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**datakund**

***Release 1.0.0***

**DataKund**

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DataKund is a powerful Record & Play tool. It can be used for variety of purposes like web scraping, automation testing, making bots. Make robots to automate fairly complex tasks by simply recording your tasks in the browser.



## GETTING HELP

Having trouble? We'd like to help!

- Want to [Learn](#) DataKund
- Looking for specific information? Try the [Index](#).
- Can see pre-built [APIS](#).
- Not Getting, see [demo](#).



## EXAMPLE

Lets see yellow pages scraper by DataKund in working



## WHAT IT CAN DO?

- **Automate Web Apps testing**
- **Automate Repetitive tasks eg.**
  - YouTube Video Upload Bot
  - Send LinkedIn Connects Bot
  - Send WhatsApp Messages Bot
  - Follow Instagram Profile Bot
- **Scrape Websites eg.**
  - Amazon Product Scraper
  - Google Search Results Count Scraper

**DataKund handles all Selenium scripting underneath**  
**Access all the Bots/APIs from within your code with a single function call**

### 3.1 Selenium vs DataKund

Following are some of the other differences between Selenium and DataKund:-

### **3.1.1 Open Link**

### **3.1.2 Click**

### **3.1.3 Type or Send keys**

### **3.1.4 New tab**

### **3.1.5 Switch tab**

### **3.1.6 Re-Captchas**

### **3.1.7 Looping**

### **3.1.8 Variables**

### **3.1.9 Google Sheets**

### **3.1.10 Iframe**

### **3.1.11 Flow Chart**

### **3.1.12 Multiple Language Support**

## **3.2 BeautifulSoup vs DataKund**

Following are some of the other differences between BeautifulSoup and DataKund:-

### **3.2.1 Scrape Text**

### **3.2.2 Scrape Link**

### **3.2.3 Looping**

### **3.2.4 Google Sheets**

### **3.2.5 Flow Chart**

## **3.3 Installation/Usage**

### **3.3.1 Installation**

Pip

```
pip install bot-studio
```

## Npm

```
npm install datakund
```

## Standalone Executable

- [Download for Windows](#)

## 3.3.2 Usage

- Starting DataKund will require login to [DataKund](#)
- After login, drivers will be installed & browser window will open up

## Python

```
from bot_studio import *
datakund=bot_studio.new()
```

## Browser Options

| Option          | Default Value               | Description                                                                    |
|-----------------|-----------------------------|--------------------------------------------------------------------------------|
| headless        | False                       | Can set it to True if wants headless                                           |
| proxy           | No proxy                    | Pass proxy value e.g 98.0.2.5:4000                                             |
| profile_path    | creates temporary profile   | Pass profile path e.g C:\Users\username\AppData\Local\Google\Chrome\User Data\ |
| user_agent      | No user agent               | Pass user agent e.g python 2.7", "platform": "Windows                          |
| download_folder | Downloads in default folder | If want to set download directory to custom e.g E:\files\                      |

## NodeJs

```
var datakund=require("datakund");
```

## Curl/HTTP

DataKund listens on port 5350

## **3.4 Learn DataKund**

### **3.4.1 Basic**

Following are the actions you can do through DataKund:-

#### **Open Link**

- To open a link, make a new API.
- Click on Record and open the link.
- Go back to Run, and run API

#### **Click**

- To click on a page, make a new API.
- Click on Record and navigate to page where you want to click.
- Click there, you can see click action recorded in charts
- Go back to Run , and run API

#### **New Tab**

- Make a new API.
- Click on Record and open new tab.
- Go back to Run , and run API

#### **Scrape Text**

- Make a new API.
- Click on Record and open Variables Section.
- Create columns e.g product\_title,product\_price
- Go back to Record
- Right Click on product's or whatever text you want to scrape from webpage,
- After Right click, click on DataKund>Scrape>Text>column name(product\_title)
- Here you go, and run API
- It will give you text scraped in response

### 3.4.2 Applications

Here are few tutorials of some applications you can create through DataKund:-

- How to post in Instagram automatically
- How to send connection requests to all profiles in search results in all pages
- How to Scrape result count for all the keywords given?
- How to Upload Video on YouTube?
- How to create Amazon Product Result Page Scraper Bot
- How to create a bot for scrape top reviews of amazon product
- How to like any post in Instagram?
- How to follow someone in Instagram automatically?
- How to post in Instagram automatically

## 3.5 Pre-Built APIS by DataKund

DataKund provides some of pre built APIS which are used mostly. These are public APIS, you can use these if don't want to make your own.

### 3.5.1 Youtube APIs

Following are some of Youtube APIs:-

- Login
- Login Cookie
- Auto Like
- Auto Comment
- Auto Subscribe
- Like Comment
- Watch Video
- Upload
- Upload To Playlist
- Search
- Search Results
- Get Video Info
- Get Channel Info
- Get Transcript
- Get Playlist Videos
- Get Video Tags
- Get Watch History

- Channel Videos
- Watch Later Videos
- Check Video Exists
- Create Playlist
- Delete Video From Watch Later
- Find Click Video
- Play Pause Video
- Play Next Video
- Forward Video
- Set PlayBack Speed
- Replay Video
- Skip Ad
- Video Comments
- Get Comment Resplies
- Click Hide Replies
- Click Show More Replies
- Click View Replies

### **3.5.2 Amazon APIs**

Following are some of Amazon APIs:-

- Login
- Logout
- Search
- Select Brand
- Select Category
- Get Reviews
- Add to Cart
- Search Results
- Click Next
- Buy
- Select Payment Method
- Select Bank
- Place Order
- Fill Cvv
- Click Next Reviews
- Product Info

- Login Cookie

### 3.5.3 Twitter APIs

Following are some of Twitter APIs:-

- Login
- Follow
- Unfollow
- Get User
- Like
- Post
- Post Image
- Retweet
- Trending
- Get Followers
- Get Tweets
- Get Retweets
- Get Tweet Links
- Save Image Links
- Login Cookies

### 3.5.4 LinkedIn APIs

Following are some of LinkedIn APIs:-

- Login
- Search
- Get Job Profile
- Search People
- Search Jobs
- Search Posts
- Enter Job Location
- Send Message
- Follow Company
- Unfollow Company
- Send Connection
- Get Profile
- Get Company Profile
- Click Next

- People Results
- Jobs Results
- Posts Results
- Open Connections
- Comment On Post
- Get Messages
- Send Message By Name
- Upload Content
- Search Companies
- Get Feed
- Companies Results
- Search Groups
- Groups Results
- Join Group
- Get Post
- Get Comments
- Click Load More
- Posts Links
- Login Cookie
- Accept Invitation

### **3.5.5 Google APIs**

Following are some of Google APIs:-

- Search
- Search Images
- Click Next
- Search Results
- Search Image Results

### **3.5.6 Scraper APIs**

- Yellow Pages Business Details Scraper Bot.
- Instagram profile Scraper Bot.
- LinkedIn Search Results Scraper Bot.
- Google Trends Scraper Bot.
- Reddit Post Scraper.
- Square Yards Properties Scraper With No Input.

- 9/11 Victim List Scraper.
- Coin Market Cap Scraper.
- All movie scraper.
- Amazon Product Price Scraper Bot.
- Bing Search Scraper.
- Coindesk Price Scraper with Commodity Link.
- Down Detector Scraper.
- Epoch Timestamp Converter Scraper.
- Facebook Friend List Scraper Bot.
- Gaana Scraper.
- Google Scholar Scraper.
- Google Search Result Scraper.
- IMDb Top 250 Movies Scraper.
- Goodreads by Keyword Scraper.
- Investing.com World Indices Scraper.
- Trading View Market Indices Scraper.
- Trip Advisor Reviews Scraper.
- Wikipedia Current Events.
- Wikipedia GDP per Capita Scraper.
- Wordpress Blog Post Scraper.
- Worldometer COVID Stats Scraper.
- Yahoo Finance Historical Data Scraper.
- Yahoo finance Scraper.
- Yahoo Ticker Symbol Scraper.
- Yelp Review Scraper.
- Youtube Data Scrape.
- Youtube Playlist Scraper.

### 3.5.7 Basic APIS

You can use basic apis which selenium provides with this tool like opening a url, get pagesource, get current url etc. These are the functions:-

## Open

It will open the url provided in the parameters.

Python

NodeJS

Curl

```
dk_object.open(url)
```

```
datakund.open(url)
```

```
curl -X POST http://127.0.0.1:5000/open -H 'cache-control: no-cache' -H 'content-type:↵
↵application/json' -d '{"url":"https://www.google.com"}'
```

## Get Page Title

It returns the title of page opened.

Python

NodeJS

Curl

Response Data

```
response=dk_object.get_page_title()
```

```
response=datakund.get_page_title()
```

```
curl -X POST http://127.0.0.1:5000/get_page_title -H 'cache-control: no-cache' -H
↵'content-type: application/json' -d '{}'
```

```
{
  "pagetitle": "amazon"
}
```

## Get Page Source

It returns the pagesource of page opened.

Python

NodeJS

Curl

Response Data

```
response=dk_object.get_page_source()
```

```
response=datakund.get_page_source()
```

```
curl -X POST http://127.0.0.1:5000/get_page_source -H 'cache-control: no-cache' -H
↪ 'content-type: application/json' -d '{}'
```

```
{
  "pagesource": "<html><body>...."
}
```

## Get Current Url

It returns the url of page opened.

Python

NodeJS

Curl

Response Data

```
response=dk_object.get_current_url()
```

```
response=datakund.get_current_url()
```

```
curl -X POST http://127.0.0.1:5000/get_current_url -H 'cache-control: no-cache' -H
↪ 'content-type: application/json' -d '{}'
```

```
{
  "url": "https://www.amazon.com"
}
```

## Reload

It reloads the page opened.

Python

NodeJS

Curl

```
dk_object.reload()
```

```
datakund.reload()
```

```
curl -X POST http://127.0.0.1:5000/reload -H 'cache-control: no-cache' -H 'content-type:
↪ application/json' -d '{}'
```

## Keypress

It perform the keypress passed.

Python

NodeJS

Curl

```
dk_object.keypress("shoes")
```

```
datakund.keypress("shoes")
```

```
curl -X POST http://127.0.0.1:5000/keypress -H 'cache-control: no-cache' -H 'content-type: application/json' -d '{"key":"shoes"}'
```

## Scroll

It scrolls to the end of page.

Python

NodeJS

Curl

```
dk_object.scroll()
```

```
datakund.scroll()
```

```
curl -X POST http://127.0.0.1:5000/scroll -H 'cache-control: no-cache' -H 'content-type: application/json' -d '{}'
```

## End

It ends the session and close the automated chromedriver.

---

**Note:** You will need to create dk object again after end().

---

Python

NodeJS

Curl

```
dk_object.end()
```

```
datakund.end()
```

```
curl -X POST http://127.0.0.1:5000/end -H 'cache-control: no-cache' -H 'content-type: application/json' -d '{}'
```

## Quit

It quits the datakund application running in background.

---

**Note:** You will need to import datakund library again to start datakund application.

---

Python

NodeJS

Curl

```
dk_object.quit()
```

```
datakund.quit()
```

```
curl -X POST http://127.0.0.1:5000/quit -H 'cache-control: no-cache' -H 'content-type:↵
↵application/json' -d '{}'
```

## 3.6 Contact Us

- [Telegram](#)
- [Website](#)



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`