**Pre-Condition:**

**Talk to IT Team to configure BIOS Setting which will launch AVD Manager in Android Studio**

<https://github.com/AravindaHB/appium_247ai>

**Setting up Appium on windows**

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1. **Java JDK**
   1. set the environment variables.
   2. JAVA\_HOME -> C:\Program Files\Java\jdk1.8.0\_121
   3. PATH->C:\Program Files\Java\jdk1.8.0\_121\bin
2. **Download android Studio** 
   1. https://developer.android.com/studio/
   2. by default it comes with 2 packages-- 1) Android SDK 2) Android Studio
   3. By Default SDK will be installed in *C:\Users\<<user>>\AppData\Local\Android\Sdk*

sdk contains the required lib / softwares to run the Android Emulator

* 1. Set ANDROID\_HOME -->C:\Users\Aravind\AppData\Local\Android\Sdk
  2. under sdk folder, we have several libraries, add those libraries to PATH Environment Variable
  3. PATH-->C:\Users\Aravind\AppData\Local\Android\Sdk\platform-tools

C:\Users\Aravind\AppData\Local\Android\Sdk\tools

C:\Users\Aravind\AppData\Local\Android\Sdk\tools\bin

1. **Configure Virtual device**
   1. Open your android Studio from C:\Program Files\Android\Android Studio\bin\Studio64.exe

or start->Program Files->Android Studio->Android Studio.exe

* 1. from android studio go to Tools->AVD Manager
  2. Click on Create Virtual Device button from AVD Manager Window and create a virtual device and close it
  3. To open emulator goto platform-tools, from the address bar copy the address and type cd and paste it in cmd promt
  4. emulator -avd <<DeviceName>> ex: emulator -avd Pixel
  5. Download Node.js-->Appium comes as a node module

1. **Installing with node.js**
   1. Check node is installed - > cmd->type node –version ->
   2. Check npm-> npm –version
   3. If not installed ->google->download-node.js-> go to windows installer
      1. [https://nodejs.org/en/download/](https://www.youtube.com/redirect?v=x-hBpgM5je8&event=video_description&redir_token=b-eFvDByvnJ74J9kFCwSzQbGOyJ8MTU3OTE4MjQxNEAxNTc5MDk2MDE0&q=https%3A%2F%2Fnodejs.org%2Fen%2Fdownload%2F)
   4. Install node.js by default we get npm along with node
   5. Check if node.js and npm are installed now - > where node where npm
   6. Install Appium with node.js - > npm install –g Appium

OR

1. **Installing appium with APPIUM DESKTOP CLIENT**
   1. Step 1 : Download appium desktop client
      1. [http://appium.io/](https://www.youtube.com/redirect?v=x-hBpgM5je8&event=video_description&redir_token=b-eFvDByvnJ74J9kFCwSzQbGOyJ8MTU3OTE4MjQxNEAxNTc5MDk2MDE0&q=http%3A%2F%2Fappium.io%2F)
      2. [https://github.com/appium/appium-desk...](https://www.youtube.com/redirect?v=x-hBpgM5je8&event=video_description&redir_token=b-eFvDByvnJ74J9kFCwSzQbGOyJ8MTU3OTE4MjQxNEAxNTc5MDk2MDE0&q=https%3A%2F%2Fgithub.com%2Fappium%2Fappium-desktop%2Freleases%2Ftag%2Fv1.8.2)
   2. Step 2 : Install appium desktop client Step
   3. 3 : Start appium through appium desktop client (*google for Appium doctoer)*
2. **To check appium installation & dependencies**

Install appium-doctor

* 1. [https://github.com/appium/appium-doctor](https://www.youtube.com/redirect?v=x-hBpgM5je8&event=video_description&redir_token=b-eFvDByvnJ74J9kFCwSzQbGOyJ8MTU3OTE4MjQxNEAxNTc5MDk2MDE0&q=https%3A%2F%2Fgithub.com%2Fappium%2Fappium-doctor)
  2. npm install appium-doctor -g
  3. appium-doctor -h
  4. appium-doctor --android

1. **Download Appium Client:**
   1. go to the official website - http://appium.io/downloads.html
   2. go to selenium official website and download selenium jar files
2. **configure your eclipse project**

**NOTE:**

**1.** **Demo APP :**

https://github.com/appium/java-client/blob/master/src/test/java/io/appium/java\_client/ApiDemos-debug.apk

**2. UI Automate Viewer**

C:\Users\Aravind\AppData\Local\Android\Sdk\tools\bin