LinkCube User Manual

LinkCube has two different layers and the instruction to use them is given below

1. **Data Extraction Layer**
    a. **Twitter API Call Module:-** The command to run this module is:

    python twitter.py -u <username> -t <tweet_keyword>

    The two option that we need to provide in command line are user's twitter username and the keyword to extract tweet. After entering this information the system will ask for twitter password. Enter the password and the system will start to extract tweet. The result returned by Twitter is a JSON data file which is saved in JSON/Twitter folder.

    b. Facebook FQL Request Module:- The command to run this module is:

    python facebook.py -a <ACCESS_TOKEN> -q <QUERY>

    The first option is an access token for the Graph API. An access token is required to authenticate the user's Facebook profile. Each user must provide their Facebook access token to use this module. The second option is an FQL query where the user can enter a query based on the data they want back from the Facebook. All of the data received from Facebook is encoded as JSON and is saved in JSON/Facebook folder.

    c. **LinkedIn API Call Module:-** The command to run this module is:

    ***python linkedin.py -f <fields like "a,b,c">* 13**

    User need to provide the fields needed from the profile of a user's connection through the command line options. All of the data received from LinkedIn is also encoded as JSON and is saved in JSON/LinkedIn folder.

2. **Data Processing Layer**
    a. Twitter Parser:- The Twitter Parser takes the JSON file generated by the Twitter API module and converts it into the graph. The command to run this module is:

python twparser.py -s <SOURCE FILE> -g <GRAPH FILE>

The first option is the name of the JSON source file and the second option is the name of graph file we are trying to generate.

b. Facebook Parser:- The Facebook Parser takes the JSON file generated by the Facebook FQL Request module and converts it into a graph. The command to run this module is:

python fbparser.py -s <SOURCE FILE> -g <GRAPH FILE>

The first option is the name of the JSON source file and the second option is the name of graph file we are trying to generate

c. LinkedIn Parser:- The LinkedIn Parser takes the JSON file generated by the LinkedIn API module and converts into a graph. The command to run this module is:

python lkparser.py -s <SOURCE FILE> -g <GRAPH FILE>

The first option is the name of the JSON source file and the second option is the name of graph file we are trying to generate.