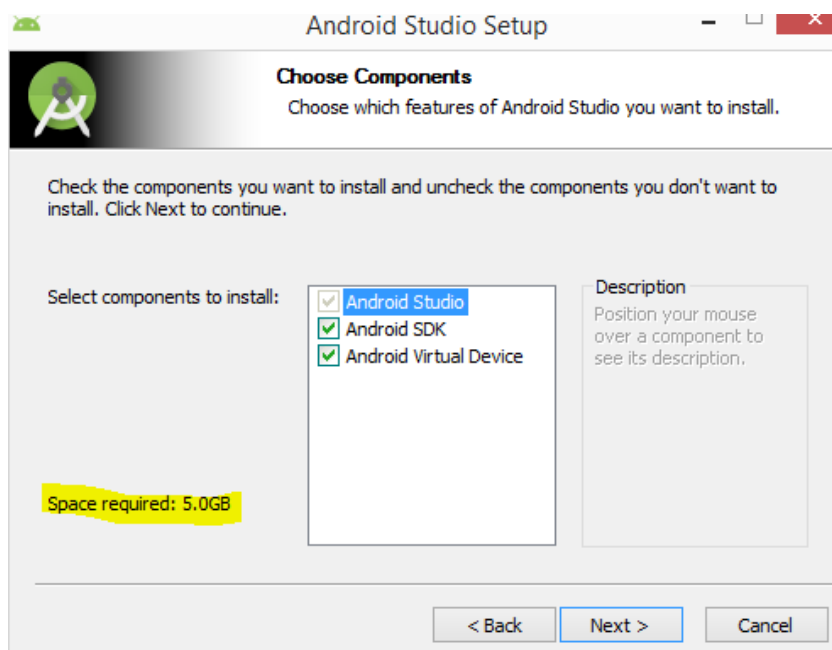


Click Run to install Android Studio
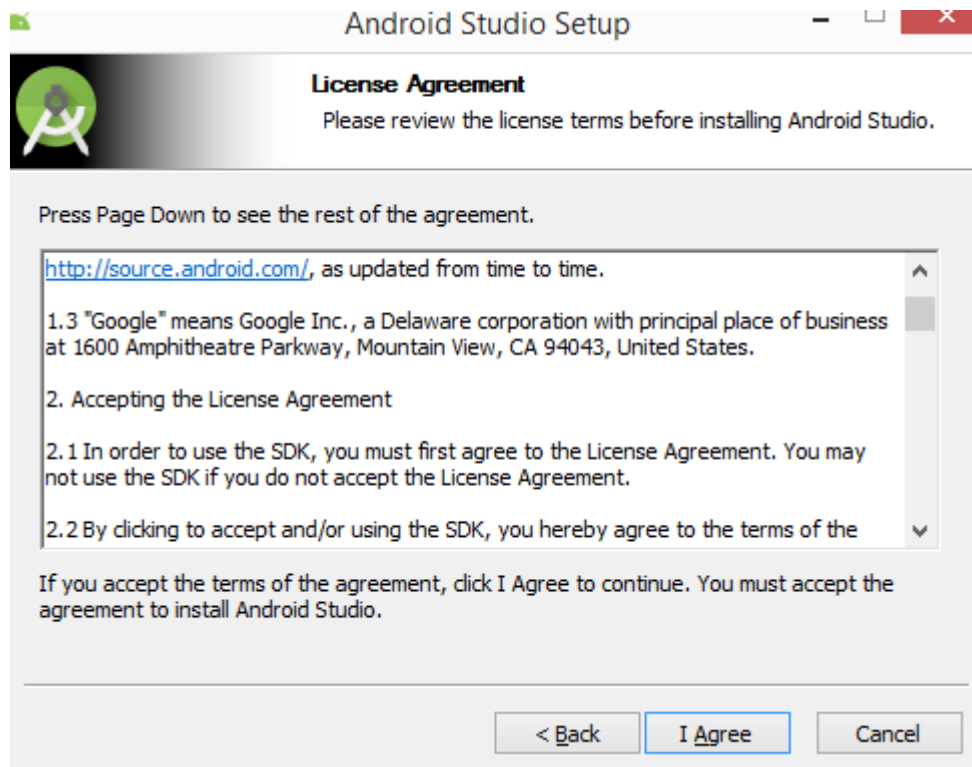


Wait till the setup is loading
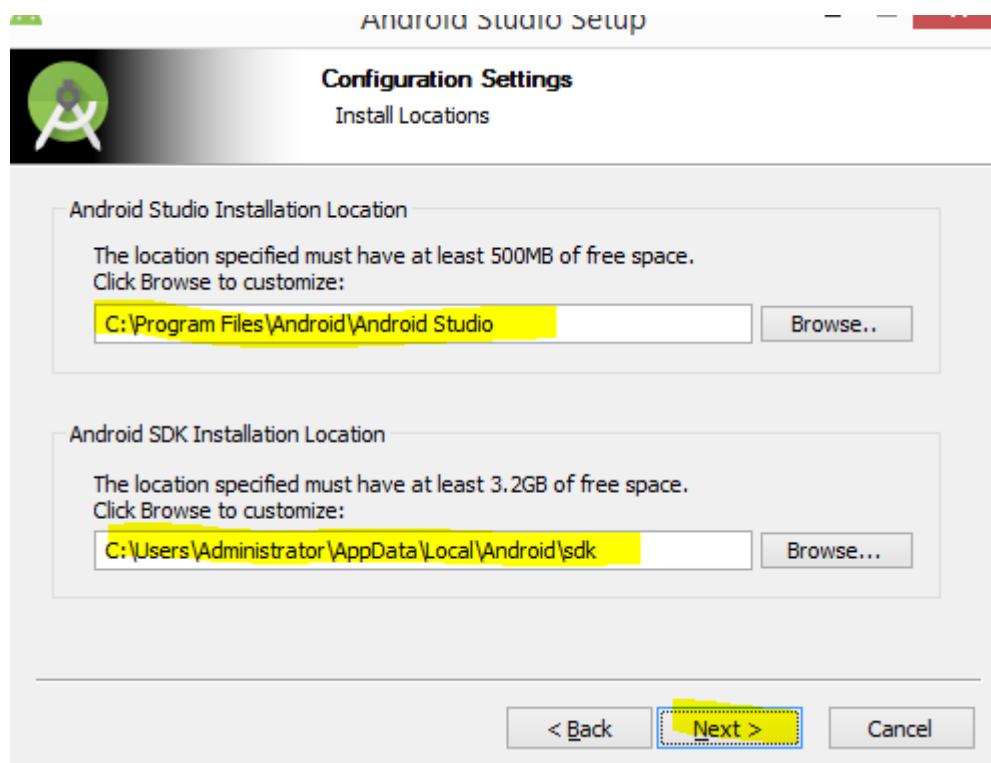
Click Next to Install Android Studio Setup



Check Android SDK and Android virtual Device as shown in Image and make sure you have 5 gb disk space
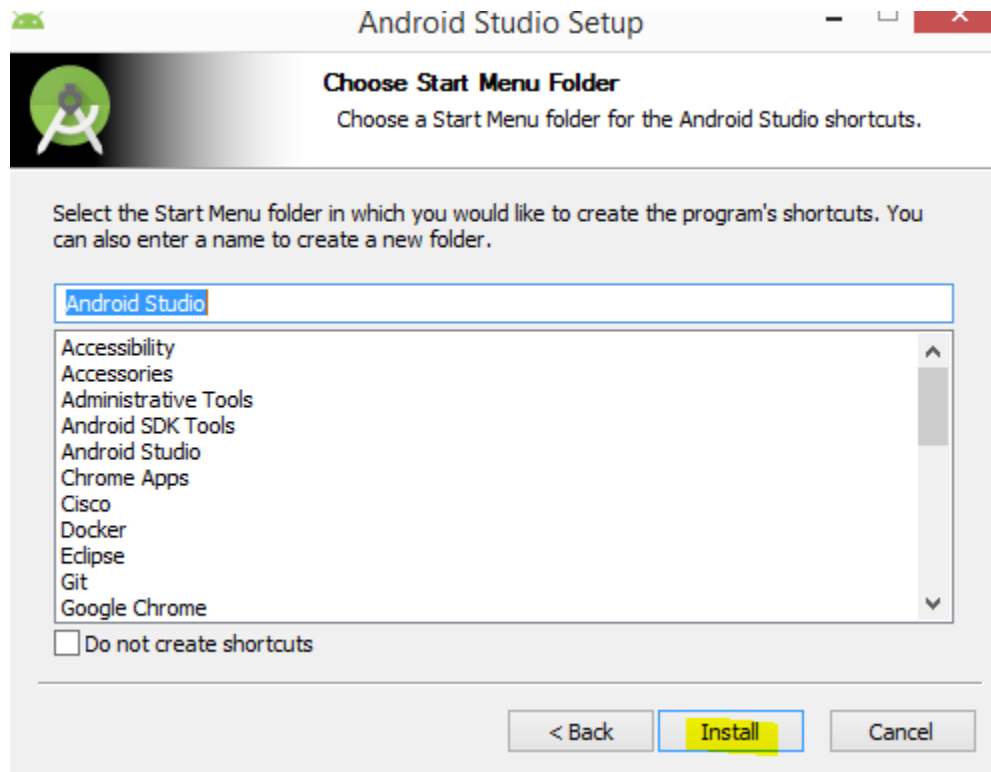
Click I Agree to install



Choose the path to install both Android Studio and Android SDK installation
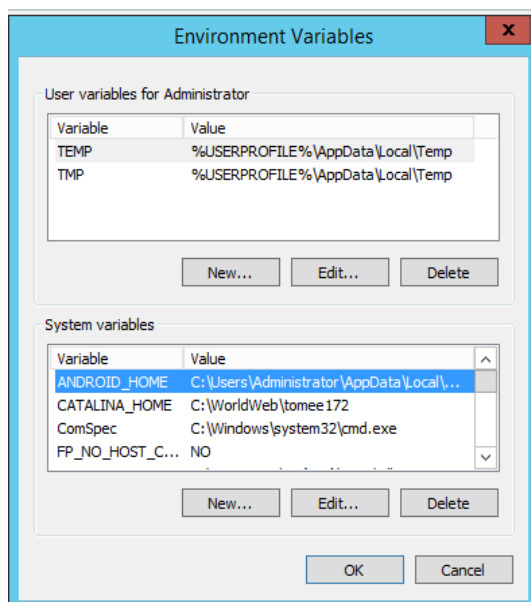location and Click Next

Click on Install



Once Installation is done click on Close button.

We will now start setting up Android configuration from scratch. Follow below steps for the same.

- Go to Control Panel\System and Security\System -> Click on Advanced System Settings
- Click on the Environment Variables Under System Variables

- Set ANDROID_HOME environment variable which points to your Android SDK
  directory as New System Variable.
  Eg -> C:\Users\Administrator\AppData\Local\Android\android-sdk)

- Scroll on find "Path". Click on Edit Button.
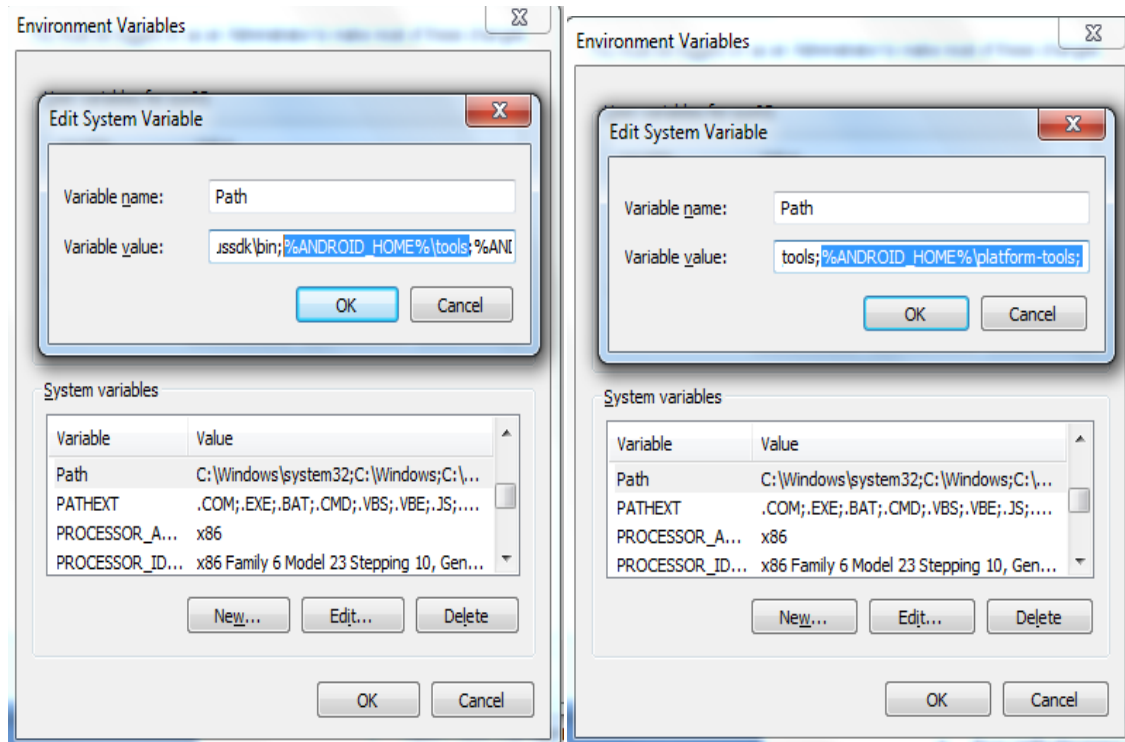


- Add the following three variable '**%ANDROID_HOME%\tools;
  %ANDROID_HOME%\platform-tools; %ANDROID_HOME%\build-tools;**' as a PATH
  environment variable.

## Debugging Option in Android Phone

1. Open Settings > About > Software Information> More.

2. Then tap "Build number" **seven** times to enable Developer options.

3. Go back to Settings menu and now you'll be able to see "Developer options".

4. Tap it and turn on USB Debugging from the menu on the next screen.

5. If the same mobile is attached to different computer/laptop **Allow USB debugging**
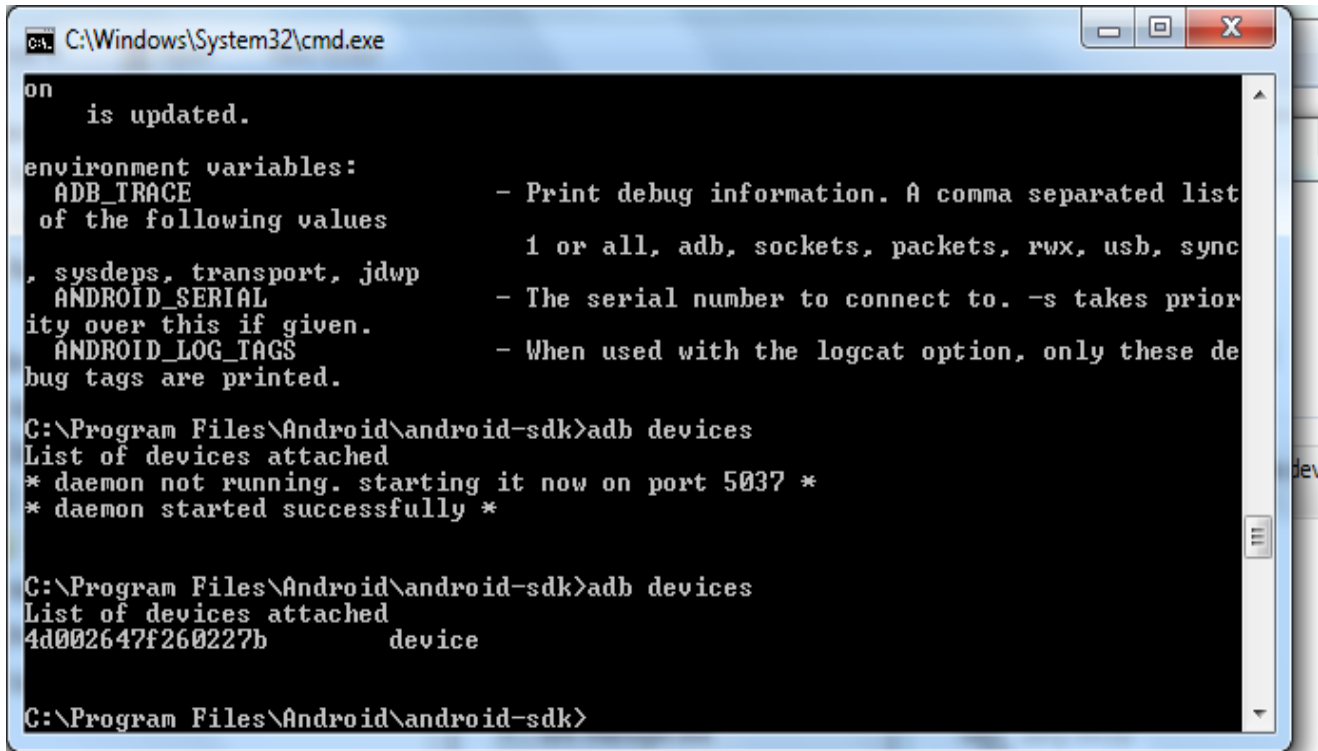   should be checked again for the adb unauthorized device to be authorized device.
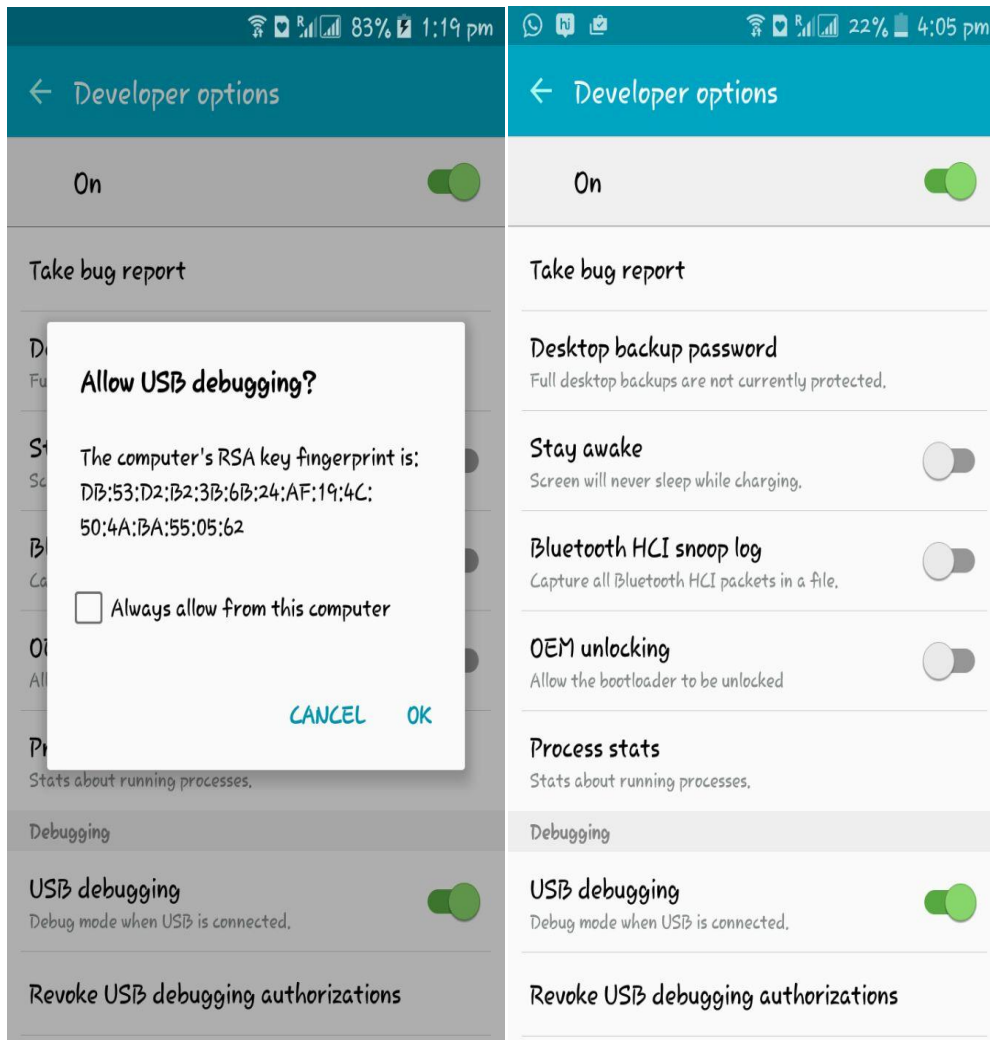
# Android Bridge (Debug Process)

**Note:** Connect an Android phone before starting the process.

**Step 1:** Open cmd Prompt and Type "adb devices" then enter. If the device is enabled with debugging option then the phone will be listed as shown below

Eg -> 4d002647f260227b device



**Step 2:** If the device is not listed per above steps, then download "PdaNet for Android" from the site: http://pdanet.co/a/
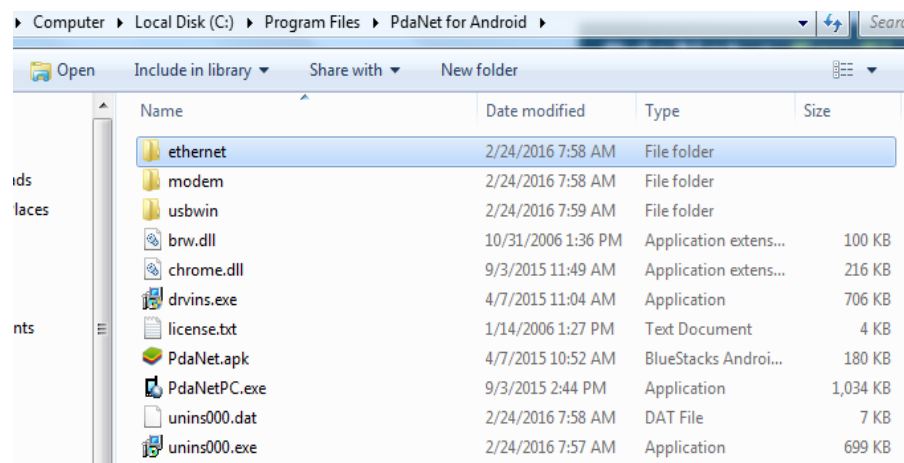
**Step 3:**　　　Now again start from step 1, connected devices will be listed.

If the device is not listed even after following in above steps, disconnect your phone from USB and reconnect your phone with the PC again. And open command line and run **"adb devices"** command again and confirm. If it is not fixed yet, run the following commands in your command prompt **"adb kill-server"**, **"adb start-server"** and now run the command **"adb devices"** again. Hope it should work still if you face any challenges Please work with TestLeaf support team.

## Appium Desktop App

- You can get it from official Appium site: www.appium.io/downloads.html
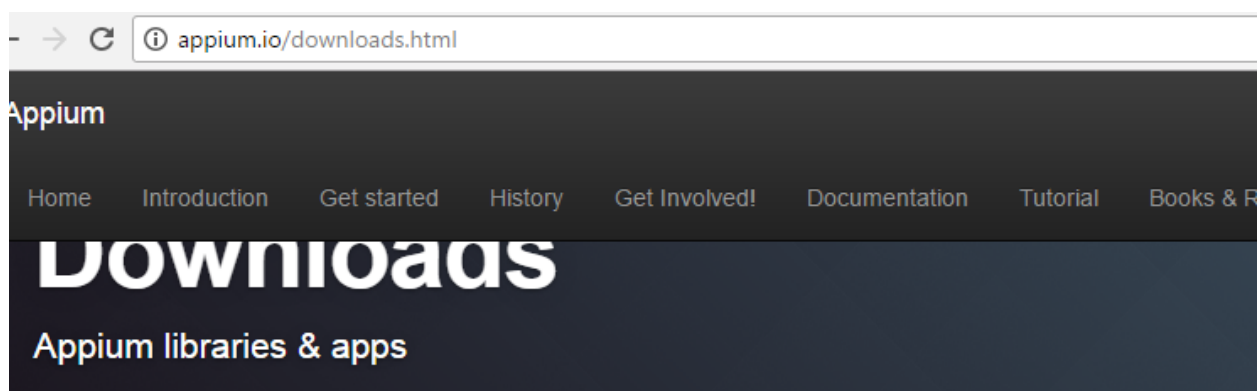
Latest release

🏷 v1.1.0-beta.2

🔗 ad83f89

# v1.1.0-beta.2

🤖 triager released this 15 days ago · 25 commits to master since this release

- Fix: Previous version had wrong Appium Version on Mac (1.6.4 instead of 1.6.5)

## Downloads

| | |
|---|---|
| 📦 appium-desktop-1.1.0-beta.2-mac.zip | 169 MB |
| 📦 appium-desktop-1.1.0-beta.2-x86_64.AppImage | 219 MB |
| 📦 appium-desktop-1.1.0-beta.2.dmg | 143 MB |
| 📦 appium-desktop-Setup-1.1.0-beta.2.exe | 96.4 MB |
| 📦 latest-mac.json | 198 Bytes |
| 📦 latest.yml | 137 Bytes |
| 📄 Source code (zip) | |
| 📄 Source code (tar.gz) | |

- Now, navigate to Appium directory in your system and start Appium by clicking Appium.exe file.
- Click on "Start Server" button, Your Appium listener should be started as below
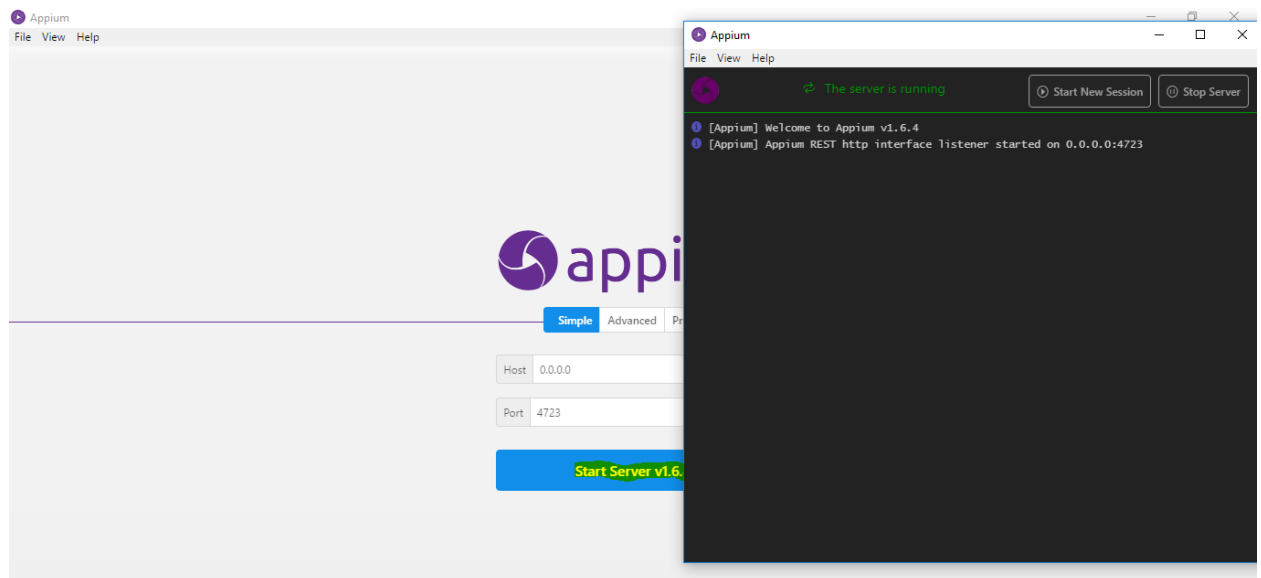
# Android version

Go to your phone and bring up Settings -> System / General -> About device.

Note: It may vary phone to phone, navigate to the corresponding screen based on your mobile model.
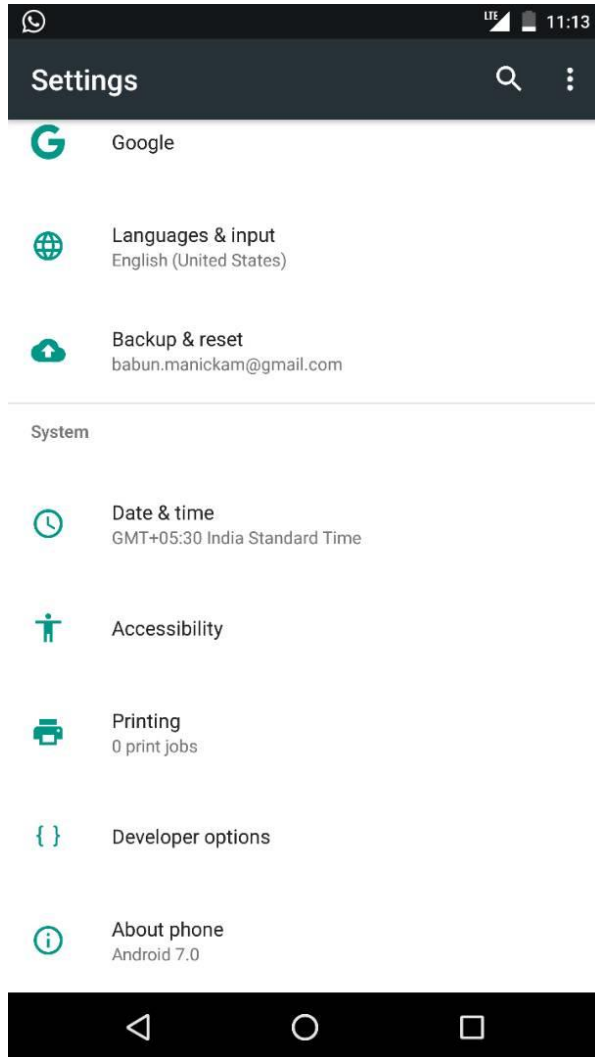


# Vysor installation

Install vysor for desktop and for devices

For desktop version:

https://chrome.google.com/webstore/detail/vysor/gidgenkbbabolejbgbpnhbimgjbffefm?utm_source=chrome-app-launcher-info-dialog

For android devices:

https://play.google.com/store/apps/details?id=com.koushikdutta.vysor&hl=en

## Steps to setup uiautomatorviewer

you can find the uiautomatorviewer under tools\bin



Copy the adb.exe file from platform-tools and paste it this path (tools\bin)



Now run the uiautomatorviewer.bat file to inspect the elements. Result should be like below for successful setup.

UI Automator Viewer

Node Detail

s