InforION

Release 2.1

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The QuickdataLoad Tool is a Python3 app and its purpose is to efficiently execute the Data Loading, from external systems to the _M3 Cloud platform.

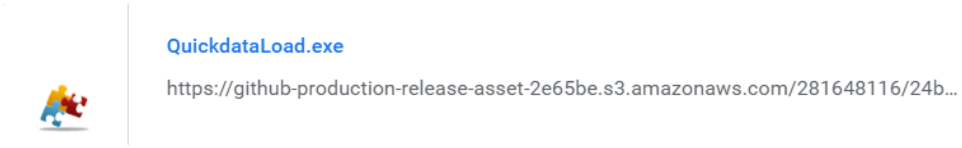
CHAPTER 1

Introduction

QuickdataLoad

The **QuickdataLoad Tool** is a Python3 app and its purpose is to efficiently execute the Data Loading, from external systems to the _M3 Cloud platform. It all happens via **Infor ION** (Intelligent Open Network), which simplifies software integration and easily integrates entreprise systems.

This software installation will simply provide an intuitive Data Loading Workspace, where the **Extract, Transfer and Load (ETL)** can be performed. In order to get started with the **QuickdataLoad Tool**, just install it.



CHAPTER 2

Installation

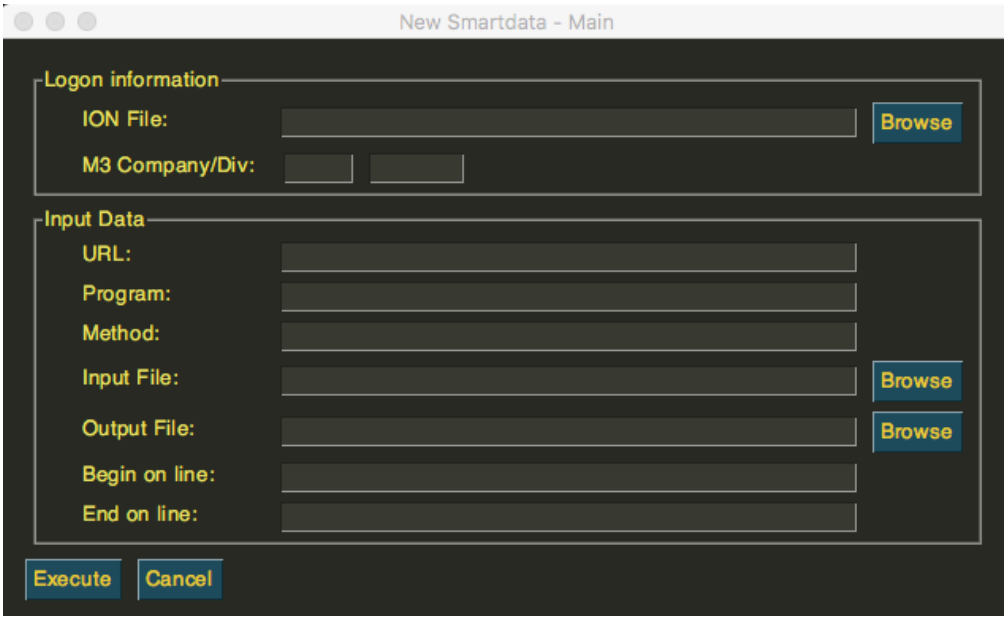
2.1 How to install for MacOS

When talking about a MacOS environment, the right and only way of installing the **QuickdataLoad App** is by downloading the **zip folder**. Here is the link for the download: QuickdataLoadApp.

After downloading it, you need to open your terminal (MacOS) to follow these simple instruptions for *unzipping the folder*. That is the easiest way to get to open the App. One step at a time, you should:

```
cd Downloads/
unzip QuickdataLoad.zip
cd dist/QuickdataLoad.app/Contents/MacOS
./QuickdataLoad
```

If you followed the steps correctly, you should get an output to wait while downloading. In a few moments the QuickdataLoad App window should appear to get things started.



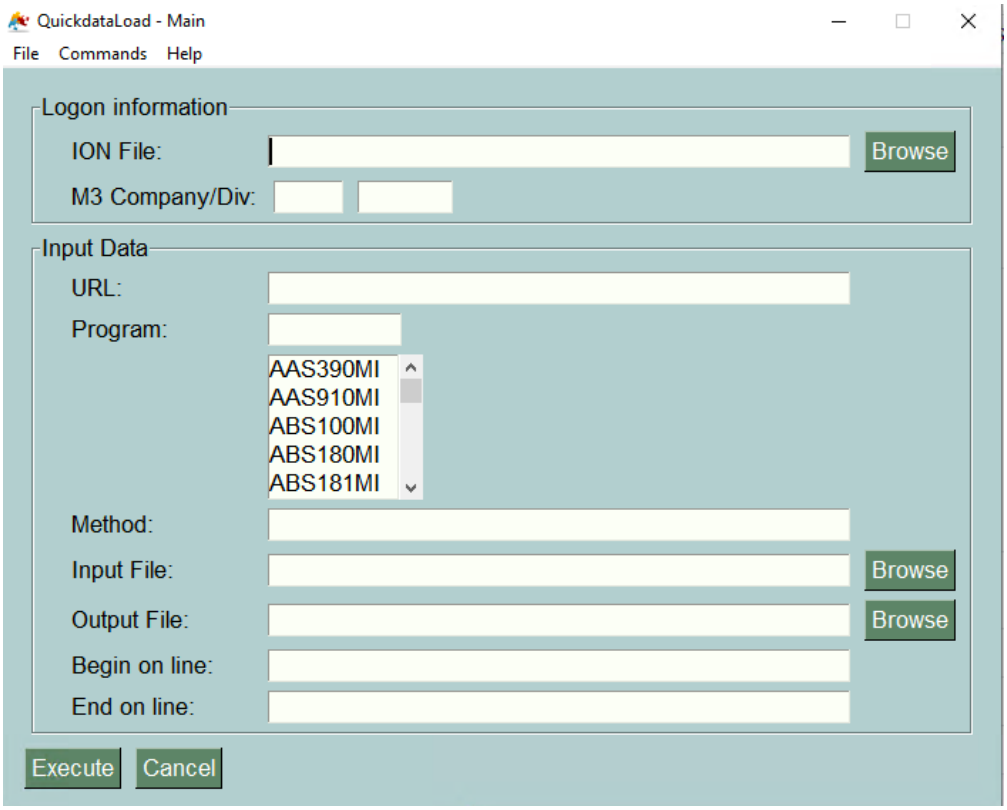
2.2 How to install for Windows

Now, for Windows environments it is much easier. Here is the link for the download: QuickdataLoadApp.

After downloading it, it is important to allow the download to proceed with the **QuickdataLoad.exe**. That means that keep the *download*. Then, the following window should pop up.

In order to get the app running, just click on *More info* and you will get the option of **Run anyway**.

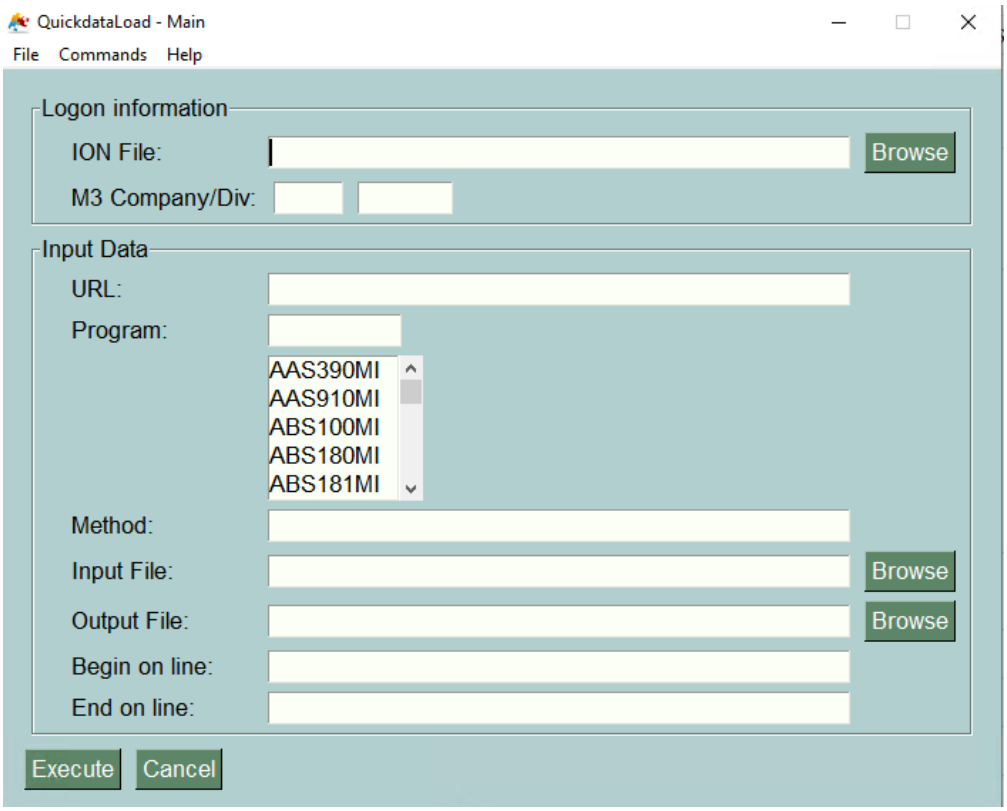
Finally, the **QuickdataLoad App** starts running and the principal window pops up to get work done.


QuickdataLoad - Main
File Commands Help
Logon information
ION File:
Browse
M3 Company/Div:
Input Data
URL:
Program:
AAS390MI
AAS910MI
ABS100MI
ABS180MI
ABS181MI
Method:
Input File:
Browse
Output File:
Browse
Begin on line:
End on line:
Execute
Cancel

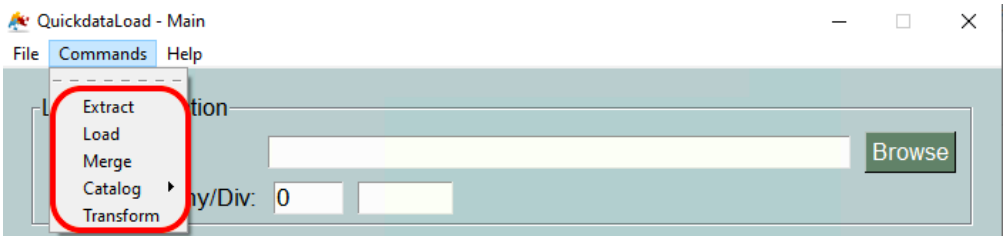
CHAPTER 3

Commands

After installing the **QuickdataLoad App** a new window will appear, as shown below. The main purpose is to be able to execute commands according to the desired Logon information and Input Data.



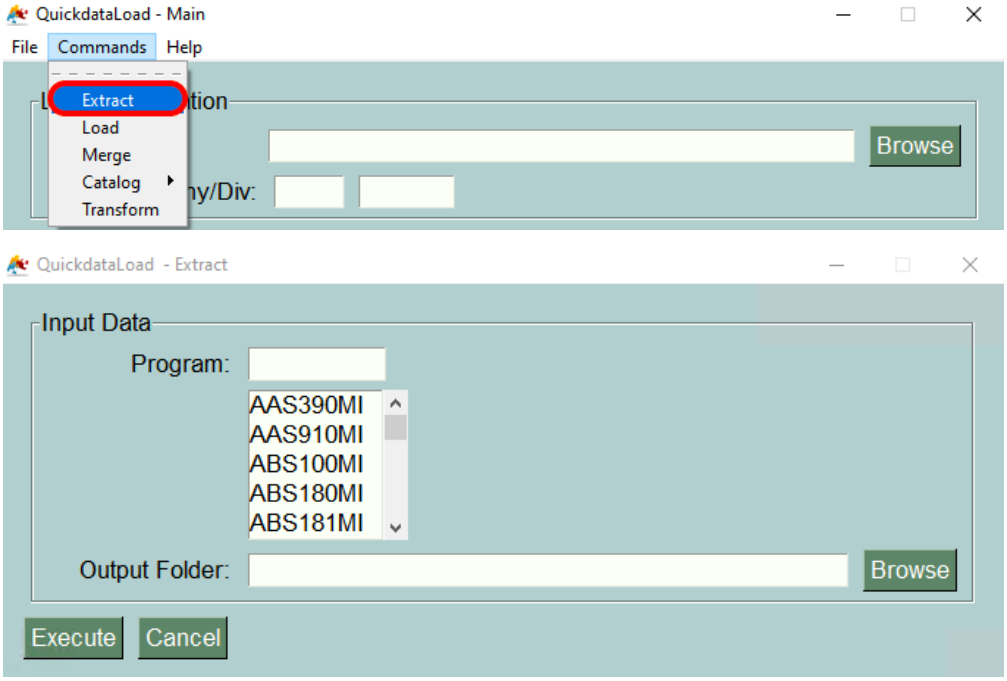
Nevertheless, there are various commands available at the upper screen of your MacOs or at the upper part of the app window (Windows), where you can *extract, transform or load* data files.



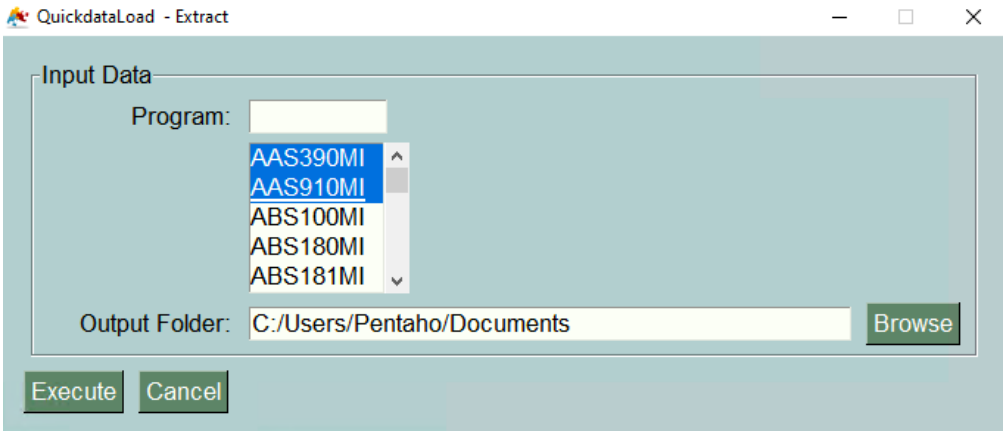
Now, we are going to go through the three different commands step by step and show how it really works. We will go as follows: **Extract, Transform and Load**.

3.1 EXTRACT

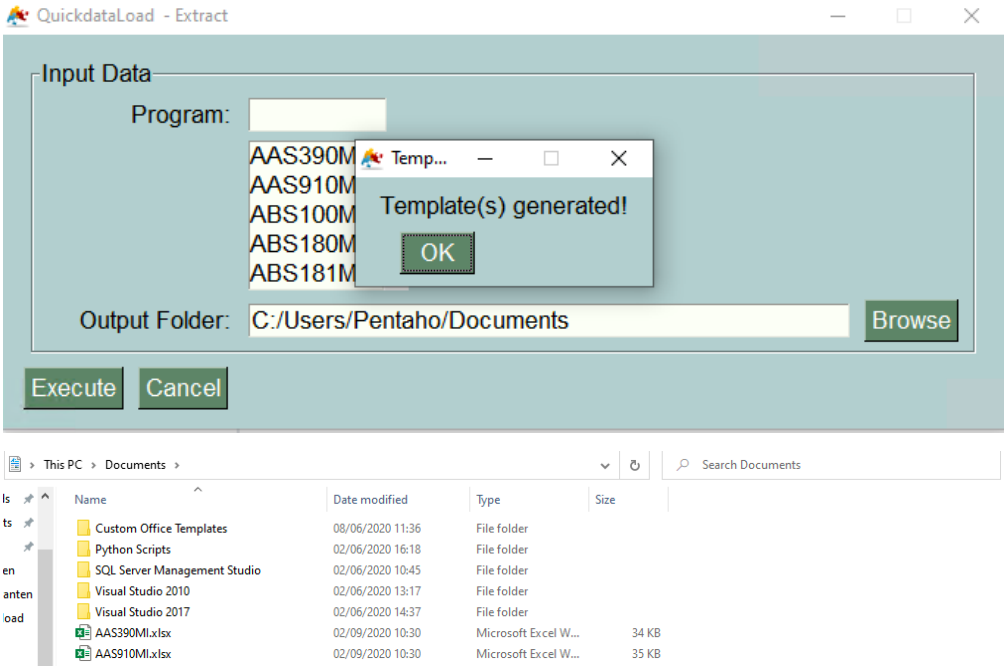
Starting with the first command: **Extract**. Just click on it on the command options to get things started.



The program is elaborated in a very intuitive way since you just have to decide which *program* you want extract the data from and where (in which directory) you want to save your new outputfile. For example, we can choose the first two programs for extraction, *"AAS390MI"* and *"AAS910MI"**, and then decide to store the output file in our `Documents/` folder.



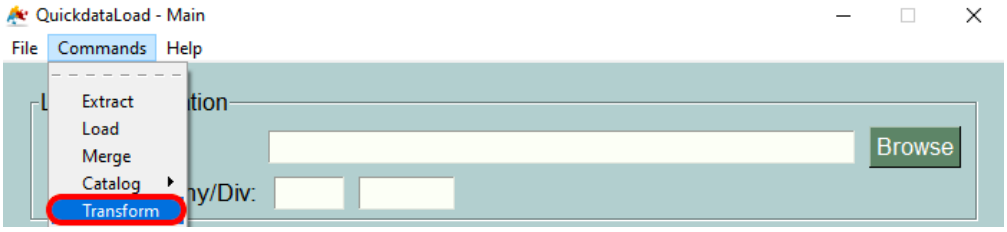
Finally, just execute the command to get your desired extraction output files in your Documents directory.

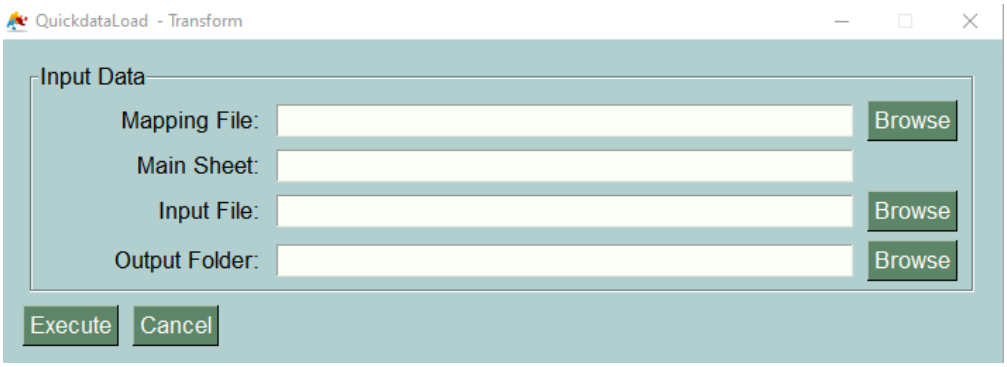


That is exactly how the extraction command works!

3.2 TRANSFORM

The second command is: **Transform**. Just click on it on the command options to start with the transformation of the data.

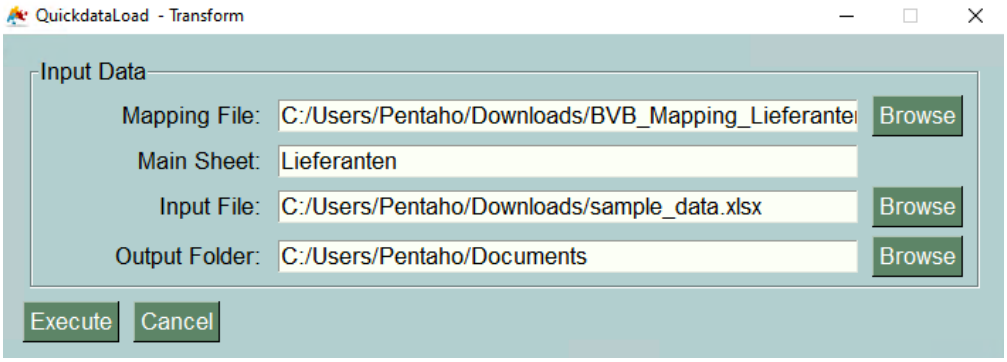




There are a few parameters that are necessary to execute the transformation of data.

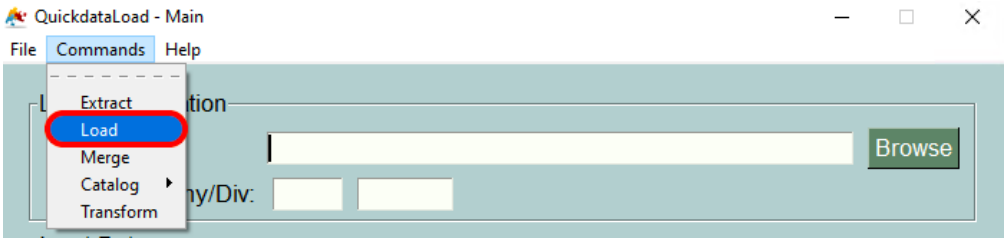
Parameter	Description
-a or –mapping-file	This parameter is used to provide the mapping file based on which transformation will be done.
-b or –mainsheet	This parameter is used to define the main sheet which will contain the mapping fields for transformation.
-i or –inputfile	This parameter is used to provide the input data.

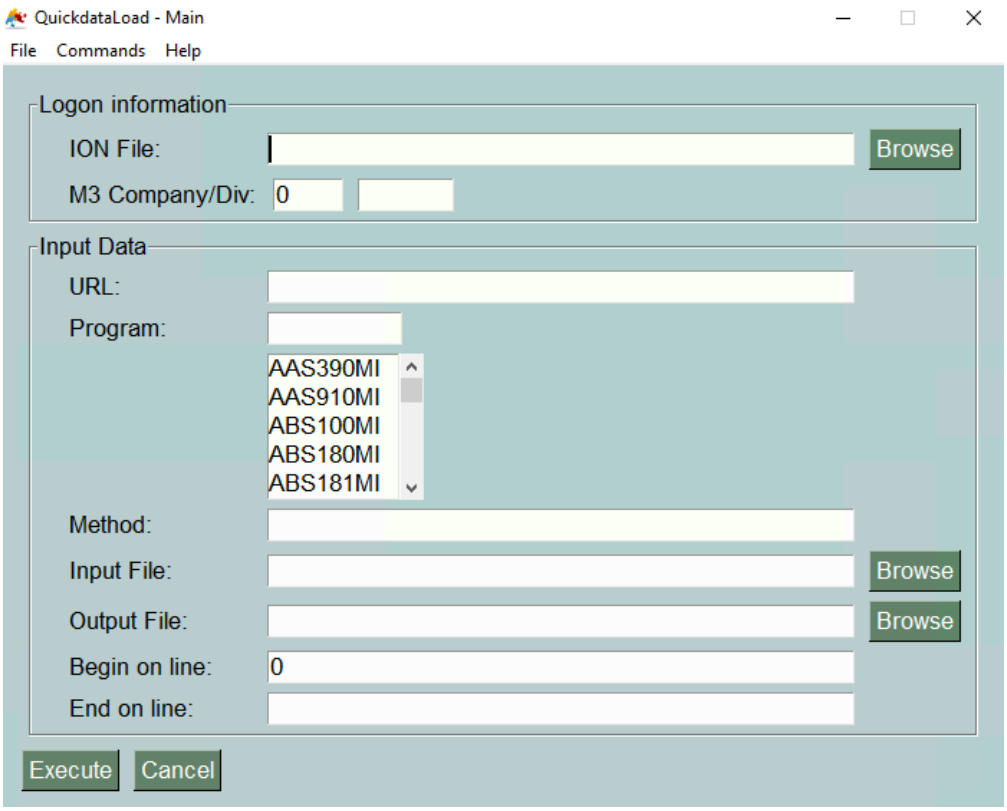
Finally, after introducing all these files, the only thing that is left is to decide on which output folder you want to save all the process.



3.3 LOAD

The last available command is calles: **Load**. It is the same window as the starting one, but even if it seems more complicated than the others, just following this simple steps will help and guide you.





In order to fill all the information correctly, the following list could give you an heads-up on what each parameter means.

Parameter	Description
-u, –url	The full URL to the API is needed. Please note you need to enter the full url like .../M3/m3api-rest/v2/execute/CRS610MI [required]
-f, –ionfile	IONFile is needed to login in to Infor OS. Please go into ION and generate a IONFile. If not provided, a prompt will allow you to type the input text. [required]
-p, –program	What kind of program to use by the load [required]
-m, –method	Select the method as a list [required]
-i, –inputfile	File to load the data. Please use XLSX or CSV format. If not provided, the input text will just be printed [required]
-o, –outputfile	File as Output File - Data are saved here for the load
-s, –start	Dataload can be started by 0 or by a number
-e, –end	Dataload can be end
-z, –configfile	Use a Configfile instead of parameters

Furthermore, it will function exactly like the manual command executed on your Terminal (MacOs) or your Prompt Command (Windows). At last instance, you can use this command as a tool as well:

```
inforion load -u https://mingle-ionapi.eu1.inforcloudsuite.com/Tendat_DEV/M3/m3api-
↪rest/v2/execute -f FellowKey.ionapi -p CRS610MI -m "Add,ChgBasicData,ChgOrderInfo,
↪ChgFinancial" -i excel/T-KundenNeu1.xlsx -o load_full_200.xlsx -s 0 -e 2
```

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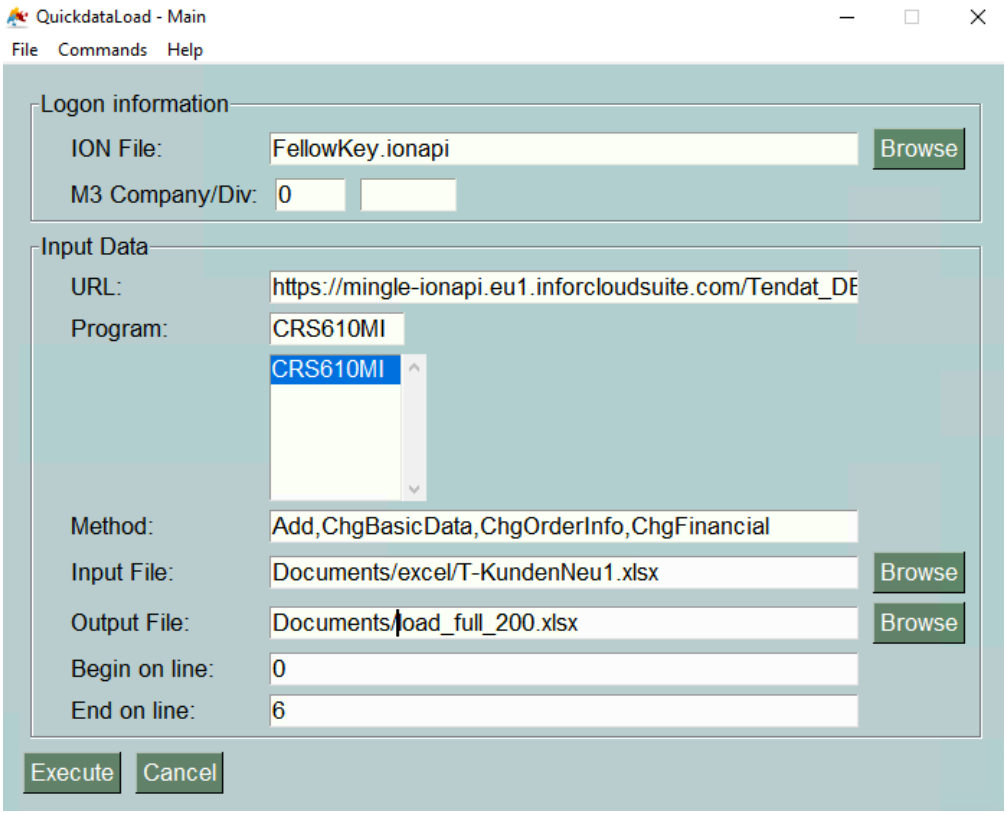


Nevertheless, an important prerequisite in order to achieve the *Loading command* is to already have all the needed parameters on your computer like the ION file, the excel sheets, and so on.

CHAPTER 4

Requirements

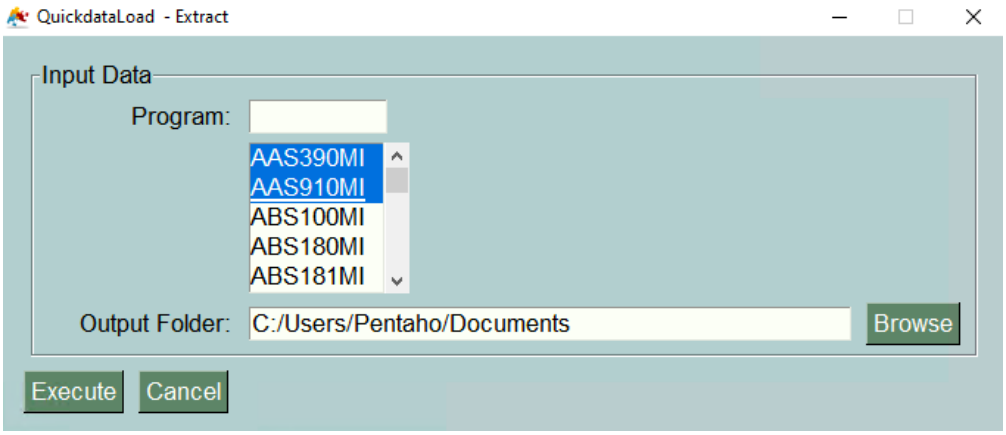
Before getting into the use of the app, it is important that you have the following requirements:

- inforion==2.24
- PySimpleGUI==4.26.0
- pandas==1.1.1

There are just a few requirements that must be considered when running the **QuickdataLoad App**. As we have seen in the *Commands* section, in order to execute every single one of the three described commands (Extract, Transform and Load) some files are highly necessary.

4.1 EXTRACT

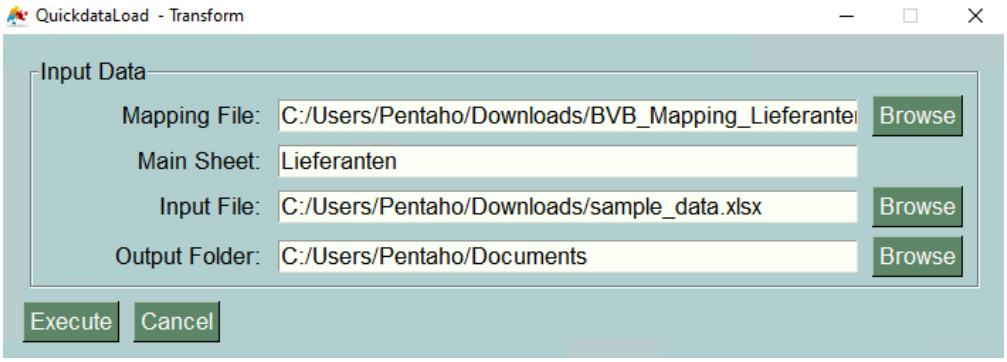
It is safe to say that the **extract command** is one of the easiest since the required data for extraction is already given by the wide selection of available programs. The only thing one needs to do, is simply choose where to put the output file.



4.2 TRANSFORM

When talking about the **transform command**, some files and documentation are needed beforehand. So always take in mind to have these following files for the execution of transforming data:

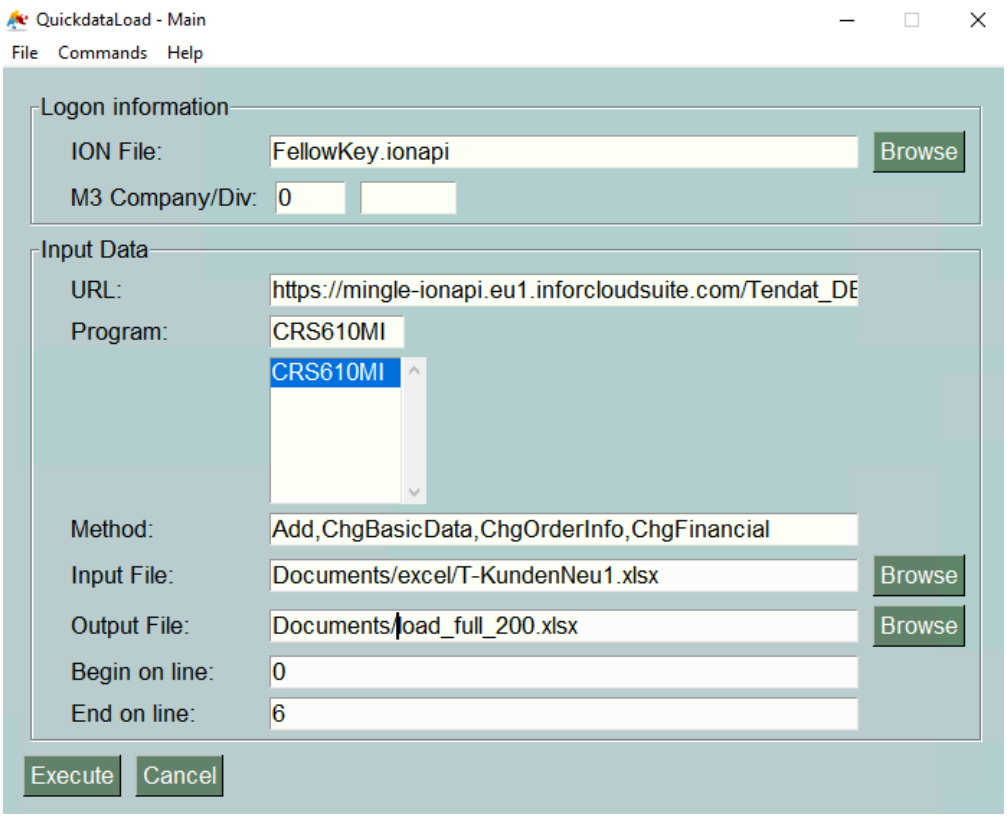
Parameter	Description
-a or –mapping-file	This parameter is used to provide the mapping file based on which transformation will be done.
-b or –mainsheet	This parameter is used to define the main sheet which will contain the mapping fields for transformation.
-i or –inputfile	This parameter is used to provide the input data.



4.3 LOAD

Finally, just as a reminder of all the files that are needed for the **load command**, here is the list again:

Parameter	Description
-u, –url	The full URL to the API is needed. Please note you need to enter the full url like .../M3/m3api-rest/v2/execute/CRS610MI [required]
-f, –ionfile	IONFile is needed to login in to Infor OS. Please go into ION and generate a IONFile. If not provided, a prompt will allow you to type the input text. [required]
-p, –program	What kind of program to use by the load [required]
-m, –method	Select the method as a list [required]
-i, –inputfile	File to load the data. Please use XLSX or CSV format. If not provided, the input text will just be printed [required]
-o, –outputfile	File as Output File - Data are saved here for the load
-s, –start	Dataload can be started by 0 or by a number
-e, –end	Dataload can be end
-z, –configfile	Use a Configfile instead of parameters


QuickdataLoad - Main
File Commands Help
Logon information
ION File:
FellowKey.ionapi
Browse
M3 Company/Div:
0
Input Data
URL:
https://mingle-ionapi.eu1.inforcloudsuite.com/Tendat_DE
Program:
CRS610MI
CRS610MI
Method:
Add,ChgBasicData,ChgOrderInfo,ChgFinancial
Input File:
Documents/excel/T-KundenNeu1.xlsx
Browse
Output File:
Documents/load_full_200.xlsx
Browse
Begin on line:
0
End on line:
6
Execute
Cancel

CHAPTER 5

Indices and tables

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- search