

Practice

Collecting Data from Twitter

Digital Business Ecosystem Research Center



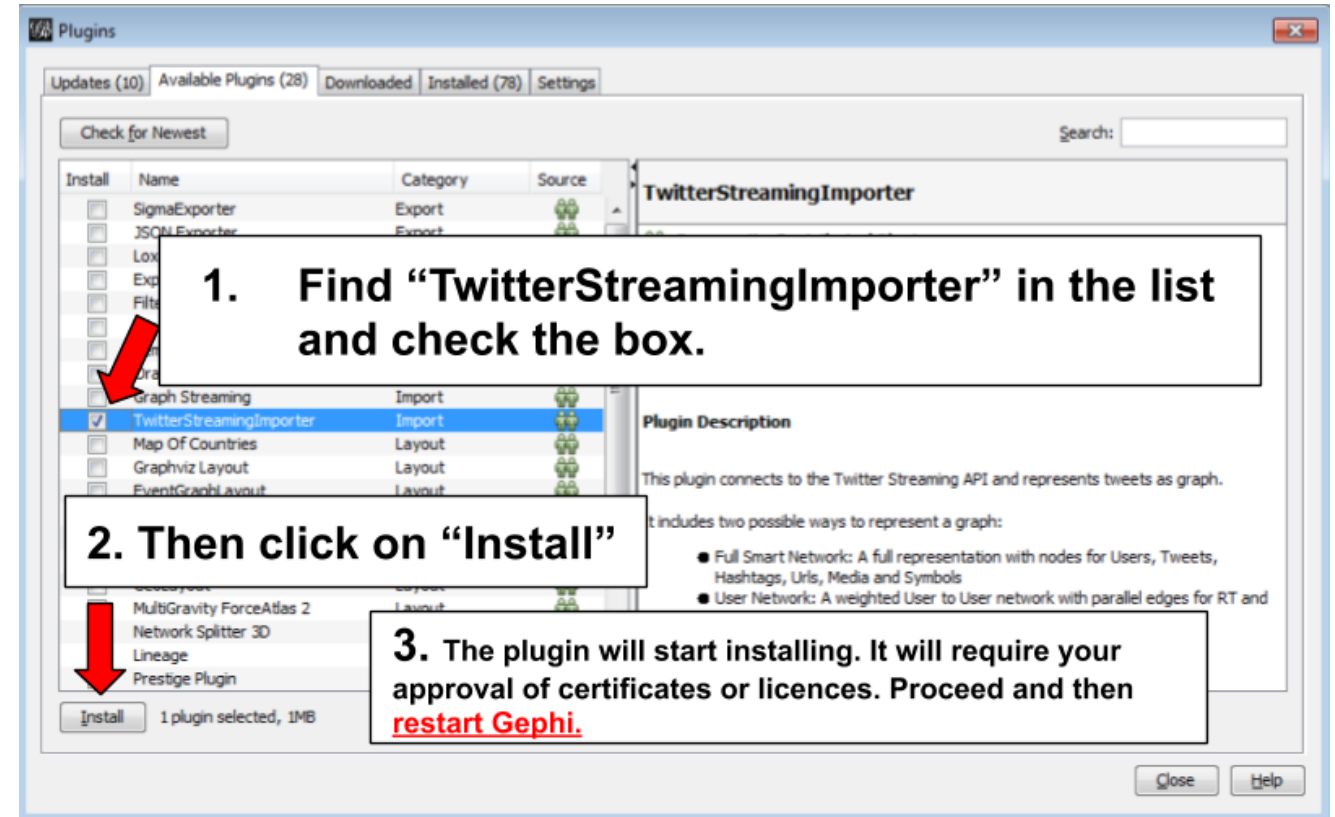
Twitter Streaming Importer

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

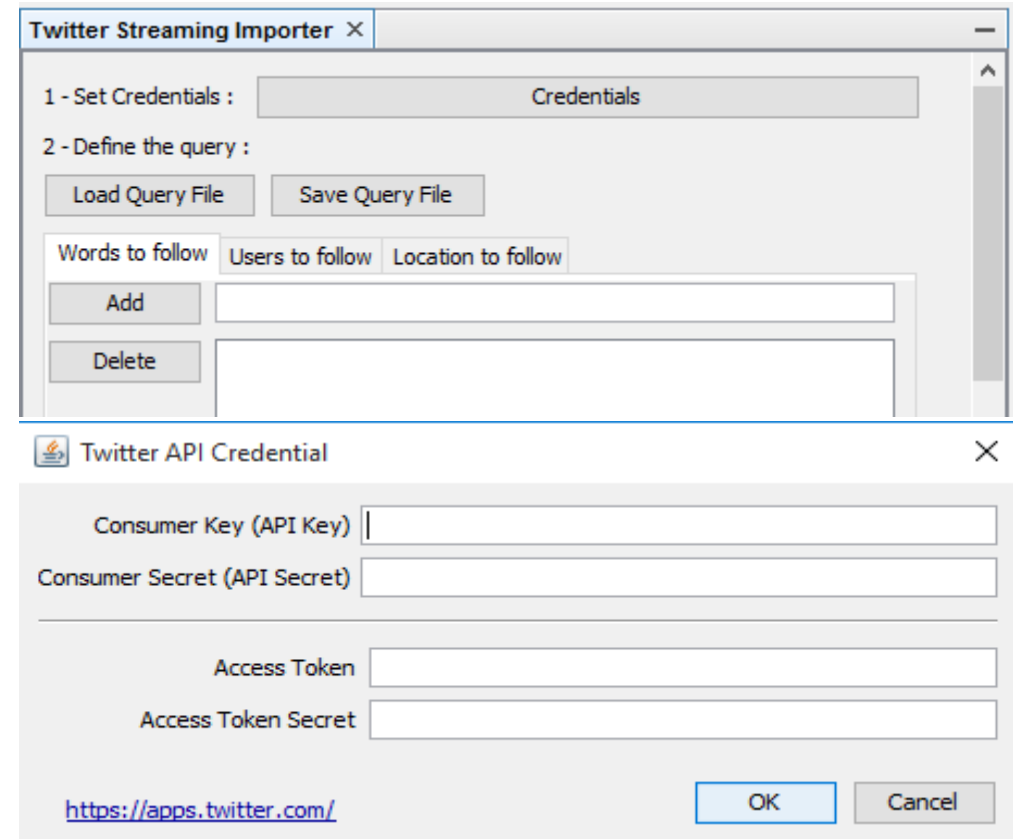
Install Plugin

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



Using the Plugin (1)

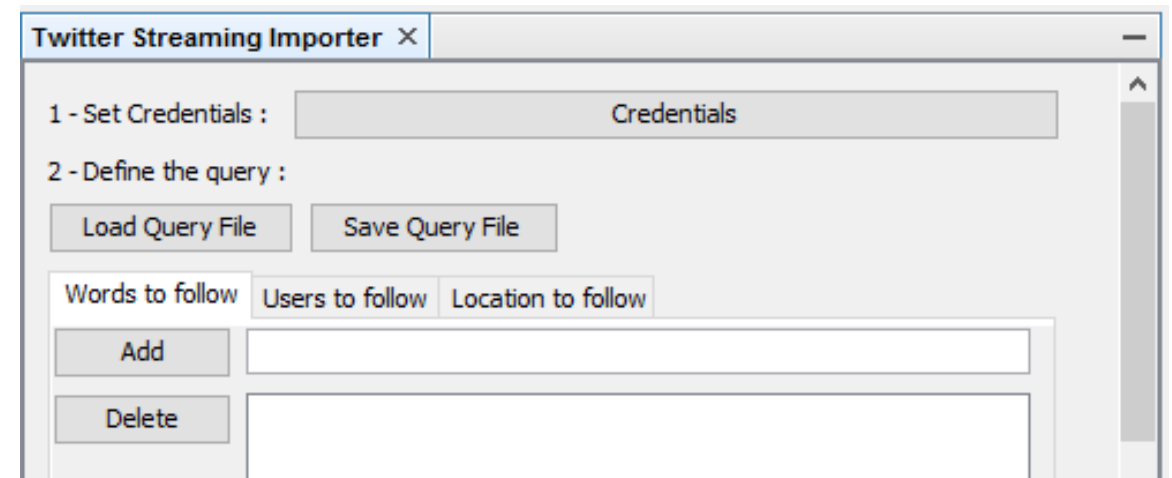
- Copy paste the codes from Twitter into Gephi
- This setup had just to be done once.
- Your credentials are saved and will be loaded at each run.
- Now we can start using the plugin.



The image shows two overlapping windows from a software application. The top window, titled "Twitter Streaming Importer", has a tab labeled "Credentials". It contains two main sections: "1 - Set Credentials :" with a text field labeled "Credentials", and "2 - Define the query :" which includes "Load Query File" and "Save Query File" buttons. Below these are three tabs: "Words to follow", "Users to follow", and "Location to follow". The "Words to follow" tab is active, showing an "Add" button and a text input field, and a "Delete" button below it. The bottom window, titled "Twitter API Credential", contains four text input fields: "Consumer Key (API Key)", "Consumer Secret (API Secret)", "Access Token", and "Access Token Secret". At the bottom left is a URL <https://apps.twitter.com/>, and at the bottom right are "OK" and "Cancel" buttons.

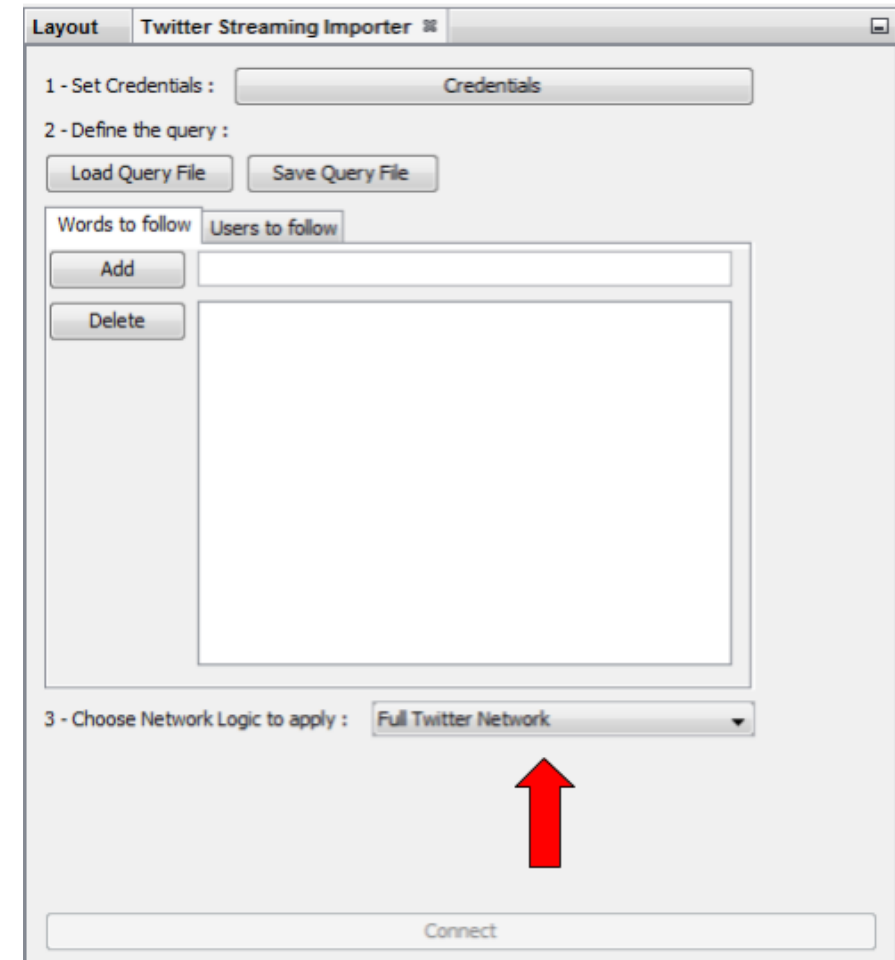
Using the Plugin (2)

- **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.



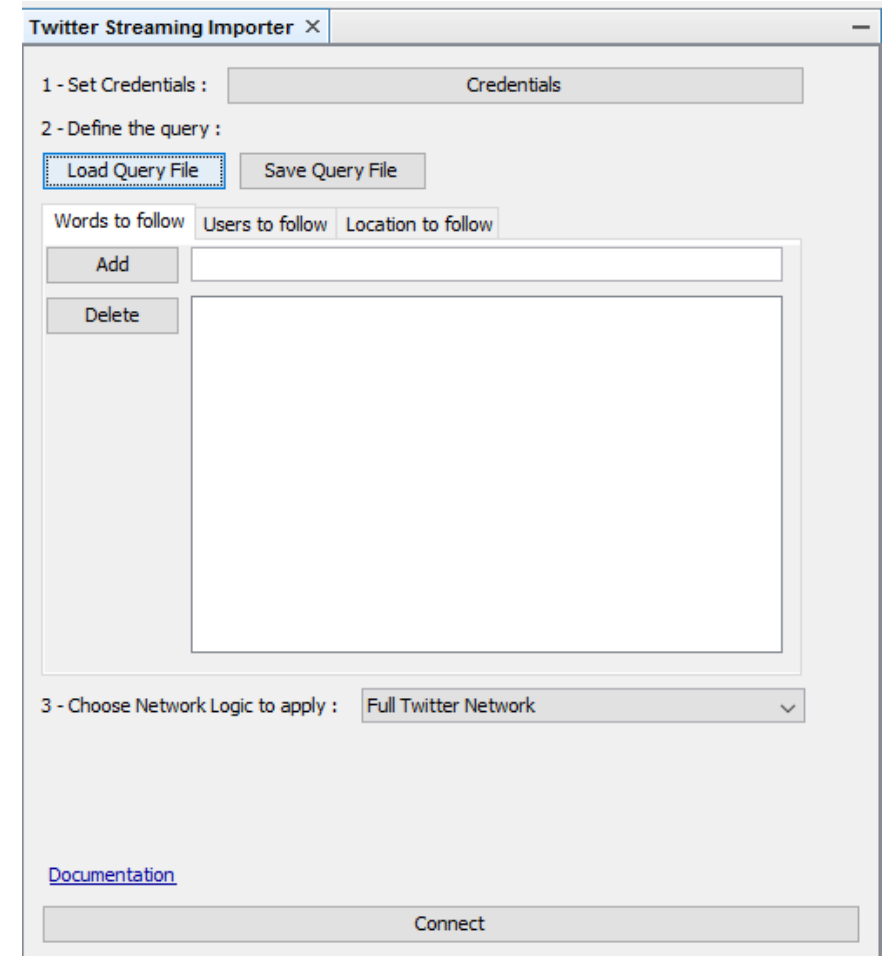
Using the Plugin (3)

- **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 with the following components:

- 1 - Set Credentials :** A text field labeled 'Credentials'.
- 2 - Define the query :**
 - A 'Load Query File' button (highlighted with a red dashed border) and a 'Save Query File' button.
 - Three tabs: 'Words to follow' (active), 'Users to follow', and 'Location to follow'.
 - Under 'Words to follow': An 'Add' button and a text input field.
 - A 'Delete' button and a large empty list area.
- 3 - Choose Network Logic to apply :** A dropdown menu showing 'Full Twitter Network'.
- A 'Documentation' link at the bottom left.
- A 'Connect' button at the bottom right.



THANK YOU