DataSploit

Information Security Inc.

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About DataSploit

- An #OSINT Framework to perform various recon techniques, aggregate all the raw data, and give data in multiple formats.

Testing Environment

- Kali Linux 2017

```
root@kali2017:~# cat /etc/*rel*
DISTRIB_ID=Kali
DISTRIB_RELEASE=kali-rolling
DISTRIB_CODENAME=kali-rolling
DISTRIB_DESCRIPTION="Kali GNU/Linux Rolling"
PRETTY_NAME="Kali GNU/Linux Rolling"
NAME="Kali GNU/Linux"
ID=kali
VERSION="2017.2"
VERSION_ID="2017.2"
ID_LIKE=debian
ANSI_COLOR="1;31"
HOME_URL="http://www.kali.org/"
SUPPORT_URL="http://forums.kali.org/"
BUG_REPORT_URL="http://bugs.kali.org/"
```

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Required packages

```
1   anyjson==0.3.3
2   BeautifulSoup==3.2.1
3   beautifulsoup4==4.4.1
4   billiard==3.3.0.23
5   bs4==0.0.1
6   clearbit==0.1.4
7   config==0.3.9
8   dnspython==1.14.0
9   future==0.15.2
10  google-api-python-client==1.6.3
11  idna==2.1
12  ipwhois==0.15.1
13  json2html==1.0.1
14  lxml==3.6.0
15  piplapis-python==5.1.0
16  pymongo==3.3.0
17  python-Wappalyzer==0.2.2
18  python-whois==0.6.2
19  pytz==2016.6.1
20  requests==2.10.0
21  requests-file==1.4
22  simplejson==3.8.2
23  tldextract==2.0.1
24  tqdm==4.7.6
25  termcolor
26  tweepy==3.5.0
27  TravisPy==0.3.5
```

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Installing DataSploit

• Download GitHub repository

```
root@kali2017:~# git clone https://github.com/datasploit/datasploit /etc/datasploit
Cloning into '/etc/datasploit'...
remote: Counting objects: 1589, done.
remote: Compressing objects: 100% (55/55), done.
remote: Total 1589 (delta 15), reused 51 (delta 6), pack-reused 1523
Receiving objects: 100% (1589/1589), 11.74 MiB | 3.17 MiB/s, done.
Resolving deltas: 100% (778/778), done.
```

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Installing DataSploit

• Installing the requirements

```
root@kali2017:~# cd /etc/datasploit/
root@kali2017:/etc/datasploit# pip install -r requirements.txt
Requirement already satisfied: anyjson==0.3.3 in /usr/lib/python2.7/dist-packages (from -r requirements.txt (line 1))
Requirement already satisfied: BeautifulSoup==3.2.1 in /usr/lib/python2.7/dist-packages (from -r requirements.txt (line 2))
Collecting beautifulsoup4==4.4.1 (from -r requirements.txt (line 3))
  Downloading beautifulsoup4-4.4.1-py2-none-any.whl (81kB)
    100% |████████████████████████████████| 81kB 1.2MB/s
Collecting billiard==3.3.0.23 (from -r requirements.txt (line 4))
  Downloading billiard-3.3.0.23.tar.gz (151kB)
    100% |████████████████████████████████| 153kB 3.2MB/s
Collecting bs4==0.0.1 (from -r requirements.txt (line 5))
  Downloading bs4-0.0.1.tar.gz
Collecting clearbit==0.1.4 (from -r requirements.txt (line 6))
  Downloading clearbit-0.1.4.tar.gz
Collecting config==0.3.9 (from -r requirements.txt (line 7))
  Downloading config-0.3.9.tar.gz
Collecting dnspython==1.14.0 (from -r requirements.txt (line 8))
  Downloading dnspython-1.14.0.zip (251kB)
    100% |████████████████████████████████| 256kB 2.4MB/s
Requirement already satisfied: future==0.15.2 in /usr/lib/python2.7/dist-packages (from -r requirements.txt (line 9))
Collecting google-api-python-client==1.6.3 (from -r requirements.txt (line 10))
```

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Installing DataSploit

• Configuring the tool

```
root@kali2017:/etc/datasploit# mv config_sample.py config.py
root@kali2017:/etc/datasploit# vi config.py
```

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Installing DataSploit

- config.py


```
root@kali2017:/etc/datasploit# more config.py
#Store all your config's here.
#added to gitignore so will not be syned

#Backup in ~/Desktop/config.py_backup

shodan_api=""
bing_api=""
github_access_token=""
builtwith_api=""
censysio_id=""
censysio_secret=""
facebook_access_token = ""
flickr_api=""
google_api=""
google_cse_key=""
google_cse_cx = ""
hashes_api=""
ipinfodb_api=""
jigsaw_api=""
jigsaw_password=""
jigsaw_username=""
linkedin_api=""
linkedin_secret=""
pwnedlist_api=""
pwnedlist_iv=""
pwnedlist_secret=""
spyonweb_access_token = ""
twitter_consumer_key=""
twitter_consumer_secret=""
twitter_access_token = ""
twiter_access_token_secret = ""
zoomeyeuser = ""
zoomeyepass = ""
clearbit_apikey = ""
emailhunter=""
jsonwhois=""
instagram_token = ""
instagram_client_id = ""
instagram_client_secret = ""
fullcontact_api = ""
mailboxlayer_api = ""
virustotal_public_api =""
github_travis_key=""
```

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Using DataSploit

• Running DataSploit

```
root@kali2017:/etc/datasploit# python datasploit.py -h
Usage: datasploit.py [options]

Options:
  -h, --help                show this help message and exit
  -a DOMAIN, --active=DOMAIN
                            Launches Active Scans (work in progress)
  -o OUTPUT, --output=OUTPUT
                            Save output in either JSON or HTML
```

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Using DataSploit

- If getting the following error when running DataSploit

```
Traceback (most recent call last):
  File "datasploit.py", line 55, in <module>
    main(user_input, options.output)
  File "datasploit.py", line 46, in main
    usernameOsint.run(user_input, output)
  File "/etc/datasploit/usernameOsint.py", line 9, in run
    osint_runner.run("username", "username", username, output)
  File "/etc/datasploit/osint_runner.py", line 18, in run
    x = importlib.import_module(module_name)
  File "/usr/lib/python2.7/importlib/__init__.py", line 37, in import_module
    __import__(name)
  File "/etc/datasploit/username/username_profilepic.py", line 8, in <module>
    from bs4 import BeautifulSoup
  File "/usr/local/lib/python2.7/dist-packages/bs4/__init__.py", line 30, in <module>
    from .builder import builder_registry, ParserRejectedMarkup
  File "/usr/local/lib/python2.7/dist-packages/bs4/builder/__init__.py", line 314, in <module>
    from . import _html5lib
  File "/usr/local/lib/python2.7/dist-packages/bs4/builder/_html5lib.py", line 70, in <module>
    class TreeBuilderForHtml5lib(html5lib.treebuilders._base.TreeBuilder):
AttributeError: 'module' object has no attribute '_base'
```

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Using DataSploit

• Run the following commands to resolve it

```
root@kali2017:/etc/datasploit# pip install --upgrade beautifulsoup4
Collecting beautifulsoup4
  Downloading beautifulsoup4-4.6.0-py2-none-any.whl (86kB)
    100% |                                  | 92kB 1.3MB/s
Installing collected packages: beautifulsoup4
  Found existing installation: beautifulsoup4 4.4.1
    Uninstalling beautifulsoup4-4.4.1:
      Successfully uninstalled beautifulsoup4-4.4.1
Successfully installed beautifulsoup4-4.6.0
root@kali2017:/etc/datasploit#
root@kali2017:/etc/datasploit#
root@kali2017:/etc/datasploit# pip install --upgrade html5lib
Requirement already up-to-date: html5lib in /usr/lib/python2.7/dist-packages
```

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Using DataSploit

- Running DataSploit

```
root@kali2017:/etc/datasploit# python datasploit.py test.com
{'output': None, 'domain': 'spam'} ['test.com']


                     __  /  /__  ___/  /__  ___     __  /__  __  ()/  /__
                    /  / //__`// __`//__`// __ \  /  /___\ /  /  // /  //
                   /  / // // // // /(_)// // /  /(_)// // /  // /  //
                   \_,/ \_,/ \_,_/ \_,/ //__.__/ // \_//\_,/ //\_/
                                         /_/

                          Open Source Assistant for #OSINT
                               Website: www.datasploit.info

    User Input: test.com
    Looks like a DOMAIN, running domainOsint...

    [-] Skipping Googlepdf because it is marked as disabled.
    [-] Skipping Censys because it is marked as disabled.

    ---> Trying luck with PunkSpider

    [-] No Vulnerabilities found on PunkSpider
```

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Using DataSploit

- Running DataSploit

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References

• Kitploit
http://www.kitploit.com/2016/10/datasploit-tool-to-perform-various.html

• Kali Linux
https://www.kali.org/downloads/

• GitHub
https://github.com/DataSploit/datasploit/issues

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