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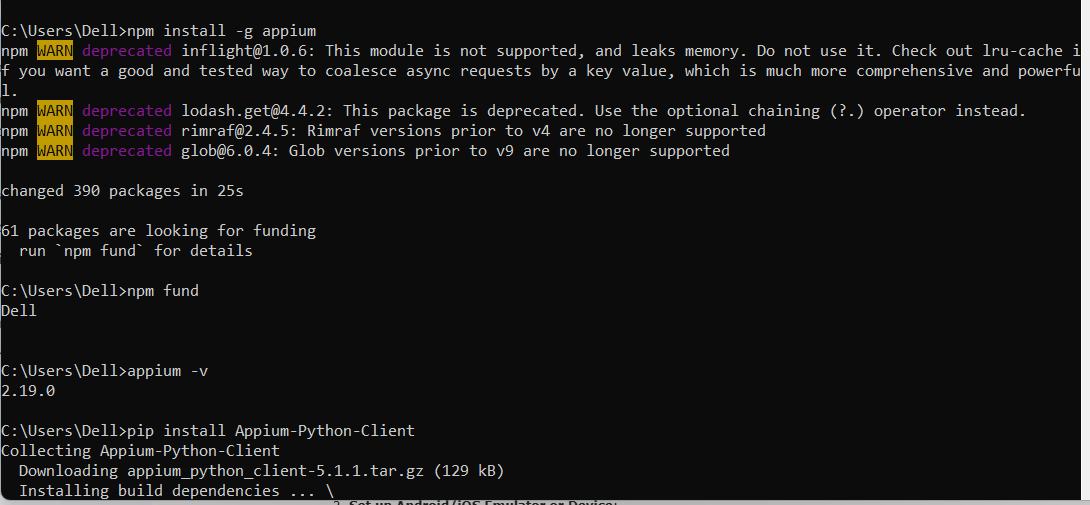
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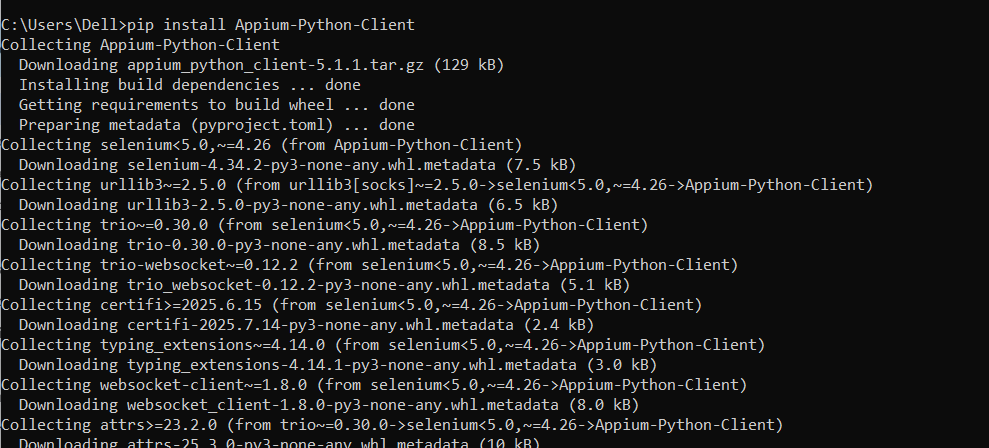
# Pre setups:

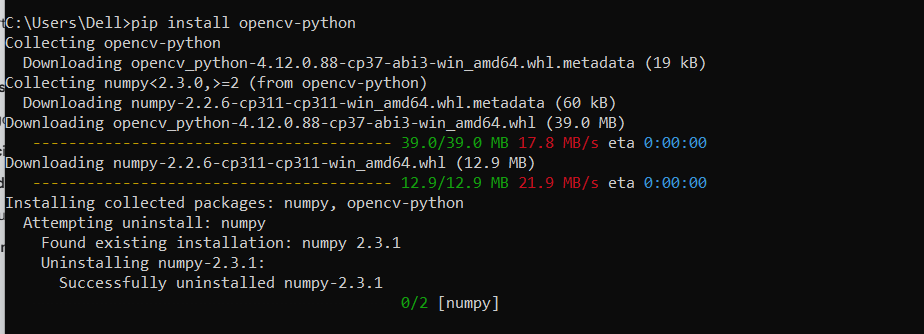
1. For automating the page navigation within the **Norton VPN app** using **AI-powered navigation** and **Appium**.

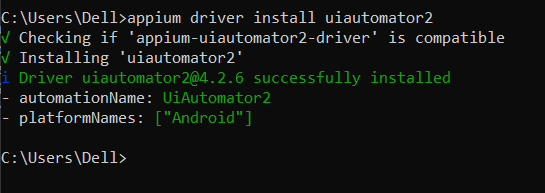
## Tools installed:

1. **Appium**: mobile application automation tool to work with Android
2. **Python**: To write the automation script.
3. **OpenCV** (optional for AI-based image recognition): To dynamically detect visual elements if they cannot be located using traditional locators



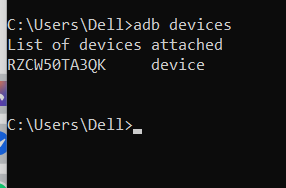




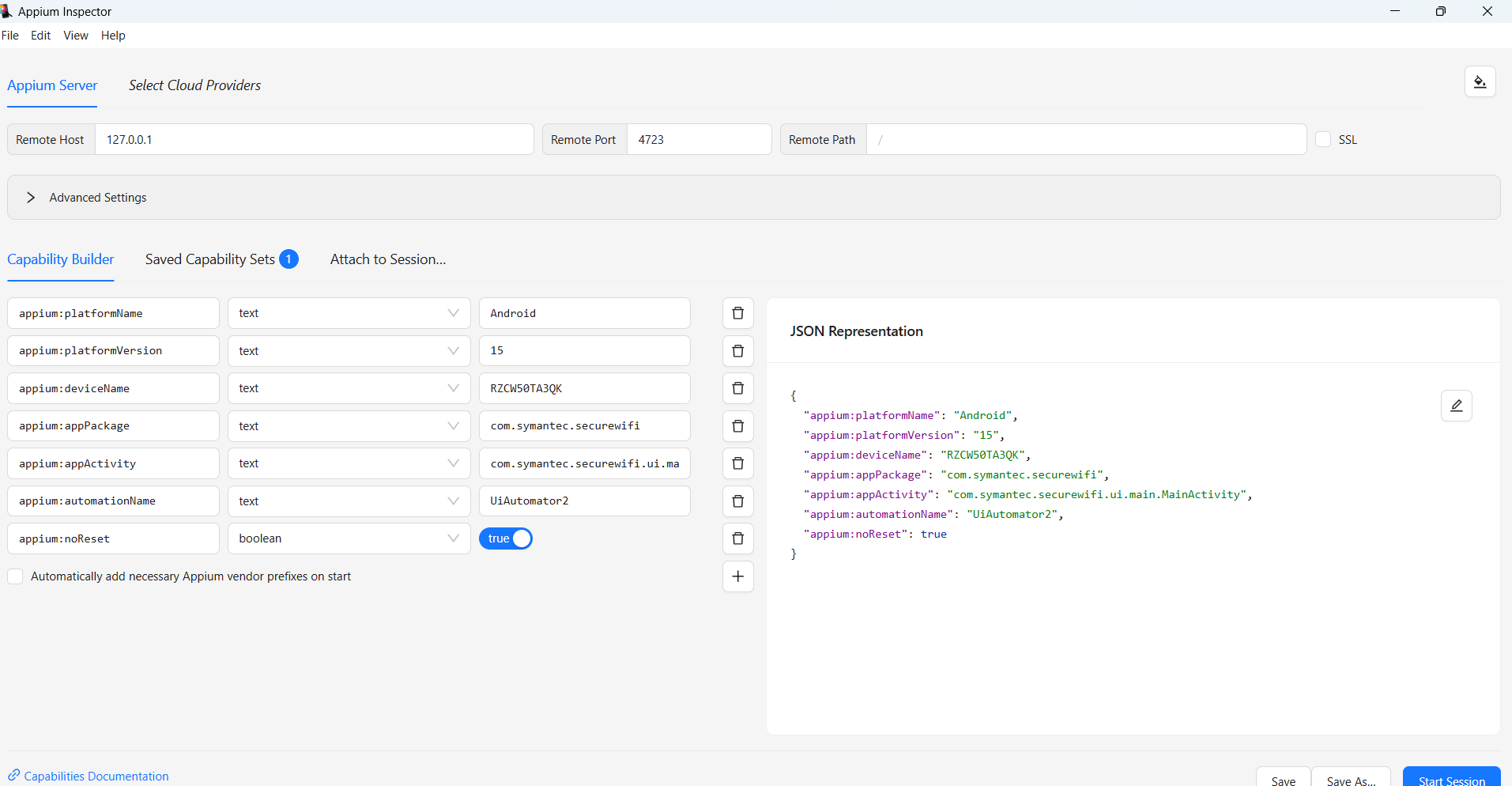
1. Change phone to debugging mode
2. Install UIautomator2
3. Add path in env variable

In the **System Properties** window, click **Environment Variables**.>Under **System variables**, find Path and click **Edit**> Click **New** → paste:

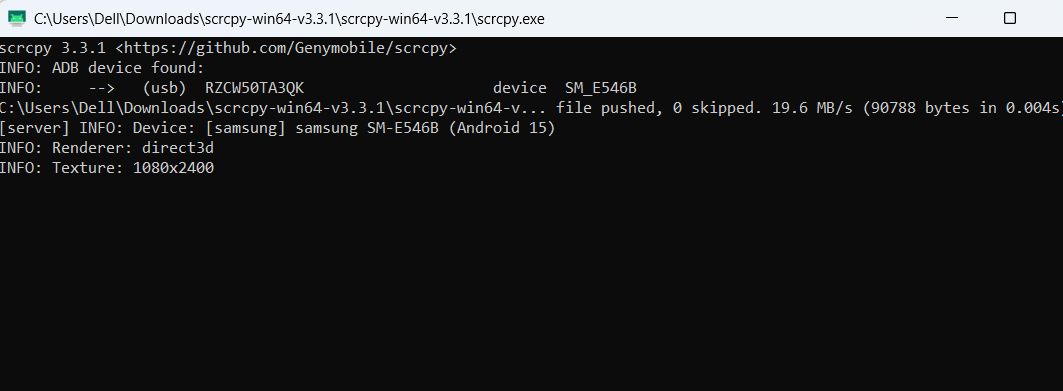
1. Adb devices – makes sure connected



1. Appium Inspector to inspect element



1. Install SAMSUNG\_USB\_Driver\_for\_Mobile\_Phones\_v1.9.0.0.exe
2. Setup platform-tools-latest-windows (2).zip
3. Setup android-studio-2025.1.1.14-windows.exe
4. Setup UniversalAdbDriverSetup.msi
5. Setup scrcpy-win64-v3.3.1.zip
6. Setup Appium-Inspector-2025.7.1-win-x64.exe
7. Start Appium via CMD
8. Start scrcpy to connect mobile screen in windows machine



1. Execute script and view progress via scrcpy connect

## Step 2: Start the Appium Server

## Step 3: Define Desired Capabilities for Your Device and App

## Step 4: Write the Automation Script Using Appium: automate page navigation through buttons such as “Get Started”

1. refer fer [getstarted.py](https://github.com/jollyjerinjoy/AITask/blob/main/getstarted.py)

|  |  |
| --- | --- |
| 1. [Appium\_Automate\_Get started button\_Recording.mp4](https://github.com/jollyjerinjoy/AITask/blob/main/Appium_Automate_Get%20started%20button_Recording.mp4) |  |

## Step 5: Running and Verifying the script

1. Captures the screen of the device and matches a given template image (like a button or icon) to locate its position on the screen.
2. find\_element\_using\_image function to find and tap buttons (e.g., "Get Started",) by providing their image paths.

Step 6: future

* **Gesture-based AI**: You can use AI-based models to recognize gestures instead of using fixed locators or images.
* **Advanced Image Recognition**: can integrate a machine learning model for enhanced dynamic detection of UI elements.