Twitter API Tutorial

Hi this is how to access and hydrate tweets

1. Apply for developer account.
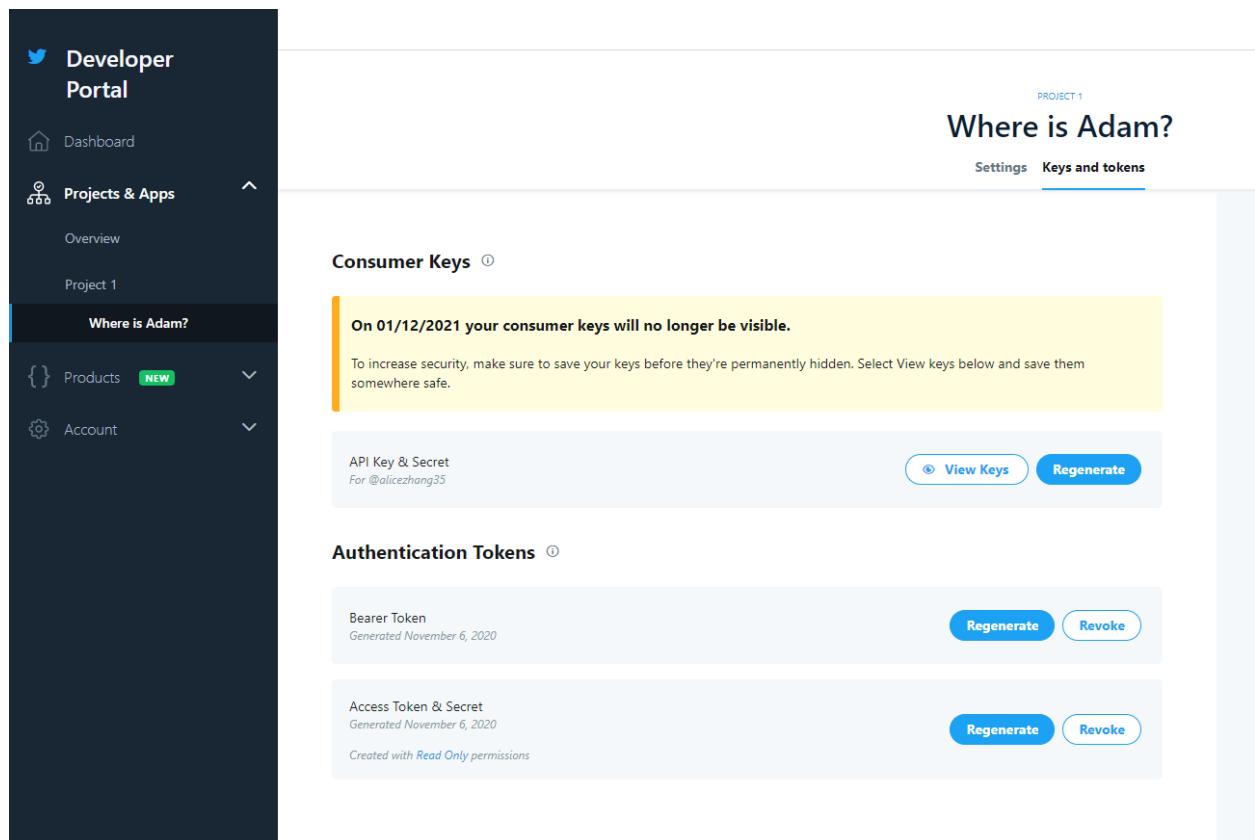
> ### Apply for access - Twitter Developers
> Apply for access. Get started with Twitter APIs and tools. All new developers must apply for a developer account to access Twitter APIs. Once approved, you can begin to use
>
> 🐦 https://developer.twitter.com/en/apply-for-access

2. You might have to generate the access and token and secret here, you'll need them to access the API.

3. You can skip this step. If you can follow this tutorial to access tweets from the past 7 days. Note that this is only valid for the older version, and Twitter is in the process of replacing their API. Right now I don't know if this will be useful for our goals at all.

Automate Getting Twitter Data in Python Using Tweepy and API Access

After completing this tutorial, you will be able to: Connect to the twitter RESTful API to access twitter data with Python. Generate custom queries that download tweet data into Python using Tweepy. Access tweet metadata including users in Python

🌐 https://www.earthdatascience.org/courses/use-data-open-source-python/intro-to-apis/twitter-data-in-python/

4. You can download the hydrator application here. It's what turns the csv of tweet IDs into a dataset of information we can use.

Releases · DocNow/hydrator

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⚫ https://github.com/DocNow/hydrator/releases

5. The datasets I'm interested in can be found here. I'm not sure how many we can pull realistically but I hydrated the 59th file (May 16-17) and it took a bit under 24 hours. If you look at the csv files they contain 2 columns, one with tweet IDs and one with a sentiment score.

Coronavirus (COVID-19) Tweets Dataset

This dataset includes CSV files that contain IDs and sentiment scores of the tweets related to the COVID-19 pandemic. The tweets have been collected by an on-going project deployed at https://live.rlamsal.com.np. The model monitors the real-time Twitter feed for coronavirus-related tweets

▣ https://ieee-dataport.org/open-access/coronavirus-covid-19-tweets-dataset

6. Once you've downloaded the file you can follow these instructions to format the file so hydrator can process it.

Getting the CSV files of this dataset ready for hydrating the tweet IDs:

```
import pandas as pd
dataframe=pd.read_csv("corona_tweets_10.csv", header=None)
dataframe=dataframe[0]
dataframe.to_csv("ready_corona_tweets_10.csv", index=False, header=None)
```

The above example code takes in the original CSV file (i.e., corona_tweets_10.csv) from this dataset and exports just the tweet ID column to a new CSV file (i.e., ready_corona_tweets_10.csv).

7. Download hydrator here. You only need the "Hydrator-Setup-0.0.13.exe" file. Once it's downloaded you'll need to input your token/ key and then you can hydrate the file. It will take a while.

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https://github.com/DocNow/hydrator/releases