

RLEAPP GUIDED EXERCISE

Video walkthrough available on the Tool Walkthrough Playlist at <https://youtube.com/@hexordia>

Prior to going through this process please see the walkthrough on python and pip updates. The LEAPP's have a requirement of using python version 3.9, if you use a different version not all data may be available.

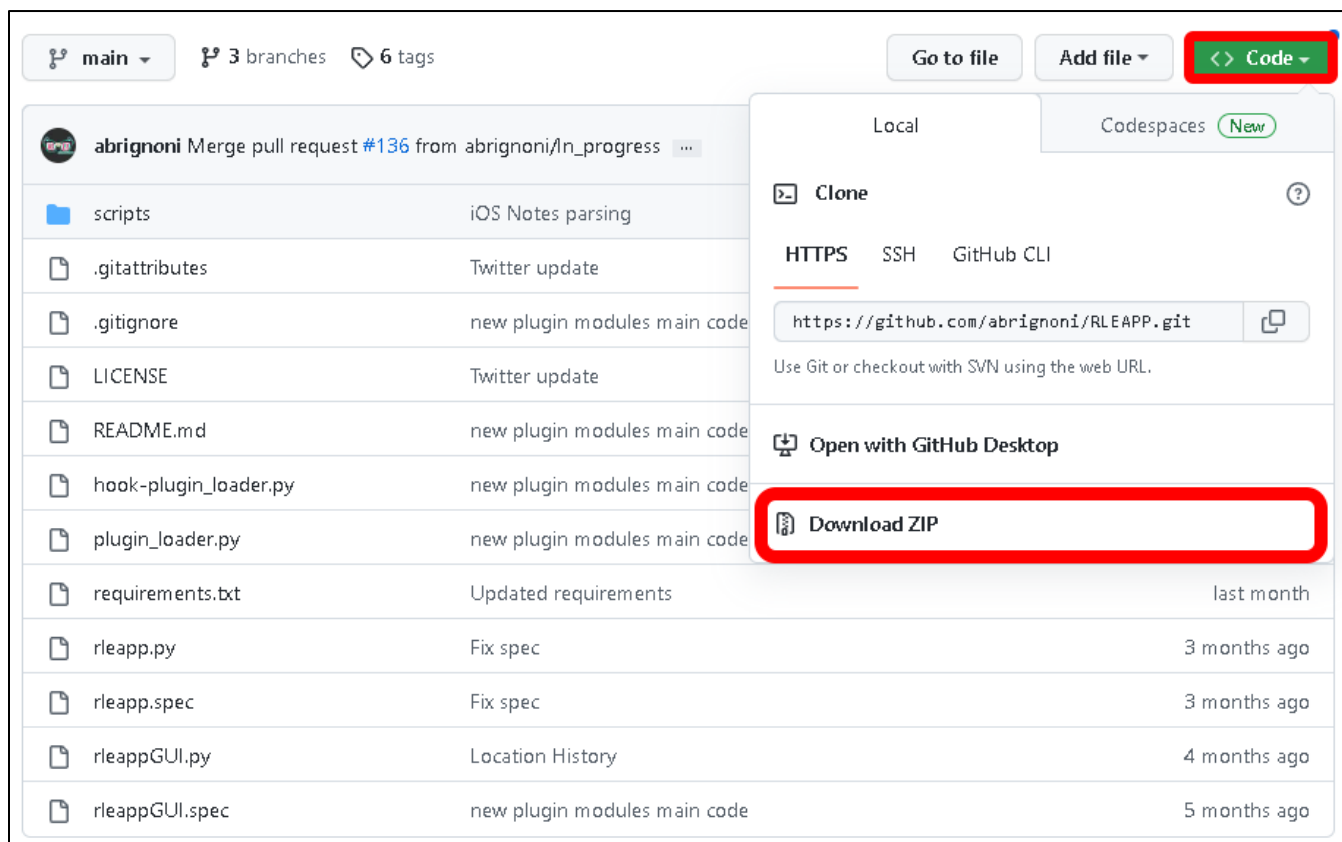
To get started, please download RLEAPP from <https://github.com/abrignoni/RLEAPP>

Prior to installation, verify the hash value to the known good from the syllabus for students enrolled in the HMFA Virtual Live course. The MD5 hash value for the RLEAPP-main.zip (Commit 45eb6b6) is 554A6D3A0D1BBF0F0745D7C745CFF756.

**If you already have ALEAPP Installed, please move on to [Set Up and Use](#).

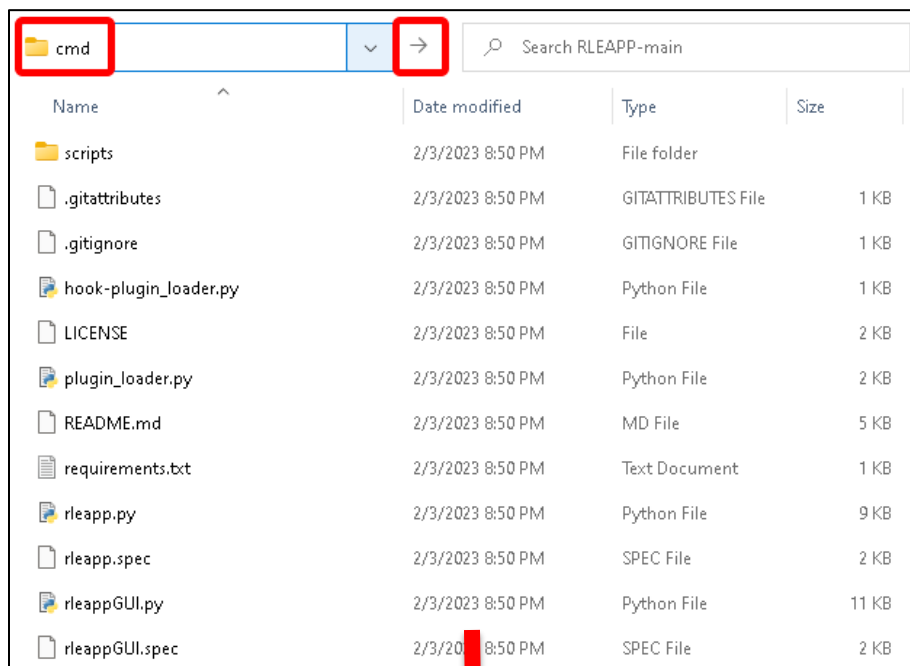
INSTALLATION

Once on the github page, click "Code" and then "download zip".



The screenshot shows the GitHub repository page for 'abrignoni/RLEAPP'. The repository is on the 'main' branch, with 3 branches and 6 tags. The file list includes: scripts (iOS Notes parsing), .gitattributes (Twitter update), .gitignore (new plugin modules main code), LICENSE (Twitter update), README.md (new plugin modules main code), hook-plugin_loader.py (new plugin modules main code), plugin_loader.py (new plugin modules main code), requirements.txt (Updated requirements, last month), rleapp.py (Fix spec, 3 months ago), rleapp.spec (Fix spec, 3 months ago), rleappGUI.py (Location History, 4 months ago), and rleappGUI.spec (new plugin modules main code, 5 months ago). The 'Code' button is highlighted in red, and the 'Download ZIP' option in the dropdown menu is also highlighted in red.

Once downloaded, extract the contents of the zip to a location on your machine. Open the extracted folder and type “CMD” into the toolbar. This will pull up the command prompt in the folder.



Follow the requirements and dependencies section on the GitHub page. Follow whichever direction for the Operating System used.

Requirements

Python 3.9 or above (older versions of 3.x will also work with the exception of one or two modules)

Dependencies

Dependencies for your python environment are listed in `requirements.txt`. Install them using the below command. Ensure the `py` part is correct for your environment, eg `py`, `python`, or `python3`, etc.

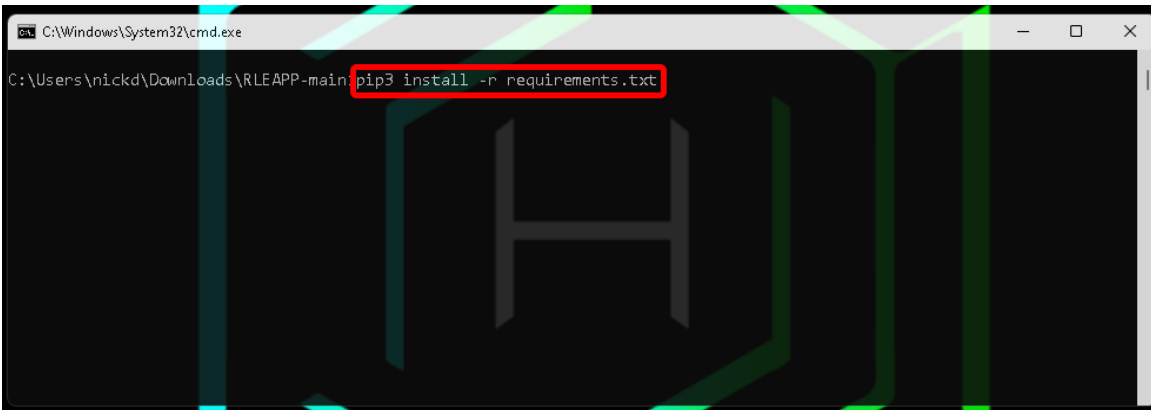
```
py -m pip install -r requirements.txt  
or  
pip3 install -r requirements.txt
```

To run on **Linux**, you will also need to install `tkinter` separately like so:

```
sudo apt-get install python3-tk
```

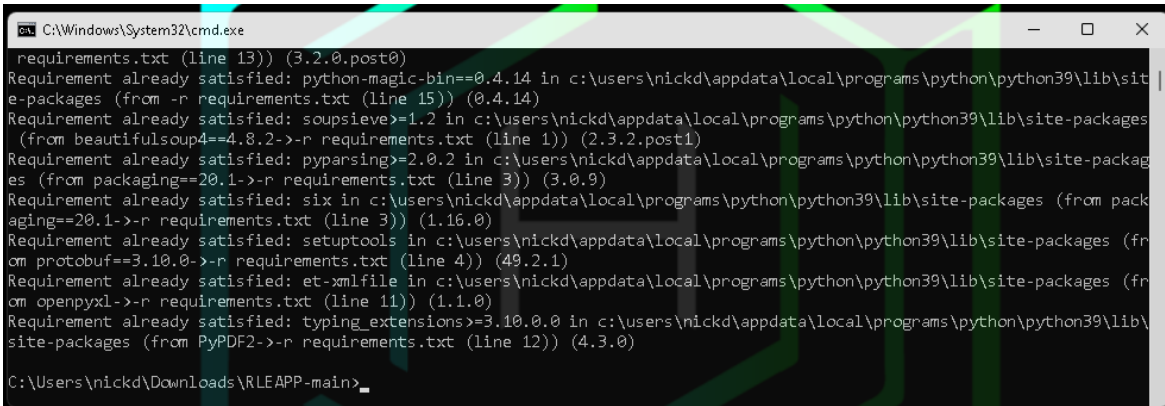
To install dependencies offline Troy Schnack has a neat process here:
<https://twitter.com/TroySchnack/status/1266085323651444736?s=19>

Windows requirements install CMD.



```
C:\Windows\System32\cmd.exe  
C:\Users\nickd\Downloads\RLAPP-main> pip3 install -r requirements.txt
```

Windows requirements setup after command completion.



```
C:\Windows\System32\cmd.exe  
requirements.txt (line 13)) (3.2.0.post0)  
Requirement already satisfied: python-magic-bin==0.4.14 in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from -r requirements.txt (line 15)) (0.4.14)  
Requirement already satisfied: soupsieve>=1.2 in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from beautifulsoup4==4.8.2->-r requirements.txt (line 1)) (2.3.2.post1)  
Requirement already satisfied: pyparsing>=2.0.2 in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from packaging==20.1->-r requirements.txt (line 3)) (3.0.0)  
Requirement already satisfied: six in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from packaging==20.1->-r requirements.txt (line 3)) (1.16.0)  
Requirement already satisfied: setuptools in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from protobuf==3.10.0->-r requirements.txt (line 4)) (49.2.1)  
Requirement already satisfied: et-xmlfile in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from openpyxl->-r requirements.txt (line 11)) (1.1.0)  
Requirement already satisfied: typing_extensions>=3.10.0.0 in c:\users\nickd\appdata\local\programs\python\python39\lib\site-packages (from PyPDF2->-r requirements.txt (line 12)) (4.3.0)  
C:\Users\nickd\Downloads\RLAPP-main>
```

Next, run the command line (CLI) command or graphical user interface (GUI) command based on the Operating System and choice of program.

```
CLI

$ python rleapp.py -t <zip | tar | fs | gz> -i <path_to_extraction> -o <path_for_report_output>

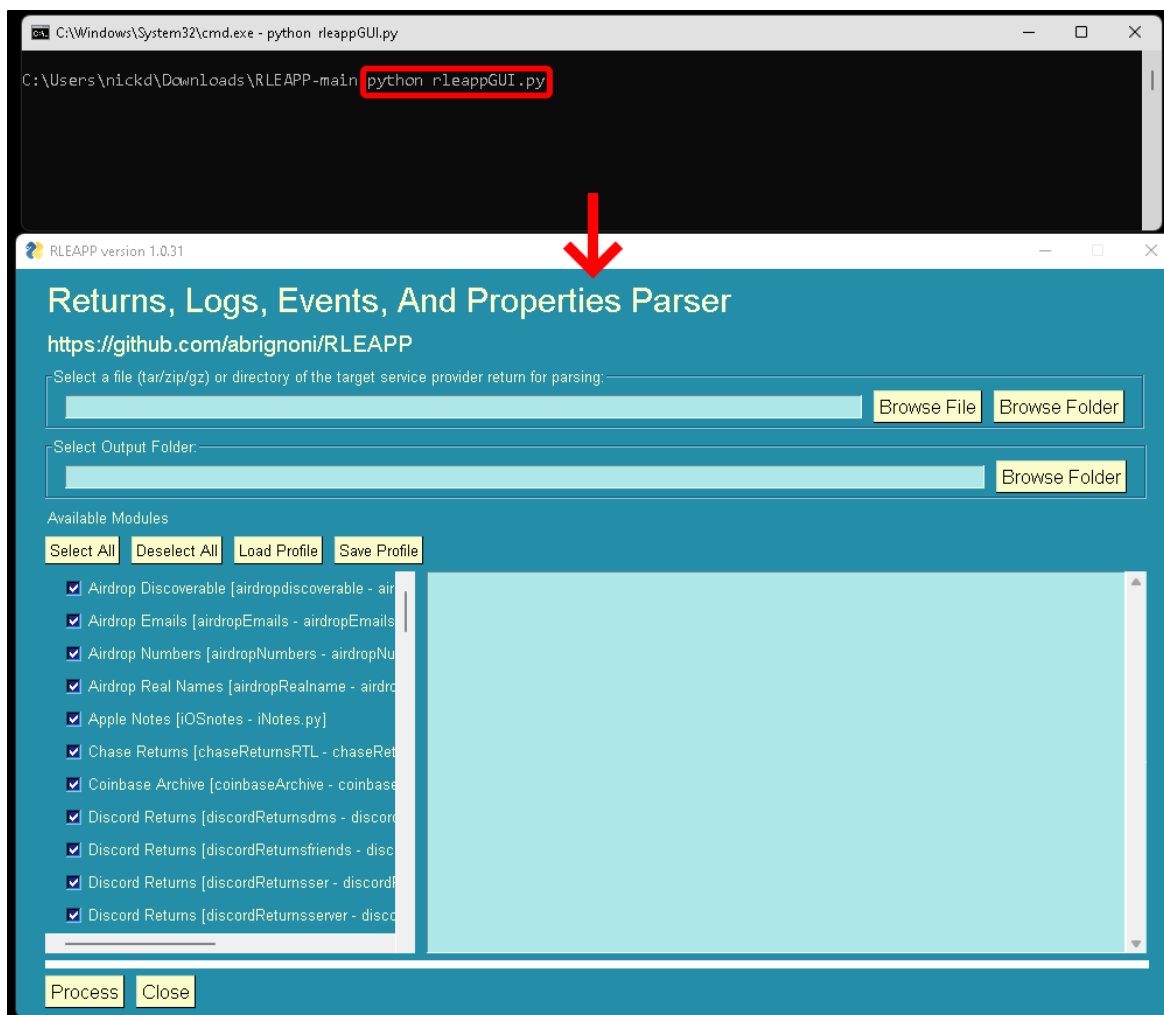
GUI

$ python rleappGUI.py

Help

$ python rleapp.py --help
```

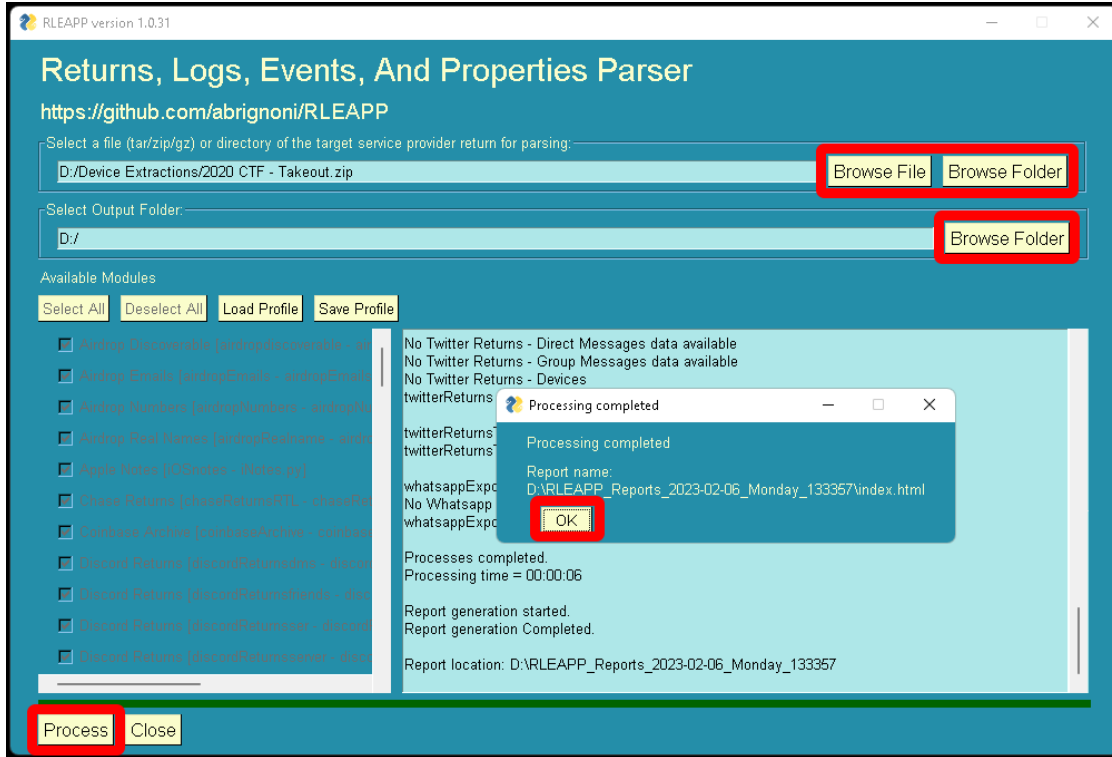
Example of “python rleappGUI.py”



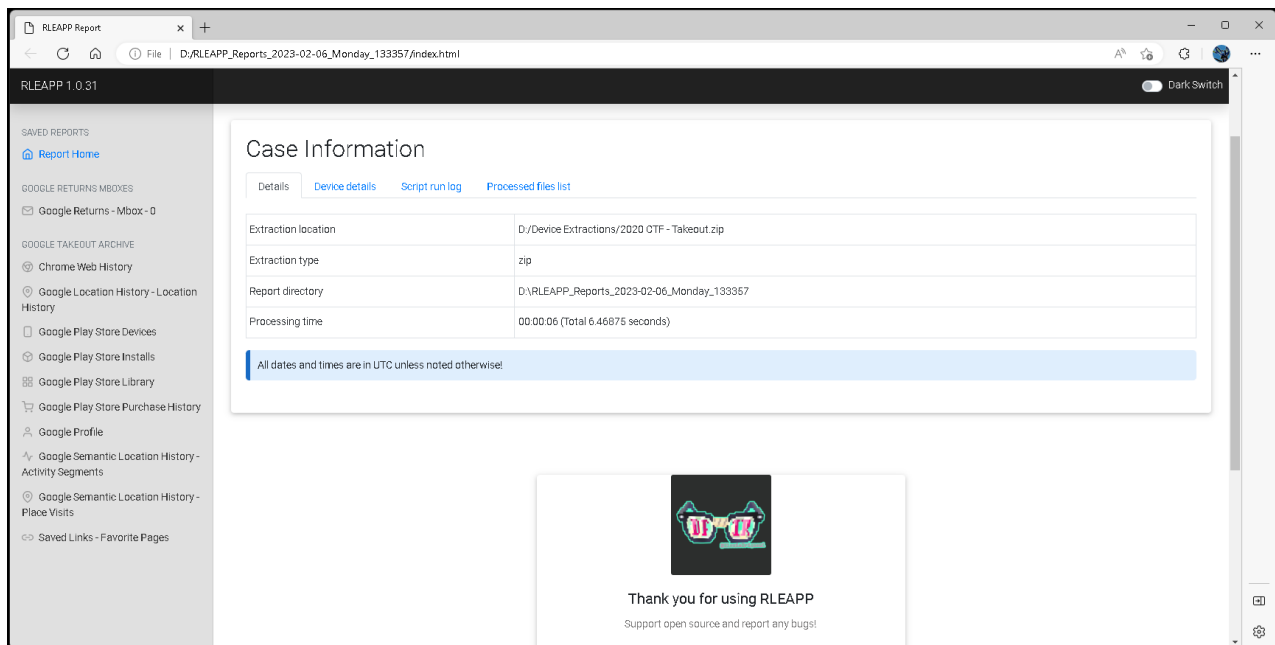


SET UP AND USE

Next select “browse file” or “folder” and “select tar/zip/gz” file type. Select “output” and then “process”. View of processing:



Once “Ok” is selected an HTML file will popup. Expected output HTML file:



Post-closing out of the HTML file there will be a folder labelled RLEAPP_Reports_(date) saved to the output location. Open the “folders” or “HTML” files to access the data.



RLEAPP_Reports_
2023-02-06_Mon
day_133357

Select “index.html” for the summary.html file. Specific artifacts may be found in their designated folders.

Name	Date modified
_elements	2/6/2023 1:34 PM
_KML Exports	2/6/2023 1:33 PM
_Timeline	2/6/2023 1:33 PM
_TSV Exports	2/6/2023 1:33 PM
Chase Returns	2/6/2023 1:33 PM
Google Returns MBOXes1_attachments_...	2/6/2023 1:33 PM
Google Returns MBOXes1_attachments_r...	2/6/2023 1:33 PM
Script Logs	2/6/2023 1:33 PM
Snapchat Returns	2/6/2023 1:34 PM
temp	2/6/2023 1:33 PM
Twitter Returns	2/6/2023 1:34 PM
Whatsapp Exported Chat	2/6/2023 1:34 PM
Chrome Web History.html	2/6/2023 1:34 PM
Google Location History - Location Histo...	2/6/2023 1:34 PM
Google Play Store Devices.html	2/6/2023 1:34 PM
Google Play Store Installs.html	2/6/2023 1:34 PM
Google Play Store Library.html	2/6/2023 1:34 PM
Google Play Store Purchase History.html	2/6/2023 1:34 PM
Google Profile.html	2/6/2023 1:34 PM
Google Returns - Mbox - 0.html	2/6/2023 1:34 PM
Google Semantic Location History - Acti...	2/6/2023 1:34 PM
Google Semantic Location History - Plac...	2/6/2023 1:34 PM
index.html	2/6/2023 1:34 PM
Saved Links - Favorite Pages.html	2/6/2023 1:34 PM