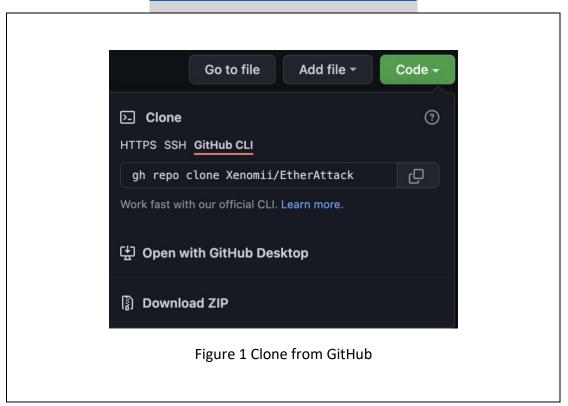
User Manual for EtherAttack

- 1) Visit https://github.com/Xenomii/EtherAttack to view EtherAttack Project
- 2) Clone the EtherAttack project on GitHub through this link below:

https://github.com/Xenomii/EtherAttack



3) Open terminal and type:

\$ git clone https://github.com/Xenomii/EtherAttack

```
Last login: Sun Apr 3 15:21:23 on ttys003
[brilliantstar@Stellars-MacBook-Pro ~ % git clone https://github.com/Xenomii/Ethe]
rAttack

Figure 2 Git clone on Terminal
```

4) Press Enter to clone the project.

```
Cloning into 'EtherAttack'...
remote: Enumerating objects: 479, done.
remote: Counting objects: 100% (479/479), done.
remote: Compressing objects: 100% (334/334), done.
remote: Total 479 (delta 268), reused 325 (delta 136), pack-reused 0
Receiving objects: 100% (479/479), 29.89 MiB | 7.05 MiB/s, done.
Resolving deltas: 100% (268/268), done.

Figure 3 EtherAttack successfully cloned
```

5) Enter the path of the where EtherAttack is located

Eg: cd Path_Of_EtherAttack

```
brilliantstar@Stellars-MacBook-Pro ~ % cd /Users/brilliantstar/GitHub/EtherAttack

Figure 4 locate EtherAttack
```

6) Cd to webapp

Eg: cd webapp

```
brilliantstar@Stellars-MacBook-Pro EtherAttack % cd webapp

Figure 5 cd webapp
```

7) Install python virtual environment

sudo apt install python3-pip python3-venv

8) Create a python virtual environment by inputting the command:

python3 -m venv venv

. venv/bin/activate

```
brilliantstar@Stellars-MacBook-Pro webapp % python3 -m venv venv
brilliantstar@Stellars-MacBook-Pro webapp % . venv/bin/activate
```

Figure 6 create virtual environment

9) (.venv) will appear at the start of the directory terminal output.

[(venv) brilliantstar@Stellars-MacBook-Pro webapp %

Figure 7 (.venv) appearing at the start of directory terminal

10) Install dependencies that is required for this project using pip:

pip install -r requirements.txt pip install Flask

(venv) brilliantstar@Stellars-MacBook-Pro webapp % pip install -r requirements.txt

(venv) brilliantstar@Stellars-MacBook-Pro webapp % pip install Flask

Requirement already satisfied: Flack in (venv/lib/python2 10/site pa

11) Install solidity compiler:

solc-select install 0.6.10

(venv) brilliantstar@Stellars-MacBook-Pro webapp % solc-select install 0.6.10

Figure 9 install solidity compiler

12) Verify that the compiler is installed

solc-select versions

version 'v.o.iv' installed. [(venv) brilliantstar@Stellars-MacBook-Pro webapp % solc-select versions 0.6.10 (current, set by /Users/brilliantstar/.solc-select/global-version)

Figure 10 verify that compiler is well installed

13) Run the application:

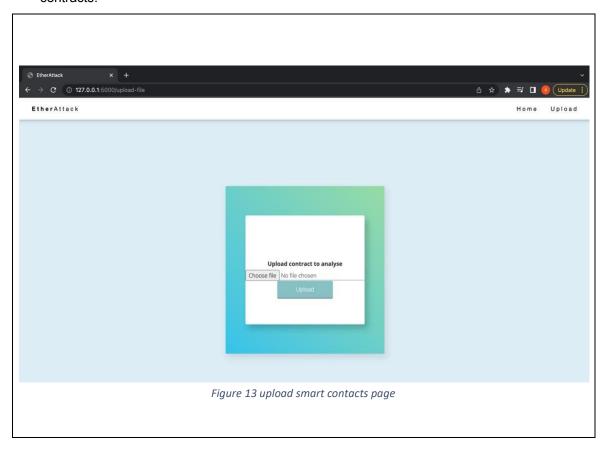
python3 app.py

```
[(venv) brilliantstar@Stellars-MacBook-Pro webapp % python app.py
* Serving Flask app 'app' (lazy loading)
* Environment: production
    WARNING: This is a development server. Do not use it in a production deployment.
    Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 295-929-250
Figure 11 run the application
```

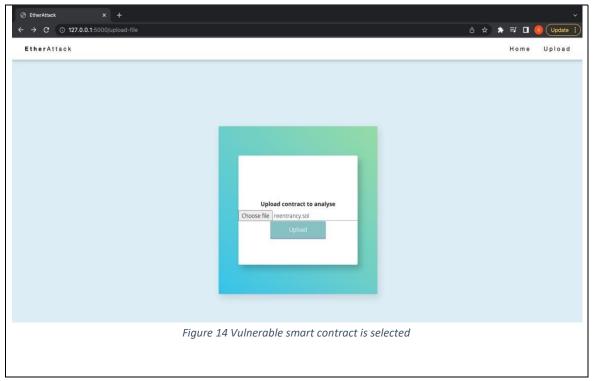
14) Visit http://127.0.0.1:5000 . EtherAttack webpage would be shown



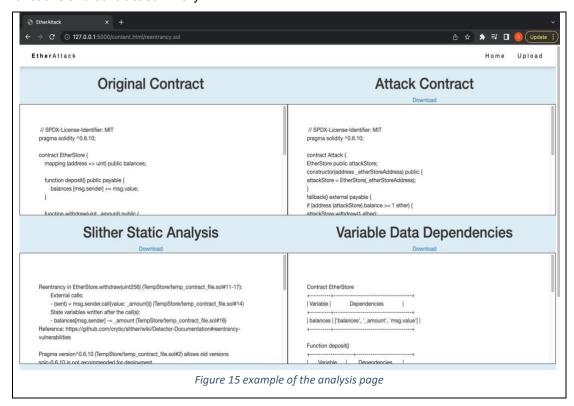
15) Click on upload on the main page and will be directed to the upload page to upload smart contracts.



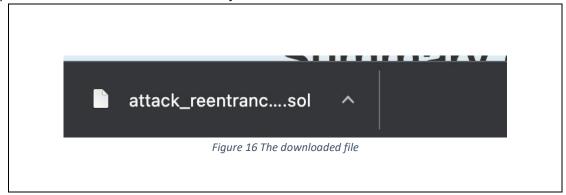
16) Choose a smart contract to upload. For this example a vulnerable smart contract is been chosen.



17) Press upload to be directed to the analysis page. Analysis page will show detail analysis. This includes Attack contract, Slither static analysis, variable data dependencies, summary of functions and contract summary.



18) Press download to download the analyzed data.



19) If there is no vulnerable in the smart contract, a no vulnerabilities notice will be shown under the Attack Contract section in the analysis page.

