MCD SCRAPPER



# Version: 1.0.0

# General Information:

This document provides a high-level overview to set up the price scrapper with the objective to reduce the high payload of low-level configuration required to get the application up and running.

# Resources:

* Node JS installation Link:

<https://nodejs.org/en/download/>

* Appium GUI Downloader Link:

<https://github.com/appium/appium-desktop/releases/tag/v1.22.3>

* Java JDK 8 installation Link:

<https://cfal-my.sharepoint.com/:u:/g/personal/kripu_khadka_hungryjacks_com_au/EWuRzkIl4ylHiArZELuocLQBAlaAWCR-wc4LDOA8BgUEzA?e=bFEsxN>

* Android Studio/Emulator Installation Link:

[https://developer.android.com/studio?gclid=EAIaIQobChMIh\_aZ6\_rW9wIVepJmAh0r3AK0EAAYASABEgK4nfD\_BwE&gclsrc=aw.ds#downloads](https://developer.android.com/studio?gclid=EAIaIQobChMIh_aZ6_rW9wIVepJmAh0r3AK0EAAYASABEgK4nfD_BwE&gclsrc=aw.ds%23downloads)

# \*\*\*Before we get Started\*\*\*

With the continuous development and improvement in the Native McDonalds AU Android Application, it is critical to consider the version of the app installed in our emulator, as frequent updates and drastic changes in the UI can totally affect the behaviour of the scrapper. It is crucial to consider ongoing improvements and tweak the functionality to accommodate the changes and handle the unwanted error.

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# Folder Overview:

A screenshot of a computer

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## Folder Overview:

### Api:

This folder includes the interface and code blocks which is responsible to Pipeline the I/O to our emulator.

### Error Logs:

Consists of all the logs for failure identification/bugs curated to identify any new error over time.

### Manual:

This folder includes the user & dev guide.

### Results:

This folder stores our products data scrapped by search in **CSV** format, the file in the folder is structured as Store Name (Ideally Location) followed by Date Stamp which is a unique identifier while scrapping data in different dates.

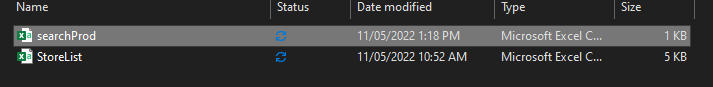
### source Files:

This folder includes the stores and products are on the list to be scraped, alter the store list and products as per your requirement.

searchProd.csv is the master file for products info

storeList.csv is the master file for store info.

\*\*\*Note\*\*\*: Do not change the file name as the file name are directly attached as a required binding to the low-level API of the scrapper.



\*\*\*Note\*\*\*: Do not remove the headers storeName and searchProd from the CSV files as they are the unique identifiers attached to the scrapper.

Graphical user interface, application, table, Excel

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# General Setup:

## Setup Node.js and Node Package Manager (NPM):

Installation of NodeJS and NPM is straightforward using the installer package available at NodeJS official web site.

* Download the installer from [NodeJS](https://nodejs.org/en/download/) official site
* Run the installer.
* Follow the installer steps, agree the license agreement and click the next button.
* Restart your system/machine.

Now, test NodeJS by printing its version using the following command in Command Prompt:

To open Command Prompt Click on start button present on your taskbar, and type CMD, then press enter.

Once the Command Prompt Dialog Box open, type in node -v. This is done to ensure that Node Installer has installed a copy of Node in your machine.

Text

Description automatically generated

Once you type in node-v, press enter. It should spit the version of Node installed in your machine.

\*\*\*Note\*\*: Please be mindful that the version of Node installed on your machine could be different than the one displayed in this manual, but the low-level work performed by all the versions is similar in our use case. Here, we have V16 installed.

Text

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Follow the similar drill, to check if NPM is installed in your machine, type in npm -v in the command prompt. It will print out the NPM version installed.

Text

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If any of the above-mentioned steps fails to print out the version of Node runtime and Node package manager installed in your machine, then please try re-installing or troubleshooting the installer.

## Setup Appium GUI Server:

**Step 1:** Download Appium desktop client by navigating to the following links

**Step 2:** Install Appium desktop client

Here the Appium desktop client is a flexible UI, through which you will be handling and managing the tasks.  
Look out for the known issues quoted on the website and spare some time to read the additional theory on the page, in order to be well informed about the application even before you start using it at first.

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**Step 3:** Start Appium through Appium desktop client  
Once you find the Appium application short-cut up on your system desktop, click on it and you will see the below screenshot.

Graphical user interface, application

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Leave the Host and Port Configuration as default as the API for our scrapper is configured to minimise the curve of additional config required.

Graphical user interface, text, application

Description automatically generated

Before your start the server, if this is your first time getting the server up and running few more configuration is required, click on Edit Configurations, a popup should appear with two input fields which explicitly provides us with the options to add on the environment variables for our Appium server to interact with the Android Emulator.

## Setup Android Studio/ Emulator:

## Setup Scrapper:

# Running Application:

# Bug reports:

# References:

Navigate to: [Webdriver.I/O Documentation](https://webdriver.io/docs/gettingstarted/)

Navigate to: [Appium API Documentation](https://appium.io/docs/en/about-appium/api/)

Navigate to: [Node.js Documentation](https://nodejs.dev/learn/)

Navigate to: [Android Studio Docs](https://developer.android.com/reference/android/view/KeyEvent)