












## Processos de instalações realizados para iniciar o sunflower.apk

**01** - Foi instalado os seguintes programas para dar início aos processos de automatização de testes:

Organizar ▾ Desinstalar Alterar		
Nome	Editor	
 Java SE Development Kit 8 Update 341 (64-bit)	Oracle Corporation	
 Python Launcher	Python Software Foundation	
 Node.js	Node.js Foundation	
 Java 8 Update 341 (64-bit)	Oracle Corporation	
	Skillbrains	
	Microsoft Corporation	
 Microsoft Visual Studio Code (User)	Microsoft Corporation	
 Python 3.10.8 (64-bit)	Python Software Foundation	
 Appium 1.17.1-1	Appium Developers	
	Microsoft Corporation	
 Android Studio	Google LLC	

### Instalações básicas:

#### Console Emulator (CMDER):

Trabalhar usando linha de comando / Instalação do Appium

#### VS code:

Editor de códigos

#### Python:

Para ter um ambiente que suporte o Root Framework

### Ambiente Android:

#### Java JDK8:

Compatível com o Appium / configuração **JAVA HOME** no windows

#### Android Studio:

Ambiente de desenvolvimento na plataforma Android. Ao instalar ele também instala uma plataforma SDK, onde o Appium, precisa dessas ferramentas para funcionar corretamente.

AVD para criar um smartphone virtual para executar os testes automatizados.

Configuração **ANDROID HOME** no windows

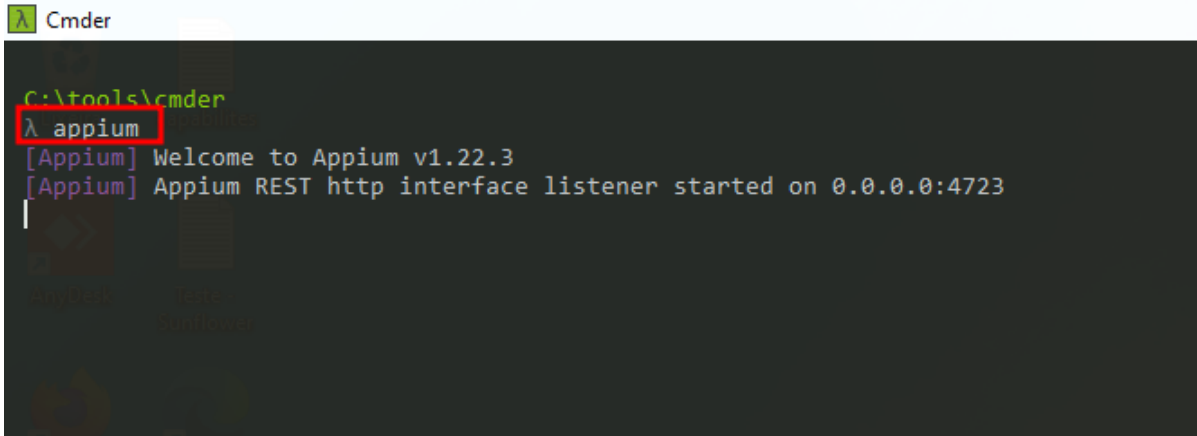
#### Servidor Appium e Appium Desktop:

Implementar os testes automatizados utilizando o RobotFramework

#### NodeJS:

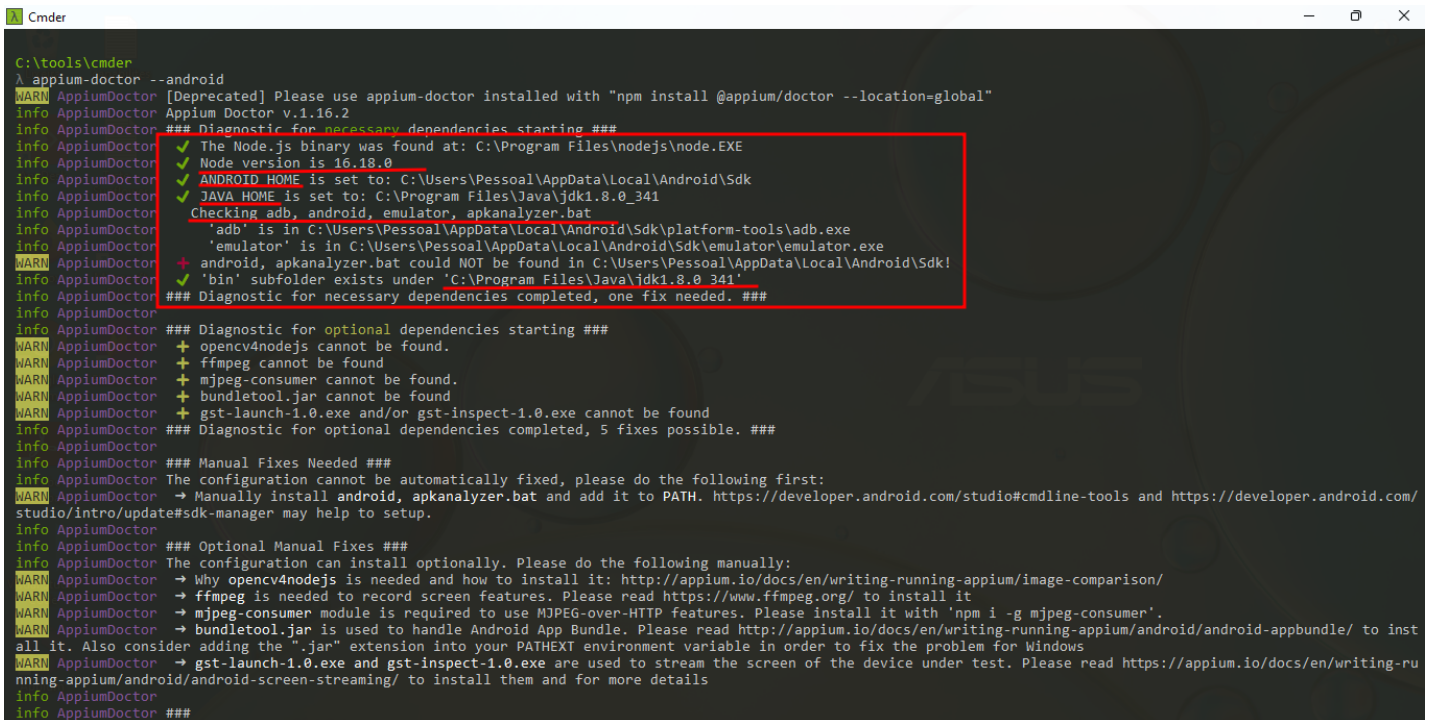
Como ferramenta de diagnóstico para avaliar o ambiente. O Appium é um servidor WEB feito em NodeJS que expõe uma API REST

**02** - Captura de tela do CMDER mostrando o Appium configurado na porta: **4723** como portão padrão do servidor do Appium



```
C:\tools\cmder
λ appium
[Appium] Welcome to Appium v1.22.3
[Appium] Appium REST http interface listener started on 0.0.0.0:4723
```

Com o comando: **appium-doctor --android** é possível executar um diagnóstico do computador para mostrar se ele está preparado para criar seções do Appium com o Android



```
C:\tools\cmder
λ appium-doctor --android
WARN AppiumDoctor [Deprecated] Please use appium-doctor installed with "npm install @appium/doctor --location=global"
INFO AppiumDoctor Appium Doctor v.1.16.2
INFO AppiumDoctor ### Diagnostic for necessary dependencies starting ###
INFO AppiumDoctor ✓ The Node.js binary was found at: C:\Program Files\nodejs\node.EXE
INFO AppiumDoctor ✓ Node version is 16.18.0
INFO AppiumDoctor ✓ ANDROID_HOME is set to: C:\Users\Pessoal\AppData\Local\Android\Sdk
INFO AppiumDoctor ✓ JAVA_HOME is set to: C:\Program Files\Java\jdk1.8.0_341
INFO AppiumDoctor Checking adb, android, emulator, apkanalyzer.bat
INFO AppiumDoctor 'adb' is in C:\Users\Pessoal\AppData\Local\Android\Sdk\platform-tools\adb.exe
INFO AppiumDoctor 'emulator' is in C:\Users\Pessoal\AppData\Local\Android\Sdk\emulator\emulator.exe
WARN AppiumDoctor + android, apkanalyzer.bat could NOT be found in C:\Users\Pessoal\AppData\Local\Android\Sdk\
INFO AppiumDoctor ✓ 'bin' subfolder exists under 'C:\Program Files\Java\jdk1.8.0_341'
INFO AppiumDoctor ### Diagnostic for necessary dependencies completed, one fix needed. ###
INFO AppiumDoctor ### Diagnostic for optional dependencies starting ###
WARN AppiumDoctor + opencv4nodejs cannot be found.
WARN AppiumDoctor + ffmpeg cannot be found
WARN AppiumDoctor + mjpeg-consumer cannot be found.
WARN AppiumDoctor + bundletool.jar cannot be found
WARN AppiumDoctor + gst-launch-1.0.exe and/or gst-inspect-1.0.exe cannot be found
INFO AppiumDoctor ### Diagnostic for optional dependencies completed, 5 fixes possible. ###
INFO AppiumDoctor ### Manual Fixes Needed ###
INFO AppiumDoctor The configuration cannot be automatically fixed, please do the following first:
WARN AppiumDoctor → Manually install android, apkanalyzer.bat and add it to PATH. https://developer.android.com/studio/intro/update#sdk-manager may help to setup.
INFO AppiumDoctor ### Optional Manual Fixes ###
INFO AppiumDoctor The configuration can install optionally. Please do the following manually:
WARN AppiumDoctor → Why opencv4nodejs is needed and how to install it: http://appium.io/docs/en/writing-running-appium/image-comparison/
WARN AppiumDoctor → ffmpeg is needed to record screen features. Please read https://www.ffmpeg.org/ to install it
WARN AppiumDoctor → mjpeg-consumer module is required to use MJPEG-over-HTTP features. Please install it with 'npm i -g mjpeg-consumer'.
WARN AppiumDoctor → bundletool.jar is used to handle Android App Bundle. Please read http://appium.io/docs/en/writing-running-appium/android/android-appbundle/ to inst
all it. Also consider adding the ".jar" extension into your PATHEXT environment variable in order to fix the problem for Windows
WARN AppiumDoctor → gst-launch-1.0.exe and gst-inspect-1.0.exe are used to stream the screen of the device under test. Please read https://appium.io/docs/en/writing-ru
nning-appium/android/android-screen-streaming/ to install them and for more details
INFO AppiumDoctor
INFO AppiumDoctor ###
```

**03** - Vídeo Iniciando o app **sunflower.apk** e **Appium** para inícios dos testes automatizados.

Link: <https://watch.screencastify.com/v/REVKjGdTcYHNSliiG7c1>

**00:00 até 00:50** - Validando o Appium

**00:50 até 02:08** - Iniciando o Android

**02:08 até 04:39** - Iniciando o Appium

**04:39 até 06:50** - Configurando os Capabilities do Appium para iniciar o apk

**06:50 até 10:19** - Abrindo o apk e identificando através do Appium os elementos da tela com o seletor de elementos.

