

# DOPE-Blackfynn

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## 1 About

This document contains instructions for using the `dope-blackfynn-gui` program. With this program, you will be able to accomplish the following tasks:

1. Setup your Blackfynn account on your computer (necessary to access your Blackfynn account without going through the Webpage)
2. Upload dataset with folder structure conserved (i.e., organization of your dataset into folders and subfolders is conserved on Blackfynn after uploading)

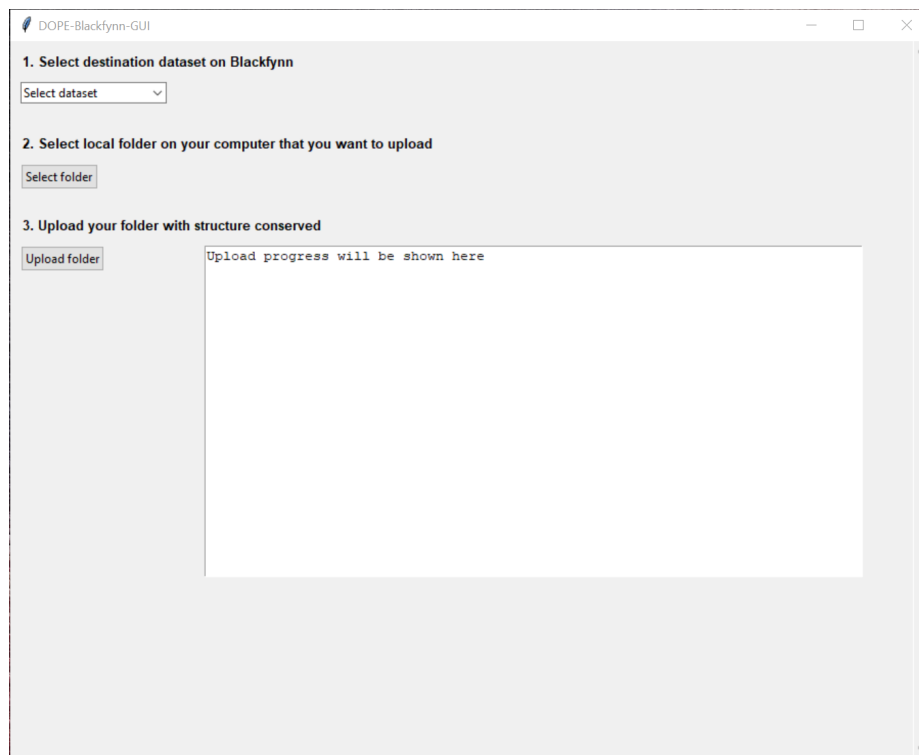
These tasks could be accomplished without having to type any code or install any software. Simply follow the instructions provided below.

## 2 Installation

Download the "dope-blackfynn-gui" folder from the dedicated Github repository:

<https://github.com/bvhpatel/dope-blackfynn-gui>

Click "Clone or download" and select "Download ZIP".



Unzip the file anywhere on your computer. The unzipped folder "dope-blackfynn-gui" should contain two subfolders: ".blackfynn" and "program". No other programs or installations are needed since everything that is required (Python, Blackfynn API, etc.) is included in these folders (that is why they are 1GB total). The program runs only on Windows platform (tested successfully on Windows 10 64bits and Windows 7 computers).

### 3 Setup your Blackfynn account

Setting up your Blackfynn account on your computer typically requires to install Python, then install the Blackfynn Python API, and finally configure your Blackfynn profile through the command line. This approach is described in detail here:

Alternatively, you could proceed as follows:

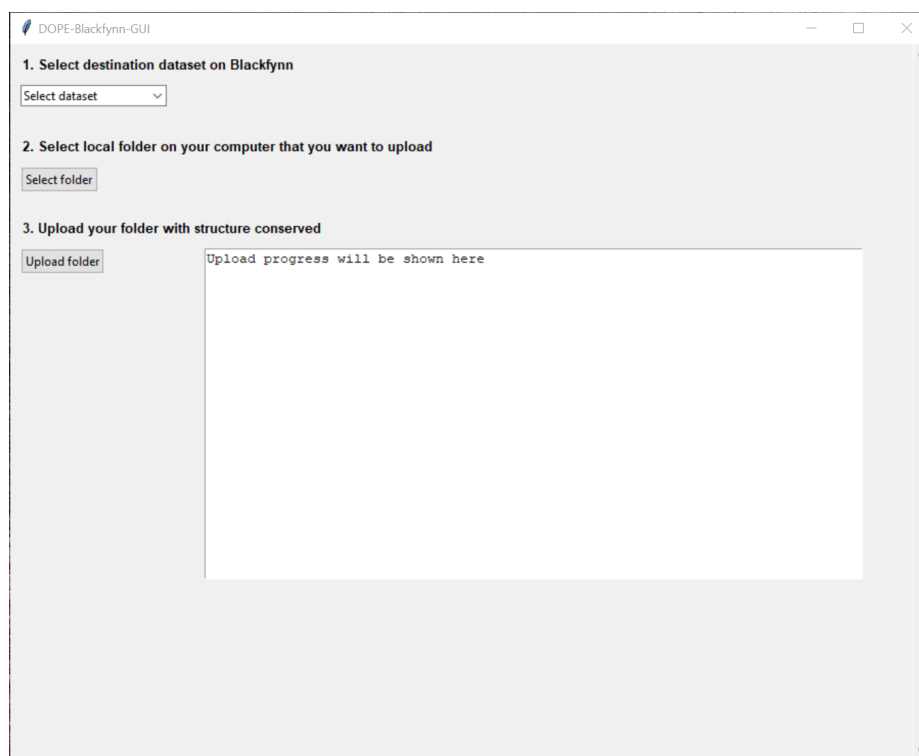
1. Go to the folder ".blackfynn" contained in "DOPE-Blackfynn"
2. Open the "config.ini" file with any text editor (e.g., Notepad or MS Word)
3. Follow the instructions provided here to generate your Blackfynn API Token and API secret:  
<http://help.blackfynn.com/developers/configuration/creating-an-api-key-for-the-blackfynn-clients>
4. Copy/Paste the API Token and API secret on the corresponding lines in the "config.ini" file you have opened
5. Save and close the "config.ini" file

6. Copy the whole ".blackfynn" folder, and paste it under "C:\User \MyUser" where "MyUser" is specific to your computer username (for instance, it is "Bhavesh" in the illustration below).
7. You are now done.

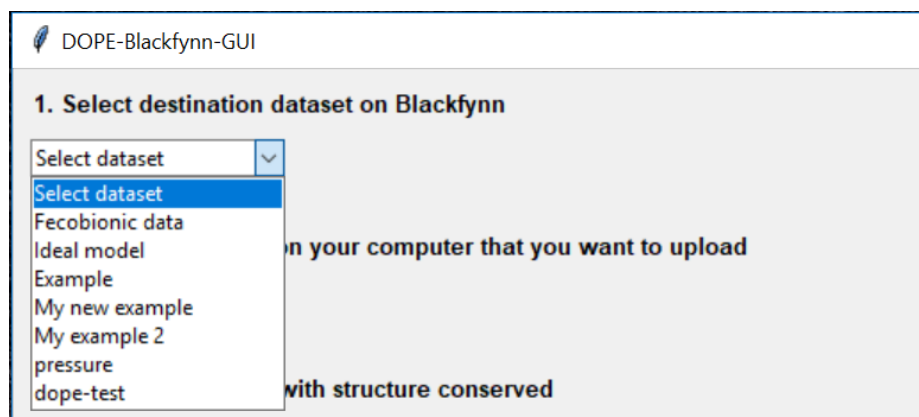
## 4 Upload dataset to Blackfynn

The Web interface of Blackfynn is currently unable to conserve folder structure when uploading your dataset. The DOPE-Blackfynn program addresses this issue:

1. Go to the folder "program" and double click on the executable file "dope-bf-gui.exe" (you may have to do right click and "run as administrator").
2. Wait for the user interface of the program to open. The interface should look as shown below.



3. The dropdown list contains the names of the datasets you currently have on your Blackfynn account. Select the one where you want to upload your new dataset. If you want to upload under a new dataset name, create it first from the BBlackfynn webpage and restart the app.



4. Click on "Select folder" and select the folder containing the files you want to upload.
5. Click on the "Upload" button to start uploading. An indicator below the "Upload" button indicates "Uploading...". The dialog box provides a live summary of the progress.
6. When the indicator below the "Upload" button indicates "Done!", the upload is completed. You can repeat the process with another dataset if desired.

Notes:

- If you want to stop uploading, simply close the program. Any files uploaded up to that point will be visible on your Blackfynn account.