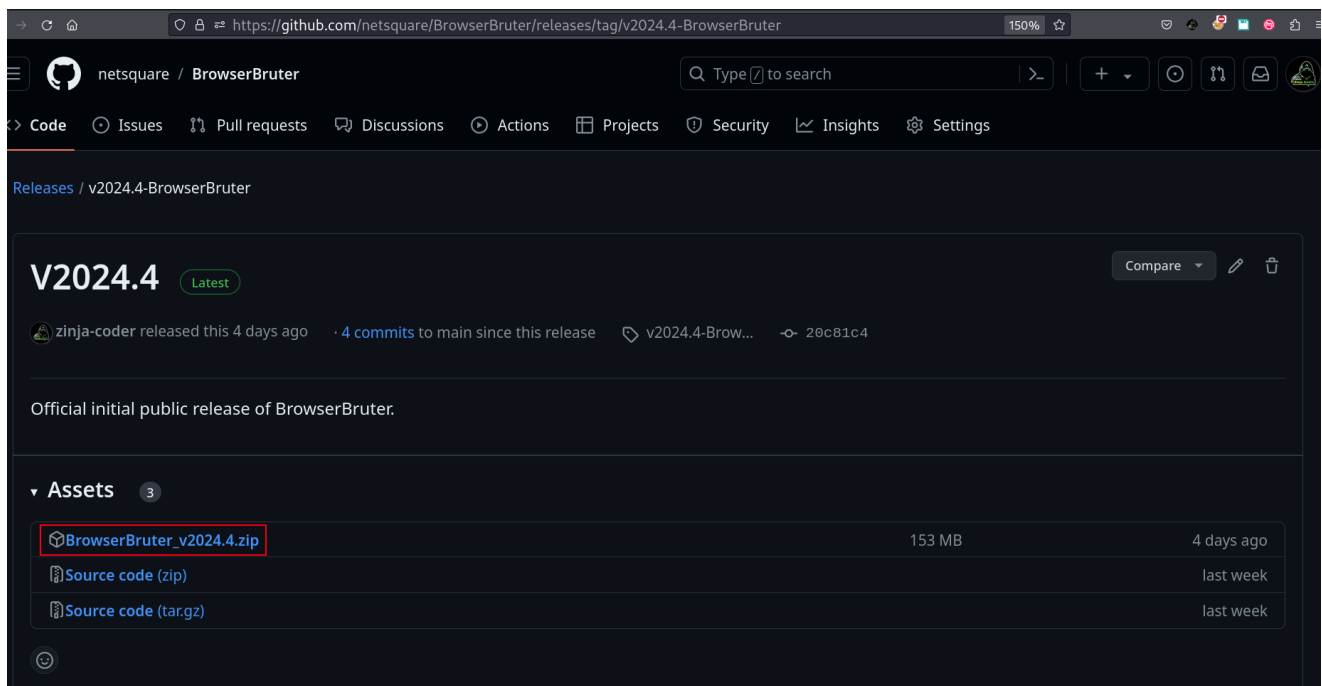


# Installation-Prerequisite

## Downloading & Installing the BrowserBruter

Get the latest release file from the github repository -

<https://github.com/netsquare/BrowserBruter/releases>



## Using PIP

1. Install the required packages using - `pip3 install -r requirements.txt`

```

➤ ➤ ➤ **> pip3 install -r requirements.txt
Defaulting to user installation because normal site-packages is not writeable
DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/progressbar2-4.3.2
e pip for package installation.. Discussion can be found at https://github.com/pypa/pi
DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/pyrdp_mitm-2.0.1.0
acement is to use pip for package installation.. Discussion can be found at https://gi
DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/namesgenerator-0.3
e pip for package installation.. Discussion can be found at https://github.com/pypa/pi
DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/impacket-0.12.0.de
sible replacement is to use pip for package installation.. Discussion can be found at
DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/twisted-23.10.0-py
ip for package installation.. Discussion can be found at https://github.com/pypa/pip/t
1. DEPRECATION: Loading egg at /usr/local/lib/python3.11/dist-packages/pycryptodome-3.20.

```

1. If you get errors even after installing the packages, re-run the above command as follows - **pip3 install -U -r requirements.txt** to upgrade the existing packages.

## Using Virtual Environment - venv

---

If you are facing any issue while installing the BrowserBruter using **pip**. You can setup the BrowserBruter with **venv** too. Setting up BrowserBruter with venv is straight-forward process.

1. First install the **ven** using following command - **sudo apt install python3.11-venv**

```

(kali@kali)~/tmp/BrowserBruter
$ sudo apt install python3.11-venv
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3.11-venv is already the newest version (3.11.8-1).
The following packages were automatically installed and are no longer required:
 libadwaita-1-0 libappstream5 libboost-dev libboost1.83-dev libopenblas-dev libopenblas-pthread-dev libopenblas0 libpython3-all-dev libpython3.12
 libpython3.12-dev libstemmer0d libxmlb2 libxsimd-dev python3-all-dev python3-beniget python3-gast python3-pythran python3.12-dev xtl-dev zenity
 zenity-common
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
1.

```

2. If you get following error **Package 'python3.11-venv' has no installation candidate**, run following command - **sudo apt update -y && sudo apt upgrade -y** and try again.
3. If you still getting the errors, run following command - **sudo apt install python3-virtualenv**
4. For any strange reason, If you still can not install the venv package, you can manually download it from [here](#),

then install it using `sudo apt install ./downloaded-package.deb`

5. We need to install this only **once**.
2. Then navigate inside the BrowserBruter directory and run following command - `python3 -m venv venv`
  1. We need to run this command only **once**.
3. Activate the virtual environment using following - `source venv/bin/activate`
4. Install the required packages using following command - `pip3 install -r requirements.txt`
  1. We need to install packages only **once**.

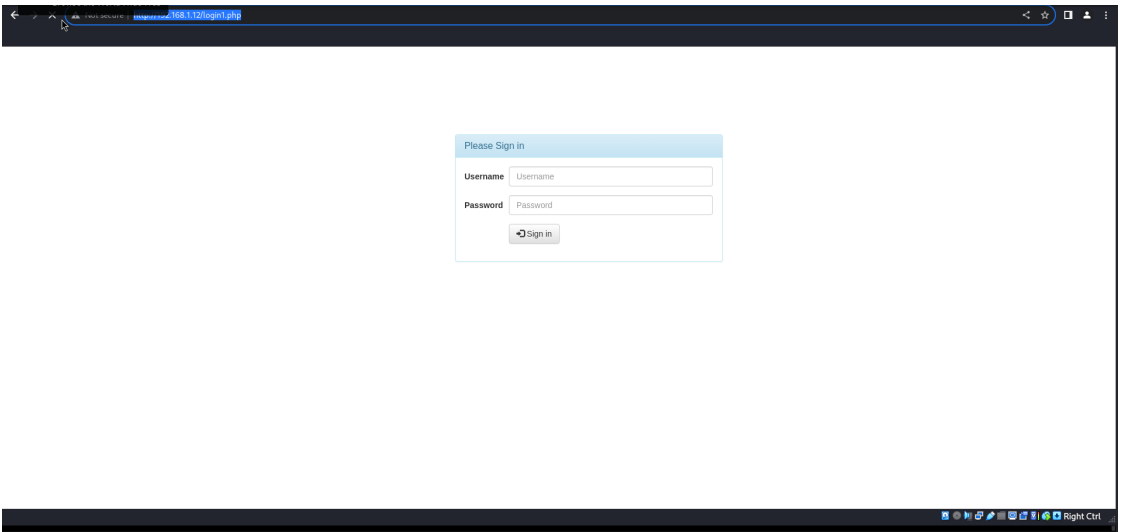
```
(kali@kali)-[/tmp/BrowserBruter]
$ python3 -m venv venv

(kali@kali)-[/tmp/BrowserBruter]
$ source venv/bin/activate

(venv)-(kali@kali)-[/tmp/BrowserBruter]
$ pip3 install -r requirements.txt
Collecting selenium==4.17.2 (from -r requirements.txt (line 1))
  Using cached selenium-4.17.2-py3-none-any.whl.metadata (6.9 kB)
Collecting selenium-wire==5.1.0 (from -r requirements.txt (line 2))
  Using cached selenium_wire-5.1.0-py3-none-any.whl.metadata (49 kB)
```


## 5. Use The BrowserBruter tool

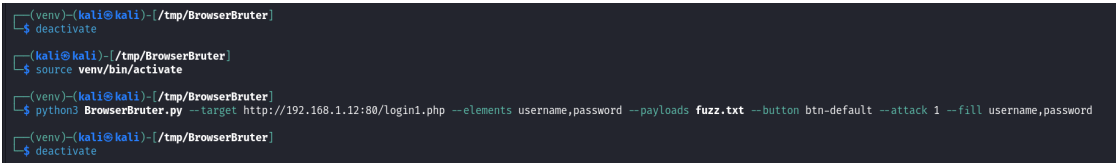
```
1. (venv)-(kali@kali)-[/tmp/BrowserBruter]
$ python3 BrowserBruter.py --target http://192.168.1.12:80/login.php --elements username,password --payloads fuzz.txt --button btn-default --attack 1 --fill username,password --headless
```



```
2. 
```

6. Get out of the virtual environment using - `deactivate`

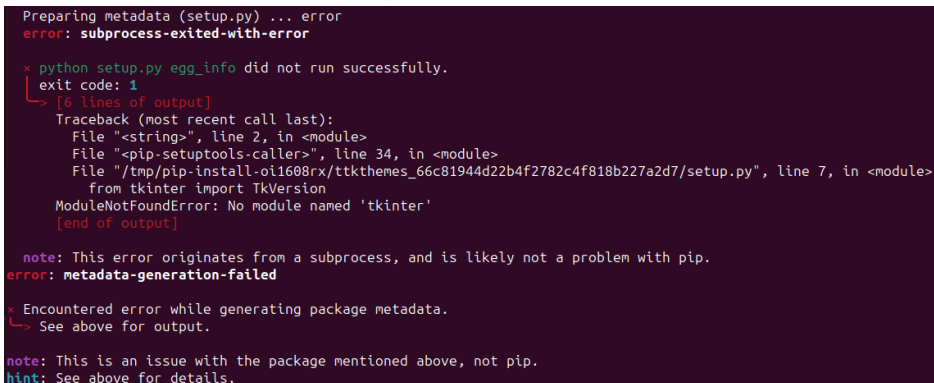
1. 
2. Use `deactivate` to get out of the virtual environment.
3. Now to re-run the tool - repeat **step 3, step 5 and step 6.**

4. 

## TroubleShooting

---

1. Getting "**ModuleNotFoundError: No module named 'tkinter'**" while running `pip3 install -r requirements.txt` -



```
Preparing metadata (setup.py) ... error
error: subprocess-exited-with-error

× python setup.py egg_info did not run successfully.
  exit code: 1
  [6 lines of output]
  Traceback (most recent call last):
    File "<string>", line 2, in <module>
    File "<pip-setuptools-caller>", line 34, in <module>
    File "/tmp/pip-install-oi1608rx/ttkthemes_66c81944d22b4f2782c4f818b227a2d7/setup.py", line 7, in <module>
      from tkinter import TkVersion
  ModuleNotFoundError: No module named 'tkinter'
  [end of output]

note: This error originates from a subprocess, and is likely not a problem with pip.
error: metadata-generation-failed

× Encountered error while generating package metadata.
  See above for output.

note: This is an issue with the package mentioned above, not pip.
hint: See above for details.
```

**Solution** - run following command to install the tkinter library -

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

## Set up the lab

---

Run following command to download & run the dokcer container of the lab -

```
sudo docker run --rm -p 80:80 hpandro/vims
```

```
➤$ sudo docker run --rm -p 80:80 hpandro/vims
[sudo] password for zinjacoder:
AH00558: apache2: Could not reliably determine the server's
```

Then get the container ID using following command -

```
sudo docker container ls -a
```

```
➤$ sudo docker container ls -a
[sudo] password for zinjacoder:
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
5da87dfadc6f   hpandro/vims   "docker-php-entrypoi..." 12 seconds ago Up 10 seconds  0.0.0.0:80→80/tcp, :::80→80/tcp   elegant_curran
```

Copy the Container ID and start mysql service using following command -

```
sudo docker exec -it 5da87dfadc6f service mysql start
```

```
➤$ sudo docker exec -it 5da87dfadc6f service mysql start
[sudo] password for zinjacoder:
[ ok ] Starting MariaDB database server: mysqld.
➤$
```

Test if it is working or not by visiting - <http://localhost/>

```
<  →  ↻  🏠  localhost
```

[Login with AES Encryption with static Key](#)  
[Login with AES Encryption with dynamic Key](#)  
[Login parameter Encryption with dynamic AES Key and AES encryption key encrypt with RSA](#)  
[Login with RSA Encryption](#)