Automate android emulator

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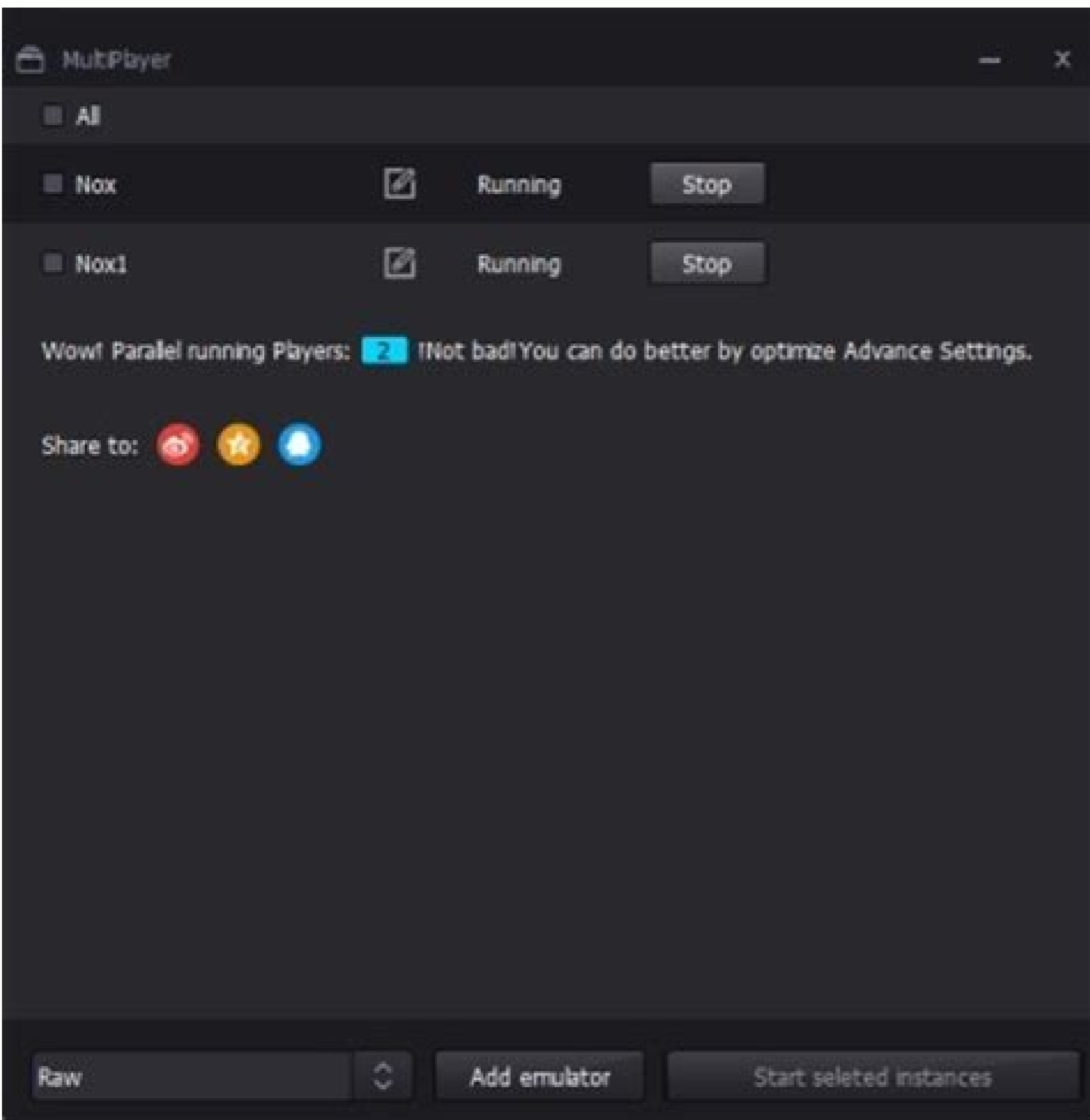
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Personalize your phone or tablet with automation. The free Android app allows you to automate various tasks on your smartphone or tablet. Implement automation with organizations, ensure that devices automatically change settings such as Bluetooth, Wi-Fi, NFC, or perform actions such as SMS, email. Send messages based on your location, day, or the day of any other event." You can automate almost everything on your device, even support plugins for Tasker and Local. You change organizations, just add blocks and connect dots to create an automated one. Users can use expressions, variables and functions. Share your automation - Streams are secure and easily shared with the built-in community and also available on the web. Convenient, no ads. No trial period. All functions are available. everyone (if they are even in the GE tank). Premium unlocks the use of over 30 blocks. PLC building blocks include more than 360 blocks, including actions, conditions, event trigger, loops, etc. : ADB client for accounting button (car); with wireless alarm debugging wireless debugging area; waiting for a specific application; launch, kill, list, pre-schedule, flush cache, request application usage information; Switch, priority, visibility appops help to help (assistant) carefully guide the son; Device, recording, bulk battery; Download, Level, Bluetooth properties; Connect, connect, disconnect, scan (including IBeacon, Eddystone and URL tags), SCO, bind, broadcast toggle; decision to send a calendar event; Add, call question; Car cell tower status with camera, numbering, incoming, outgoing, projection; There are several mailboxes nearby; Get/set notifications in the cloud; receive, send color; Select Content; Modify, copy, delete, collage, update, highlight, contact request; Select the CyanogenMod profile speed profile to use data; Docking, jisa, look, lock up, focus on dialogue; Select, Color, Verify, Date, HTML/Web, Record, Map, Network, Time, etc. Include, Email Mail Inquiry; Create, send file; Restore, copy, move, delete, create directory, view, select FTP torch; Delete, download, list, create directory, download full screen gesture; Device movement, gmail fingerprint geocoding ¢; Build, Submit, Don't Read a Google Reader Audience; Delete, upload, list, share, upload image Google Assistant Retry HTTP detected by voice action; Rogen, Return, Work, Rotate, Sample transfer method AND input method (soft keyboard); Select, fixButton/button (do not disturb); When you press it, send the visible location of the Keys keyboard to the keys; Wait, accept, compose the position provider (GPS, etc.) Logcat locking screen (keyboard) Medile medile medile medile medile (Exif/MP3) MMS Mic Mute; compose, send mobile network; Preferred (2G/3G/4G/5G), type, operator, service status, signal power mobile data; switch, network bandwidth; Connection, type, bandwidth, service search (DNS-SD via MDNS) NFC; Digitization, storage of the brand's night alert mode; Display, hide, cancel, define rules, subject ping reading sound plugins; Tasker, brightness of the location process, orientation, stopping time sensor; Acceleration, heart rate, curtain, light, magnetic field, podometer, physical activity, pressure, proximity, significant movement, temperature, control of the user's sleep shell; Shortcut adb, root/superutilizer; Install, launch the SIM card; SMS switching; Compose, send, send, receive strong voice recognition capture, SQLite shared screen; Personalize, request storage; The invention concerns a system of connected low -point language system which is converted into speech; Play, save time; Waiting time timer of the USB USB Connection Connection Window Automation of the user interface; Return, click, copy, deletion, development, reception, long click, opening of notifications, insertion, supply of the dialog box, fast parameters, last, selection, cross, etc. Image, Wi-Fi live weather; Connect, tie, access point, call, scanner, Zip signal power cable helmet; Compression, extract, Android display, Gmail, Google Assistant, Google Drive, Google Play and the Google Play logo are registered trademarks of Google LLC. May 28, 2021 This series of tutorials will guide you through the basics, starting with the creation of mobile automation test scripts with Android emulators under Windows. In the introduction of this article, we configure our Windows PC using an Android emulator and use the scriptworks control tool. Before you start, you can read our mobile application guide to fully understand the subject. Let's go step by step. 1) First Android studio on your Windows PC. To do this, go to and click Download Android Studio. 2) Accept the terms by checking the box and clicking on download Android Studio for Windows. 3) Double-click the downloaded .exe file (executable file) to start the installation process. A clickNext button. Press the second button. Press the second button. Click the Settings button. Activate the following checkbox to check Android studio and click Finish. 4) Now set the Android_home environment variable (condition: make sure Java JDK 1.8 or higher is successfully installed and configured on your system). Browse the environment in the variable search area. Click on the environment variable button, click on the "New Button" button in User Variables. Then enter the variable name as "Android_home", to enter the value of the variables, we must follow the Android SDK path. To do this, enter the search string and press Enter, type %appdata%å and press OK. Click the button to navigate to the local Android SDK. Now copy the street from the address bar and paste it into the new custom variable value dialog. Click OK. Now, usually twice after the system. And enter two more streets. sdk-platforms-tools-sdk Click OK and close the environment variables dialog by clicking OK. 5) Now launch Android Studio and set up the android emulator which is required to install the android test. File "new" "new" new project "Phone and tablet" click "Next". Now name the new project. For more information, I have given the name "My Test Application" as shown in the following screens: click "Place". Now go to tools and click on AVD Manager.(Extras â Ð Manager) In category Create a virtual device, select phone and then select Pixel 4A and then click on the second button. Now select system image. We will select the level of our emulator API. You will see it with x86 images.If not,it can be downloaded.Then click the button.Finally, click the Place button.In the virtual device manager for android virtual devices,you can see the virtual device/emulator.Click the start button to start. 6) Now we install the test program in the emulator For this exercise we are using the Saucelabs mobile application which can be downloaded from the following page: elabs/sample-app-mobile/release/download/2.7.1/and.saucelabs. Mobile .mobil .2.7 .1. Once downloaded, drag to the emulator window. You should see the installation in the emulator running as shownScreenshot below. 6) Now we will install Appum on our Windows computer so scriptworks can interact with the Appium server and we can automate the application installed in the emulator. To install Appium, go to and click Download Appium. Double -click the downloaded .exe file (executable file) to start the installation process. Check the radio button that all users are mentioned. And click the install button. When the installation process is complete, remove the mark from the Run Appium check box and click the Finish button. 7) Installed Android Studio, Android emulator with a ready -made test app, installed Appium. All we have to do is start our script customer. If we have not yet installed it and do not know how to do it, follow this article. Next, we will configure the script execution parameters. Before completing the information parameters information, three important parameters are required, which is: - tested mobile application application package; mobile test application operation; Emulator AVD-ID How can we get them all by one. How to get an app pack and mobile app: - Open the Windows command prompt. Now open the mobile application to be checked in the emulator. As a screenshot below. At the command prompt, check that the devices are connected to it by typing "ADB devices". Now enter the "adb shell" command. Then enter the command: Dumpsys window | Grep -e mcurrentfocus and press Enter/Return. Here part before the symbol "/", i.e., com.SwaglabsmobileApp is the name of the package, and part after, i.e., com.SwaglabsmobilEApp. Mainactivity is the name of the activity. Now we have an emulator AVD ID. To do this, go back to AVD Manager, click the carrot icon on the right, and then click Show Information in the drop -down list. The Emulator Details dialog box opens. Scroll down until you find Avdid. Now we have three important parameters needed to create the information on the script parameters. We can continue: 8) Let's create ScriptWorks' executive parameter information. To do this, open the scriptworks.io site and log in with your credentials. Then go to your project and click the gear icon on the left. Click the New Executive Settings button. And enter the information you need in the Run Settings About dialog box. Let's call this executive time parameter as4a API 30- /WD /HUB will actually be a local Appium server, this time will try the mobile app for testing. Now click Add new and complete the data as follows: - Hint - Right JSON part can be edited directly, cut and paste: {"platformname": "Android", "Device": "Pixel 4A API 30", "" "" PlatformSersion : "11.0", "BrowerName": "" "", Avd ": " Pixel 4a_Api_30 "," Appackage ": Com.swaglabsmobileApp, Note: com.swaglabsmobileApp" ResetKeyBoard: true} Required Option for Update Update for Update Now Scriptworks- Client Start it as follows:- Now run Appium Server: Click test next to Selenium Scriptworks server Selected information to verify whether the connection between Scriptworks and Appium Server has been successfully established.? Glow Green: If the lamp glows red, check that the previous steps have been done successfully and all components are working correctly, click save to save the settings. 9) Now click the CE symbol Lu to go to the ScriptWorks Inspector and click the developed mode to select a local session. Click Start. Select Post Pixel 4A 4A API 30 with "Session Start Select Startup Settings" and the runtest should be started in the emulator and the screenshot in the screen inspector as shown below: If the screenshot is blank, press the refresh button. Inspector Communication Inspector Take a new screenshot of the Inspector Box. This way we can view android app in emulator using Scriptworks in our android studio, Appium and Scriptworks. Next Position >> Introduction >>