

Practice

Collecting Data from Twitter

Digital Business Ecosystem Research Center



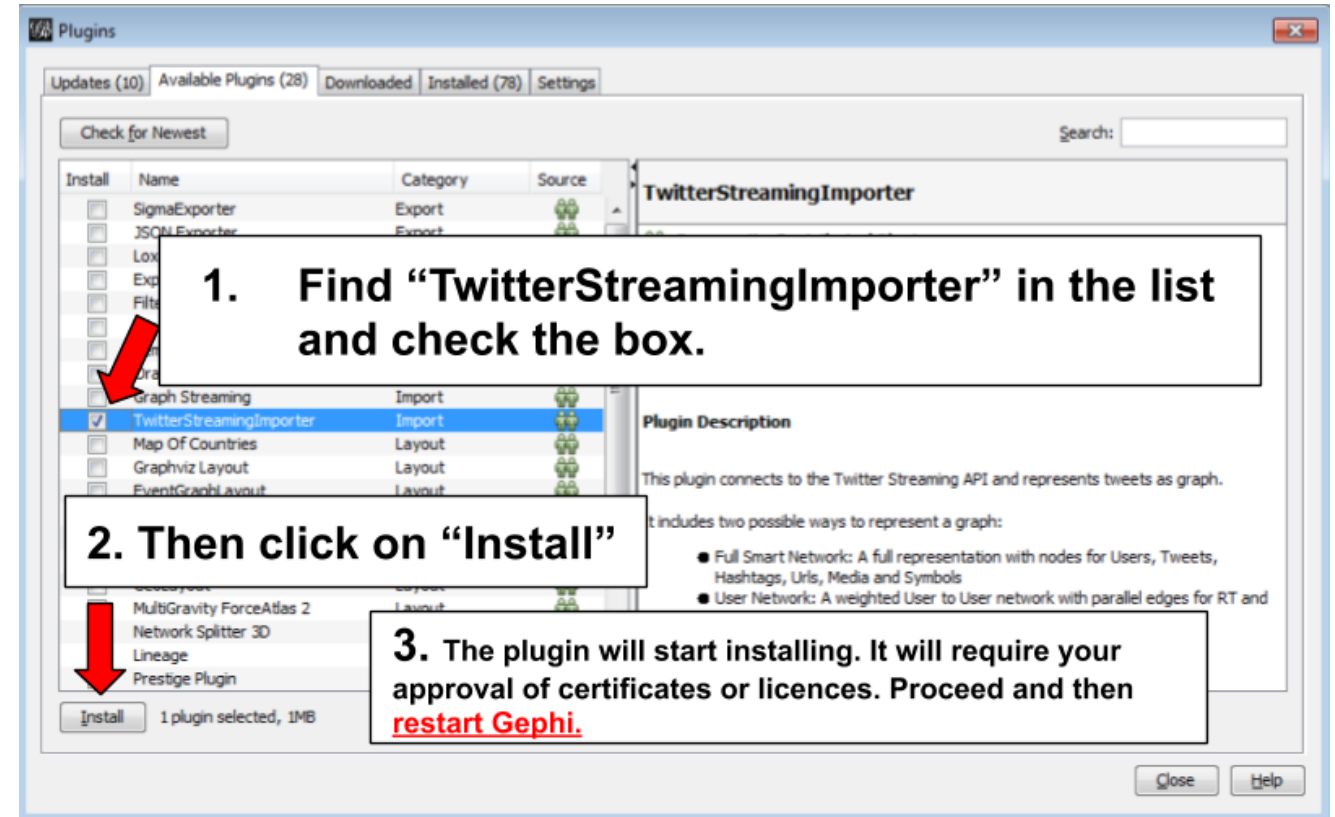
Twitter Streaming Importer

This plugin enables you to:

- Collect tweets in real-time, on the topic you choose
- Get the connections between the users mentioned in these tweets
- Visualize these connections in Gephi, or just export all the tweets to Excel

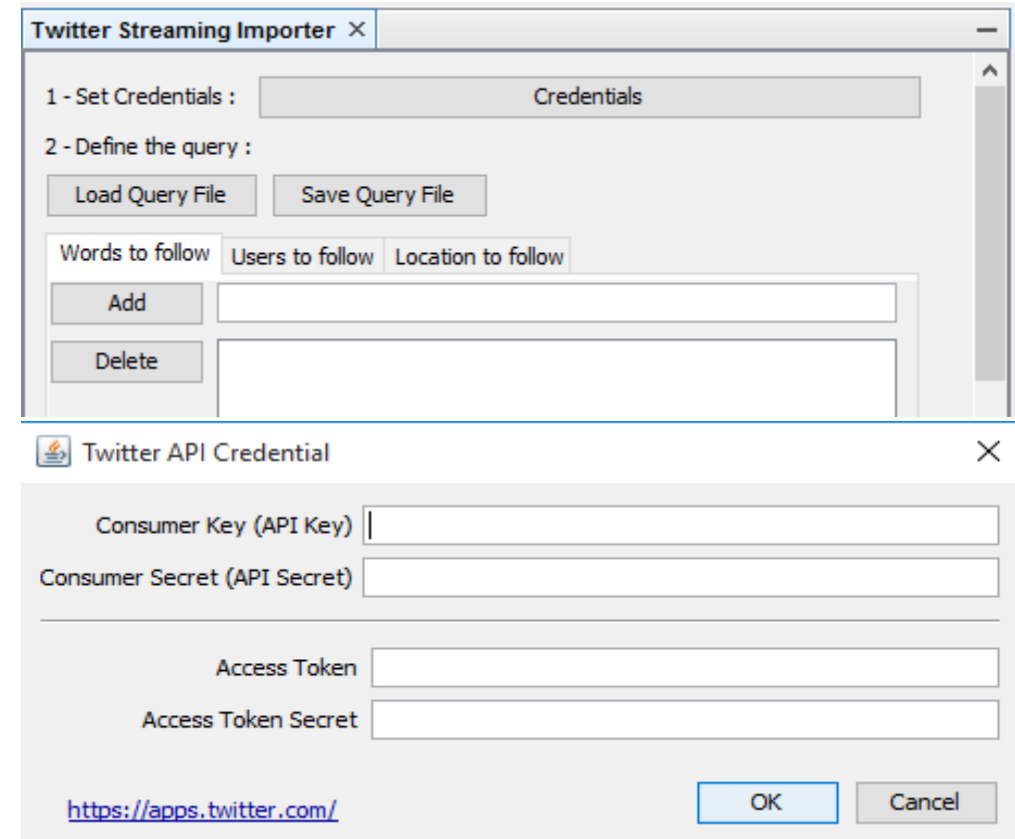
Install Plugin

- Choose the menu Tools then Plugins
- Click on the tab Available Plugins
- Install the plugin then restart Gephi



Using the Plugin (1)

- Copy paste the codes from Twitter into Gephi
- This setup had just to be done once.
- Your credentials are saved and will be loaded at each run.
- Now we can start using the plugin.



The image shows two overlapping windows from a software application. The top window is titled "Twitter Streaming Importer" and contains the following elements:

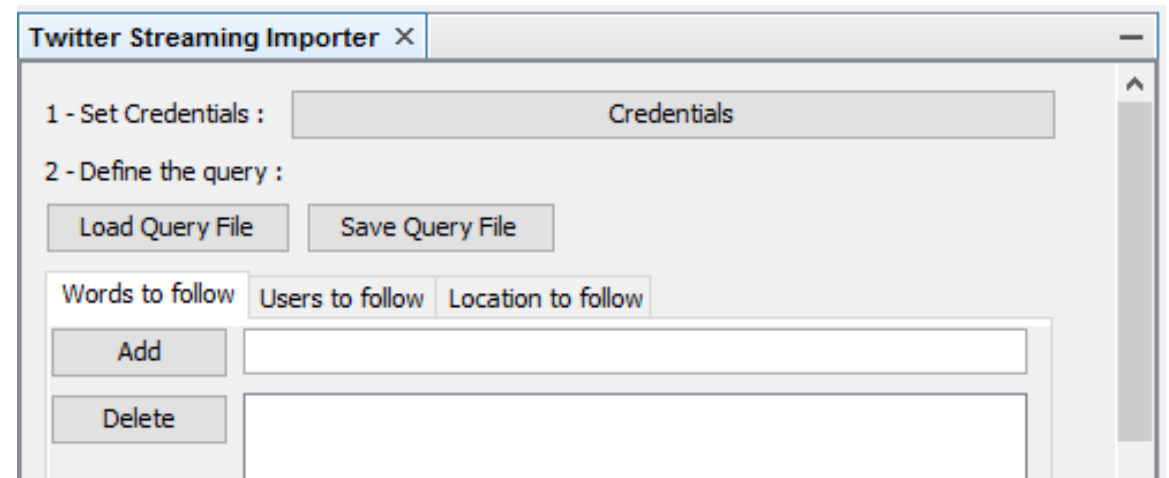
- A tab labeled "Credentials" with a close button (X).
- Section "1 - Set Credentials :" followed by a text input field.
- Section "2 - Define the query :" with two buttons: "Load Query File" and "Save Query File".
- Three tabs: "Words to follow", "Users to follow", and "Location to follow".
- Below the tabs are two lists. The first list has an "Add" button and an empty text input field. The second list has a "Delete" button and an empty text input field.

The bottom window is titled "Twitter API Credential" and contains the following elements:

- Four text input fields labeled: "Consumer Key (API Key)", "Consumer Secret (API Secret)", "Access Token", and "Access Token Secret".
- A URL field at the bottom left containing the text <https://apps.twitter.com/>.
- Two buttons at the bottom right: "OK" and "Cancel".

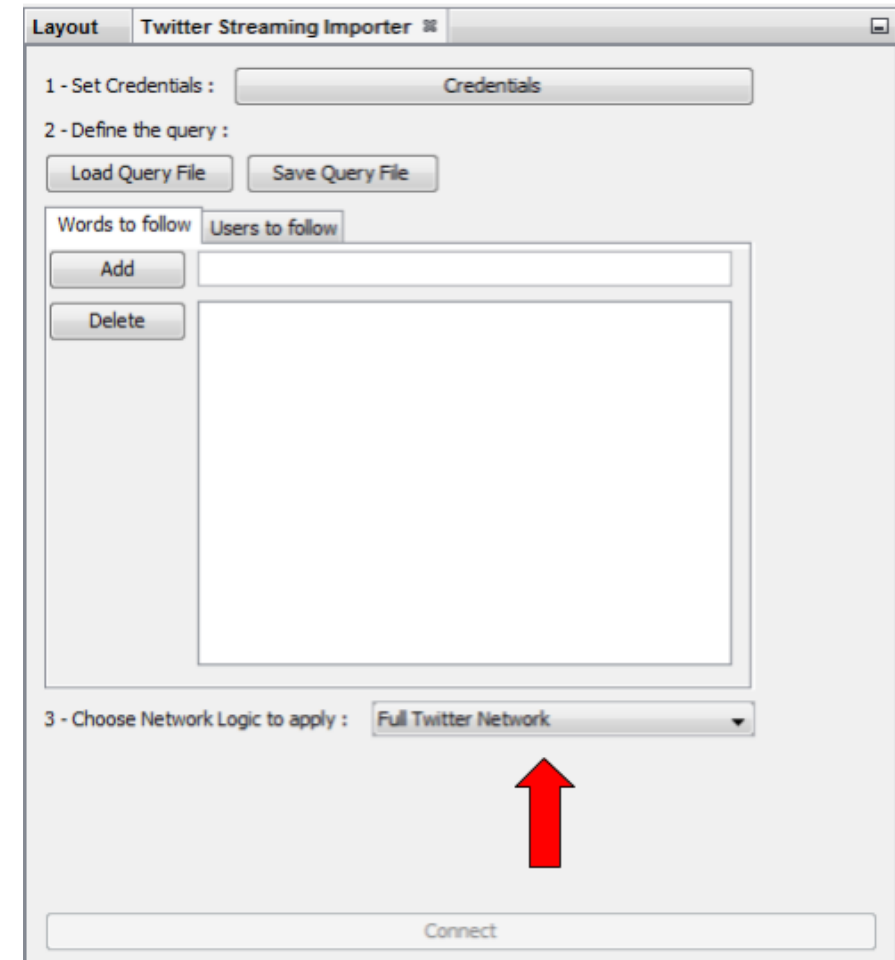
Using the Plugin (2)

- **Words to follow** – able to follow one or multiple words.
- **Users to follow** – able to follow the activity of one or multiple users.
- **Location to follow** – able to follow the activity of one or multiple locations.



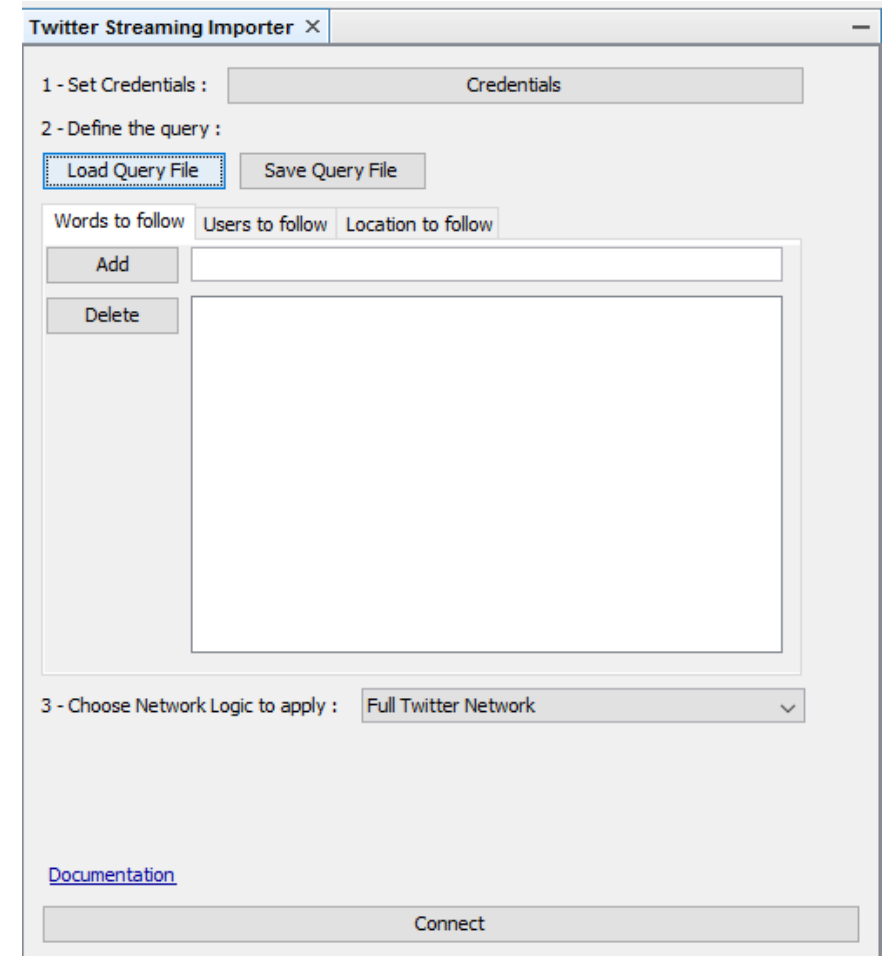
Using the Plugin (3)

- **Full Twitter Network:** This will represent all entities (User, Tweet, Hastags, URL, Media, Symbol etc) as a graph.
- **User Network:** This will represent the interaction between users. Any mentions, retweets or quotes between 2 users, will be represented. The size of the edge represent the number of interactions between 2 users.
- **Hashtag Network:** This will create the network of Hashtags.
- **Emoji Network:** Same as Hashtag Network but focused on Emoji characters
- **Bernardamus Projection:** This network represents user network via hashtag present in tweets.



Using the Plugin (4)

- Write the term you want to follow
- Click on “Add”
- Select “User Network”
- Click on “Connect”
- Click on “Disconnect” to stop the collection of tweets



The screenshot shows the 'Twitter Streaming Importer' window. It has a title bar with a close button. The interface is divided into three main sections:

- 1 - Set Credentials :** A text input field labeled 'Credentials'.
- 2 - Define the query :** This section contains two buttons: 'Load Query File' (highlighted with a blue dashed border) and 'Save Query File'. Below these are three tabs: 'Words to follow' (active), 'Users to follow', and 'Location to follow'. Under the 'Words to follow' tab, there is an 'Add' button next to a text input field, and a 'Delete' button next to a large empty list area.
- 3 - Choose Network Logic to apply :** A dropdown menu currently showing 'Full Twitter Network'.

At the bottom left, there is a link for 'Documentation'. At the bottom right, there is a large 'Connect' button.



THANK YOU