


```
[recon-ng][default] > help

Commands (type [help|?] <topic>):
-----
back          Exits the current context
dashboard     Displays a summary of activity
db            Interfaces with the workspace's database
exit          Exits the framework
help          Displays this menu
index         Creates a module index (dev only)
keys          Manages third party resource credentials
marketplace   Interfaces with the module marketplace
modules       Interfaces with installed modules
options       Manages the current context options
pdb           Starts a Python Debugger session (dev only)
script        Records and executes command scripts
shell         Executes shell commands
show          Shows various framework items
snapshots     Manages workspace snapshots
spool         Spools output to a file
workspaces    Manages workspaces

[recon-ng][default] > marketplace install all
[*] Module installed: discovery/info_disclosure/cache_snoop
[*] Module installed: discovery/info_disclosure/interesting_files
[*] Module installed: exploitation/injection/command_injector
[*] Module installed: exploitation/injection/xpath_bruter
[*] Module installed: import/csv_file
[*] Module installed: import/list
[*] Module installed: import/masscan
[*] Module installed: import/nmap
[*] Module installed: recon/companies-contacts/bing_linkedin_cache
[*] Module installed: recon/companies-contacts/censys_email_address
[*] Module installed: recon/companies-contacts/pen
[*] Module installed: recon/companies-domains/censys_subdomains
[*] Module installed: recon/companies-domains/pen
```

```
[recon-ng][default] > modules search

Discovery
-----
discovery/info_disclosure/cache_snoop
discovery/info_disclosure/interesting_files

Exploitation
-----
README.license

exploitation/injection/command_injector
exploitation/injection/xpath_bruter

Import
-----
import/csv_file
import/list
import/masscan
import/nmap

Recon
-----
recon/companies-contacts/bing_linkedin_cache
recon/companies-contacts/pen
recon/companies-domains/pen
recon/companies-domains/viewdns_reverse_whois
recon/companies-domains/whoxy_dns
recon/companies-multi/github_miner
recon/companies-multi/shodan_org
recon/companies-multi/whois_miner
recon/contacts-contacts/abc
recon/contacts-contacts/mailtester
recon/contacts-contacts/mangle
recon/contacts-contacts/unmangle
recon/contacts-credentials/hibp_breach
recon/contacts-credentials/hibp_paste
```

```
recon/profiles-profiles/twitter_mentions
recon/profiles-repositories/github_repos
recon/repositories-profiles/github_commits
recon/repositories-vulnerabilities/gists_search
recon/repositories-vulnerabilities/github_dorks

Reporting
-----
README.rst
reporting/csv
reporting/html
reporting/json
reporting/list
reporting/proxifier
reporting/pushpin
reporting/xlsx
reporting/xml

[recon-ng][default] > workspaces
Manages workspaces

Usage: workspaces <create|list|load|remove> [...]

[recon-ng][default] > workspaces create CEH
[!] 'bing_api' key not set. bing_linkedin_cache module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/companies-contacts/censys_email_address' disabled. Dependency required: ''censys''.
[!] Module 'recon/companies-domains/censys_subdomains' disabled. Dependency required: ''censys''.
[!] 'whoxy_api' key not set. whoxy_dns module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/companies-hosts/censys_org' disabled. Dependency required: ''censys''.
[!] Module 'recon/companies-hosts/censys_tls_subjects' disabled. Dependency required: ''censys''.
[!] 'github_api' key not set. github_miner module will likely fail at runtime. See 'keys add'.
[!] 'shodan_api' key not set. shodan_org module will likely fail at runtime. See 'keys add'.
[!] 'hibp_api' key not set. hibp_breach module will likely fail at runtime. See 'keys add'.
```

```
[recon-ng][CEH] > workspaces list
+-----+
| Workspaces |      Modified      |
+-----+
| CEH t's Home | 2023-10-27 05:53:57 |
| default       | 2023-10-27 05:51:21 |
+-----+

[recon-ng][CEH] > db insert domains
domain (TEXT): certifiedhacker.com
notes (TEXT):
[*] 0 rows affected.
[recon-ng][CEH] > show domains
    Trash
+-----+
| rowid |      domain      |   notes   |   module   |
+-----+
| 1     | certifiedhacker.com | show domains | user_defined |
+-----+

[*] 1 rows returned
[recon-ng][CEH] > modules load brute
[*] Multiple modules match 'brute'.

Exploitation
-----
exploitation/injection/xpath_bruter

Recon
-----
recon/domains-domains/brute_suffix
recon/domains-hosts/brute_hosts
```

```
[recon-ng][CEH] > modules load recon/domains-hosts/brute_hosts
[recon-ng][CEH][brute_hosts] > run
-----
CERTIFIEDHACKER.COM
-----
[*] No Wildcard DNS entry found.
[*] 12.certifiedhacker.com => No record found.
[*] 1.certifiedhacker.com => No record found.
[*] 10.certifiedhacker.com => No record found.
[*] 01.certifiedhacker.com => No record found.
[*] 14.certifiedhacker.com => No record found.
[*] 03.certifiedhacker.com => No record found.
[*] 16.certifiedhacker.com => No record found.
[*] 15.certifiedhacker.com => No record found.
[*] 13.certifiedhacker.com => No record found.
[*] 0.certifiedhacker.com => No record found.
[*] 11.certifiedhacker.com => No record found.
[*] 2.certifiedhacker.com => No record found.
[*] 19.certifiedhacker.com => No record found.
[*] 3.certifiedhacker.com => No record found.
[*] 17.certifiedhacker.com => No record found.
[*] 3com.certifiedhacker.com => No record found.
[*] 20.certifiedhacker.com => No record found.
[*] 4.certifiedhacker.com => No record found.
[*] 02.certifiedhacker.com => No record found.
[*] 8.certifiedhacker.com => No record found.
[*] a.auth-ns.certifiedhacker.com => No record found.
[*] 5.certifiedhacker.com => No record found.
[*] 9.certifiedhacker.com => No record found.
[*] ILM1.certifiedhacker.com => No record found.
[*] 6.certifiedhacker.com => No record found.
[*] 7.certifiedhacker.com => No record found.
[*] 18.certifiedhacker.com => No record found.
```

```
[recon-ng][CEH] > modules load reverse_resolve
[*] Multiple modules match 'reverse_resolve'.
parrot's Home
Recon
-----
recon/hosts-hosts/reverse_resolve
recon/netblocks-hosts/reverse_resolve
README.license

[recon-ng][CEH] > modules load recon/hosts-hosts/reverse_resolve
[recon-ng][CEH][reverse_resolve] > run
[*] Country: None
[*] Host: box5331.bluehost.com
[*] Ip_Address: 162.241.216.11
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] -----
[*] 127.0.0.1 => No record found.

-----
SUMMARY
-----
[*] 1 total (1 new) hosts found.
```

```
README.license
[*] 17 rows returned
[recon-ng][CEH][reverse_resolve] > back
[recon-ng][CEH] > modules load reporting
[*] Multiple modules match 'reporting'.

Reporting
-----
reporting/csv
reporting/html
reporting/json
reporting/list
reporting/proxifier
reporting/pushpin
reporting/xlsx
reporting/xml

[recon-ng][CEH] > modules load reporting/html
[recon-ng][CEH][html] > options set FILENAME /root/Desktop/results.html
FILENAME => /root/Desktop/results.html
[recon-ng][CEH][html] > options set CREATOR Jason
CREATOR => Jason
[recon-ng][CEH][html] > options set CUSTOMER Certifiedhacker Networks
CUSTOMER => Certifiedhacker Networks
[recon-ng][CEH][html] > run
[*] Report generated at '/root/Desktop/results.html'.
[recon-ng][CEH][html] > █
```

```
[parrot@parrot]~$ sudo su
[sudo] password for parrot:
[parrot@parrot]~/home/parrot
#cd
[parrot@parrot]~#recon-ng
[!] 'bing_api' key not set. bing_linkedin_cache module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/companies-contacts/censys_email_address' disabled. Dependency required: ''censys''.
[!] Module 'recon/companies-domains/censys_subdomains' disabled. Dependency required: ''censys''.
[!] 'whoxy_api' key not set. whoxy_dns module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/companies-hosts/censys_org' disabled. Dependency required: ''censys''.
[!] Module 'recon/companies-hosts/censys_tls_subjects' disabled. Dependency required: ''censys''.
[!] 'github_api' key not set. github_miner module will likely fail at runtime. See 'keys add'.
[!] 'shodan_api' key not set. shodan_org module will likely fail at runtime. See 'keys add'.
[!] 'hibp_api' key not set. hibp_breach module will likely fail at runtime. See 'keys add'.
[!] 'hibp_api' key not set. hibp_paste module will likely fail at runtime. See 'keys add'.
[!] 'fullcontact_api' key not set. fullcontact module will likely fail at runtime. See 'keys add'.
[!] 'hashes_api' key not set. hashes_org module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/domains-companies/censys_companies' disabled. Dependency required: ''censys''.
[!] 'whoxy_api' key not set. whoxy_whois module will likely fail at runtime. See 'keys add'.
[!] 'hunter_io' key not set. hunter_io module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/domains-contacts/metacrawler' disabled. Dependency required: ''PyPDF3''.
[!] Module 'recon/domains-credentials/pwnedlist/account_creds' disabled. Dependency required: ''pyaes''.
[!] 'pwnedlist_api' key not set. api_usage module will likely fail at runtime. See 'keys add'.
[!] 'pwnedlist_secret' key not set. api_usage module will likely fail at runtime. See 'keys add'.
[!] Module 'recon/domains-credentials/pwnedlist/domain_creds' disabled. Dependency required: ''pyaes''.
[!] 'pwnedlist_api' key not set. domain_ispwned module will likely fail at runtime. See 'keys add'.
[!] 'pwnedlist_secret' key not set. domain_ispwned module will likely fail at runtime. See 'keys add'.
[!] 'pwnedlist_spf_header' key not set. looks_like module will likely fail at runtime. See 'keys add'.
```

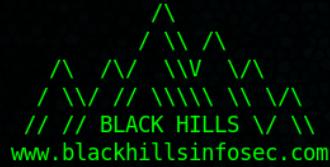
```
[!] 'google_api' key not set. pushpin module will likely fail at runtime. See 'keys add'.
[*] Version check disabled.
```



README.license

Sponsored by...

Trash



[recon-ng v5.1.2, Tim Tomes (@lanmaster53)]

```
[84] Recon modules
[14] Disabled modules
[8] Reporting modules
[4] Import modules
[2] Exploitation modules
[2] Discovery modules
```

```
[recon-ng][default] > workspaces create reconnaissance
[!] 'bing_api' key not set. bing_linkedin_cache module will likely fail at runtime. See 'keys add'
[!] Module 'recon/companies-contacts/censys_email_address' disabled. Dependency required: 'censys'
[!] Module 'recon/companies-domains/censys_subdomains' disabled. Dependency required: 'censys'.
[!] 'whoxy api' key not set. whoxy dns module will likely fail at runtime. See 'keys add'.
```

```
[recon-ng][reconnaissance] > modules load recon/domains-contacts/whois_pocs
[recon-ng][reconnaissance][whois_pocs] > info

    Name: Whois POC Harvester
    Author: Tim Tomes (@lanmaster53)
    Version: 1.0

Description:
    Uses the ARIN Whois RWS to harvest POC data from whois queries for the given domain. Updates the
    'contacts' table with the results.

    README,license

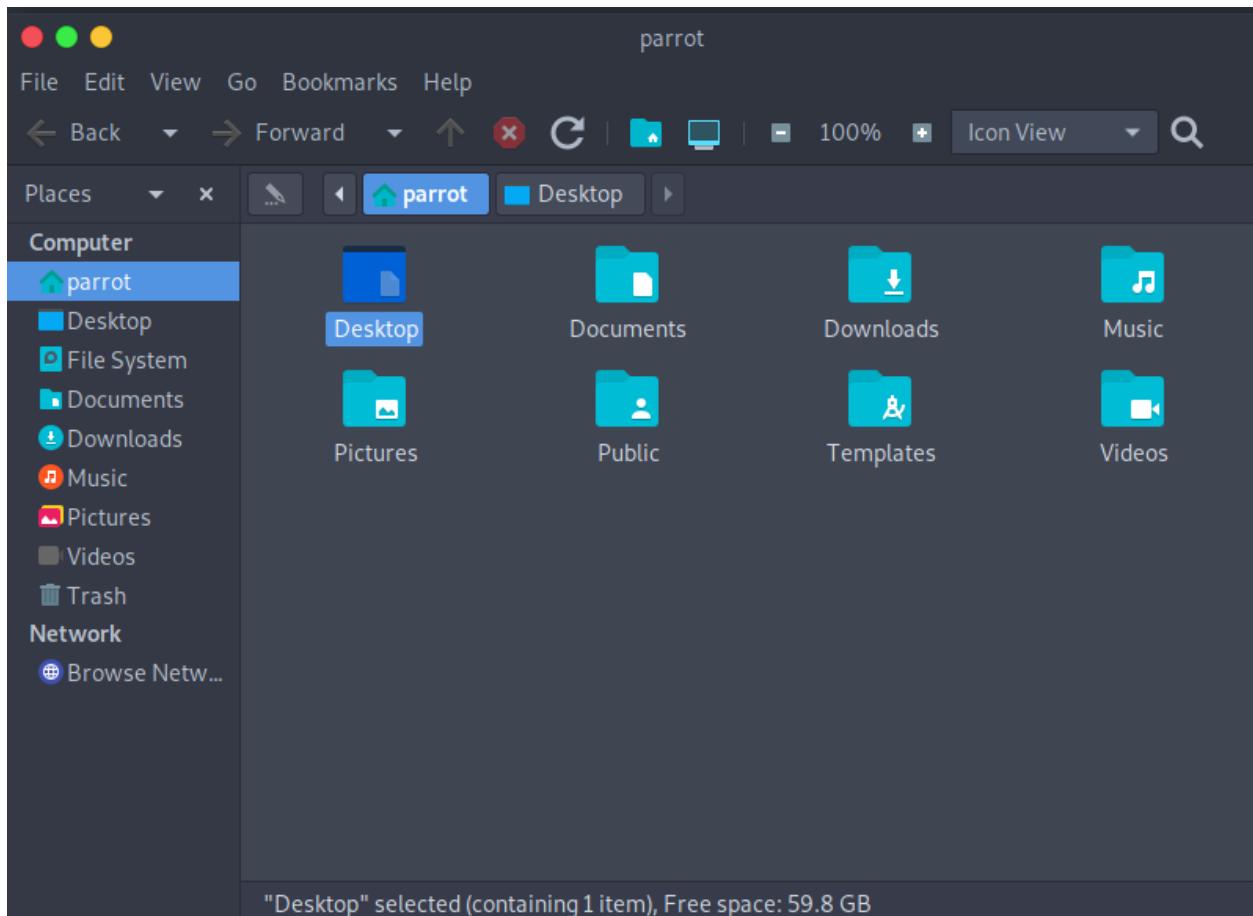
Options:
    Name      Current Value  Required  Description
    -----  -----
    SOURCE     default       yes        source of input (see 'info' for details)

Source Options:
    default      SELECT DISTINCT domain FROM domains WHERE domain IS NOT NULL
    <string>    string representing a single input
    <path>      path to a file containing a list of inputs
    query <sql>  database query returning one column of inputs

[recon-ng][reconnaissance][whois_pocs] > options set SOURCE facebook.com
SOURCE => facebook.com
[recon-ng][reconnaissance][whois_pocs] > run

-----
FACEBOOK.COM
-----
[*] URL: http://whois.arin.net/rest/pocs;domain=facebook.com
[*] URL: http://whois.arin.net/rest/poc/BST184-ARIN
[*] Country: United States
[*] Email: bstout@facebook.com
[*] First_Name: Brandon
[*] Last_Name: Stout
[*] Middle_Name: None
[*] Notes: None
```

```
[*] Country: United States
[*] Email: domain@facebook.com
[*] First_Name: None
[*] Last_Name: Operations
[*] Middle_Name: None
[*] Notes: None
[*] Phone: None
[*] Region: Menlo Park, CA
[*] Title: Whois contact
[*] -----
-----
SUMMARY Trash
-----
[*] 2 total (2 new) contacts found.
[recon-ng][reconnaissance][whois_pocs] > back
[recon-ng][reconnaissance] > modules load recon/profiles-profiles/namechk
[recon-ng][reconnaissance][namechk] > options set SOURCE MarkZuckerberg
SOURCE => MarkZuckerberg
[recon-ng][reconnaissance][namechk] > run
[!] HTTPSConnectionPool(host='api.namechk.com', port=443): Max retries exceeded with 0x7f70920b7c70>; Failed to establish a new connection: [Errno -2] Name or service
[!] Something broken? See https://github.com/lanmaster53/recon-ng/wiki/Troubleshooting
[recon-ng][reconnaissance][namechk] > back
[recon-ng][reconnaissance] > modules load recon/profiles-profiles/profiler
[recon-ng][reconnaissance][profiler] > options set SOURCE MarkZuckerberg
SOURCE => MarkZuckerberg
[recon-ng][reconnaissance][profiler] > run
[*] Retrieving url...
Looking Up Data For: Markzuckerberg
-----
[!] 'valid' (thread=Thread-1, object={'name': 'Mastodon-101010.pl', 'uri_check': 'g for isn\'t here.', 'm_code': 404, 'known': ['szekspir', 'xaphanpl'], 'cat': 'tech'})
[!] 'valid' (thread=Thread-2, object={'name': '1001mem', 'uri_check': 'http://1001mem.com'})
-----
code': 404, 'known': ['rezaghezi', 'hossssein'], 'cat': 'tech'})
[!] 'valid' (thread=Thread-8, object={'name': 'zhihu', 'uri_check': 'https://www.zhihu.com/people/zhihu', 'm_code': 400, 'known': ['lushnis', 'kan-shu-jiao-hua-shai-tai-yang'], 'cat': 'social'})
[recon-ng][reconnaissance][profiler] > back
[recon-ng][reconnaissance] > modules load reporting/html
[recon-ng][reconnaissance][html] > options set FILENAME /root/Desktop/Reconnaissance.html
FILENAME => /root/Desktop/Reconnaissance.html
[recon-ng][reconnaissance][html] > options set CREATOR Jason
CREATOR => Jason
[recon-ng][reconnaissance][html] > options set CUSTOMER Mark Zuckerberg
CUSTOMER => Mark Zuckerberg
[recon-ng][reconnaissance][html] > run
[*] Report generated at '/root/Desktop/Reconnaissance.html'.
[recon-ng][reconnaissance][html] > █
```



TASK 2: Footprinting a Target using OSRFramework

```
[parrot@parrot]~[~]
└─$ sudo su
[sudo] password for parrot:
[root@parrot]~[/home/parrot]
└─# cd ~
[root@parrot]~[~]
└─# git clone https://github.com/i3visio/osrframework
Cloning into 'osrframework'...
remote: Enumerating objects: 8192, done.
remote: Counting objects: 100% (104/104), done.
remote: Compressing objects: 100% (52/52), done.
remote: Total 8192 (delta 71), reused 73 (delta 52), pack-reused 8088
Receiving objects: 100% (8192/8192), 4.26 MiB | 1.02 MiB/s, done.
Resolving deltas: 100% (6681/6681), done.
[root@parrot]~[~]
└─# pip3 install osrframework
ERROR: Introspect error on :1.1:/modules/kwalletd5: dbus.exceptions.DBusException: org.freedesktop.DBus.Error.ServiceUnknown: Keyring is skipped due to an exception: Failed to open keyring: org.freedesktop.DBus.Error.ServiceUnknown
Collecting osrframework
  Downloading osrframework-0.20.5.tar.gz (203 kB)
    |██████████| 203 kB 338 kB/s
Collecting bs4
  Downloading bs4-0.0.1.tar.gz (1.1 kB)
Collecting cfscrape
  Downloading cfscrape-2.1.1-py3-none-any.whl (12 kB)
Requirement already satisfied: colorama in /usr/lib/python3/dist-packages (from osrframework) (0.4.4)
Collecting configparser
  Downloading configparser-6.0.0-py3-none-any.whl (19 kB)
Requirement already satisfied: decorator in /usr/lib/python3/dist-packages (from osrframework) (4.4.2)
Collecting duckpy
  Downloading duckpy-3.2.0-py3-none-any.whl (5.0 kB)
Requirement already satisfied: networkx in /usr/lib/python3/dist-packages (from osrframework) (2.5)
Requirement already satisfied: oauthlib>=1.0.0 in /usr/lib/python3/dist-packages (from osrframework) (3.1.0)
Collecting pyexcel==0.2.1
  Downloading pyexcel-0.2.1.zip (63 kB)
    |██████████| 63 kB 467 kB/s
Collecting pyexcel==0.2.1
```

```
ikipedia_pt', 'wikipedia_ru', 'winamp', 'wishlistr', 'witty', 'wykop', 'xing', 'zentyal', 'zotero
[x]--[root@parrot]--[~]
└─#domainfy.py -n eccouncil -t all
```

parrot's Home

README license

Trash

OSRFramework 0.20.5

```

/   \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \  / \
|   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |
`---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---`  `---` 
parrot's Home

Coded with ❤ by Yaiza Rubio & Félix Brezo

[REDACTED] README -- Use 'alias_generator' to create aliases based on known info. --
[REDACTED] Domainfy | Copyright (C) Yaiza Rubio & Félix Brezo (i3visio) 2014-2021
[REDACTED] Trash
This program comes with ABSOLUTELY NO WARRANTY. This is free software, and you
are welcome to redistribute it under certain conditions. For additional info,
visit <https://www.gnu.org/licenses/agpl-3.0.txt>.

2023-11-02 18:16:17.410465      Trying to get information about 869 domain(s)...

Note that a full '-t all' search may take around 3.5 mins. If that's too
long for you, try narrowing the search using '-t cc' or similar arguments.
Otherwise, just wait and keep calm!

Press <Ctrl + C> to stop...

2023-11-02 18:16:43.336646      25 results obtained:

Sheet Name: Objects recovered (2023-11-2_18h16m).
+-----+-----+
| com.i3visio.Domain | com.i3visio.IPv4 |
+=====+=====
| eccouncil.org       | 104.18.8.180    |
+-----+-----+
| eccouncil.com       | 104.18.22.3     |
+-----+-----+

```

```
| eccouncil.info      | 208.91.197.27   |
+---+Parrot-----+-----+
| eccouncil.training | 208.91.197.27   |
+---+-----+-----+
| eccouncil.xyz      | 3.64.163.50    |
+---+-----+-----+
| eccouncil.tel      | 52.50.143.27   |
+---+-----+-----+
| eccouncil.exposed  | 208.91.197.27   |
+---+-----+-----+
| eccouncil.biz      | 3.33.130.190   |
+---+-----+-----+
| eccouncil.yokohama | 13.127.247.216 |
+-----+-----+-----+
Trash
2023-11-02 18:16:43.386632      You can find all the information collected in the following file
./profiles.csv

2023-11-02 18:16:43.386670      Finishing execution...

Total time used:      0:00:25.976205
Average seconds/query: 0.029892065592635214 seconds

Did something go wrong? Is a platform reporting false positives? Do you need to
integrate a new one and you don't know how to start? Then, you can always place
an issue in the Github project:
https://github.com/i3visio/osrframework/issues
Note that otherwise, we won't know about it!

[root@parrot]~#
[root@parrot]~#searchfy.py -n eccouncil -t all
usage: searchfy (--license | -q <searches> [<searches> ...]) [-e <sum_ext> [<sum_ext> ...]] [-f
           [-w] [-x <platform> [<platform> ...]] [-h] [--version]
searchfy: error: one of the arguments --license -q/--queries is required
[x]~#
```

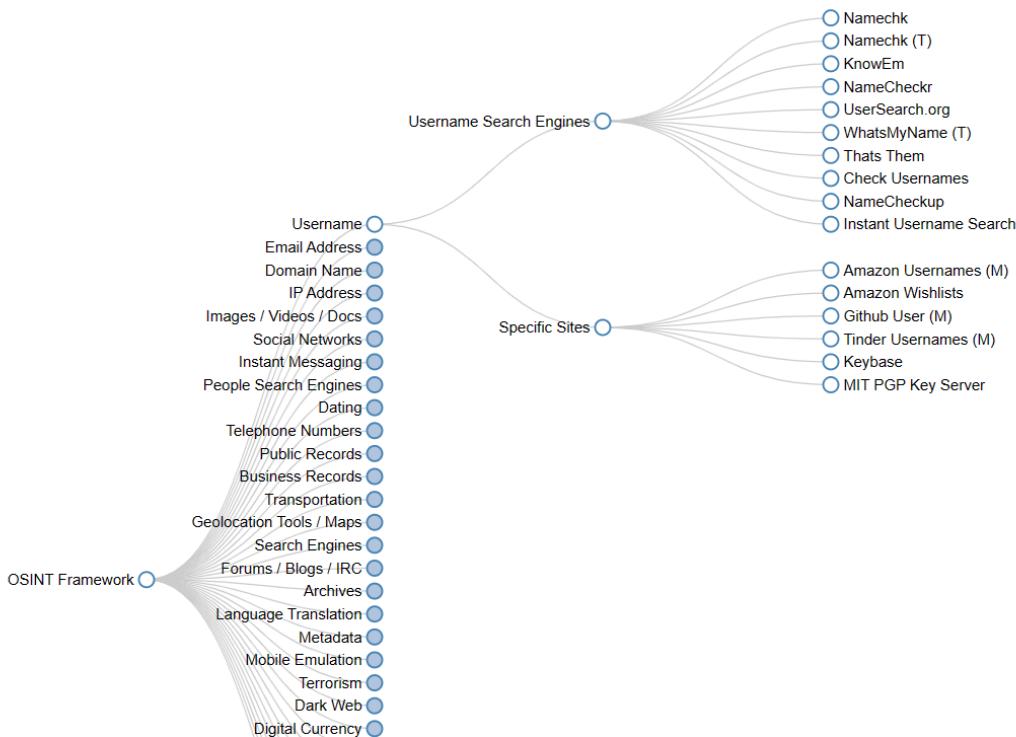
TASK 2: Footprinting a Target using OSINTFramework

OSINT Framework

(T) - Indicates a link to a tool that must be installed and run locally
 (D) - Google Dork, for more information: [Google Hacking](#)
 (R) - Requires registration
 (M) - Indicates a URL that contains the search term and the URL itself must be edited manually



OSINT Framework



CHECK OVER 30 DOMAINS AND MORE THAN 90 SOCIAL MEDIA ACCOUNTS

Search



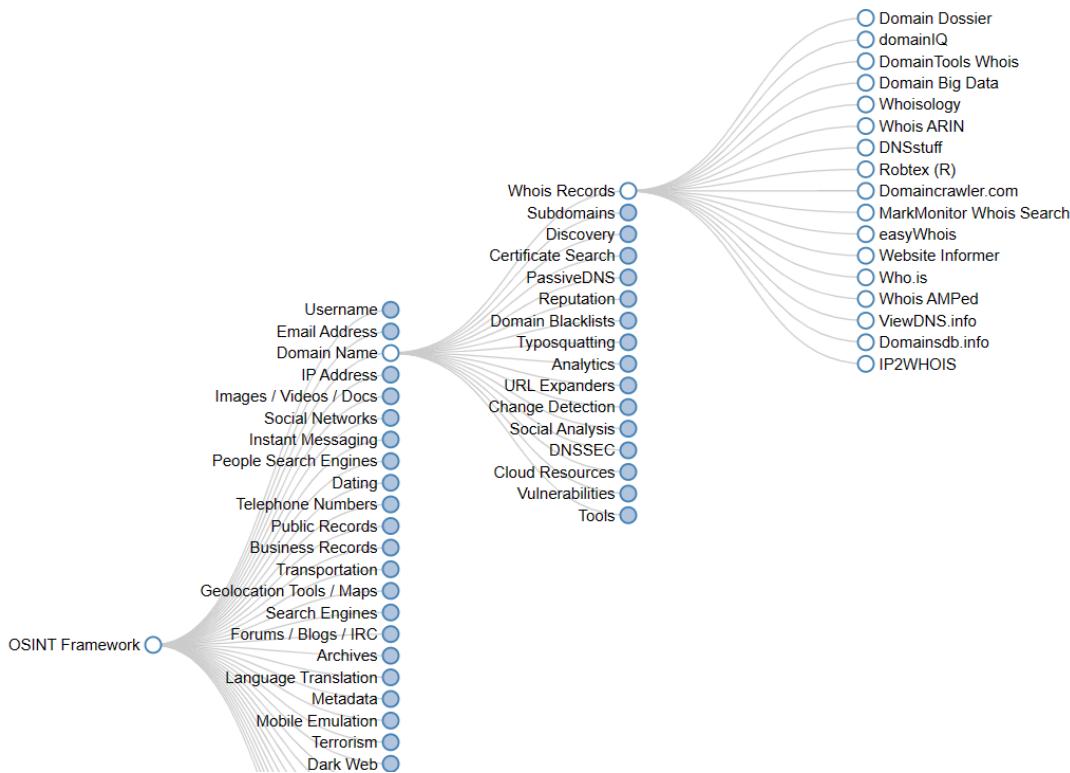
I'm not a robot



reCAPTCHA

Privacy · Terms

OSINT Framework



Domain Dossier Investigate domains and IP addresses

domain or IP address

domain whois record DNS records traceroute
 network whois record service scan

user: anonymous [106.210.244.23]
balance: 50 units
[log in](#) | [account info](#)

CentralOps.net

About Domain Dossier

The Domain Dossier tool generates **reports from public records** about domain names and IP addresses to help solve problems, investigate cybercrime, or just better understand how things are set up. These reports may show you:

- Owner's contact information
- Registrar and registry information
- The company that is hosting a Web site
- Where an IP address is geographically located
- What type of server is at the address
- The upstream networks of a site
- and much more

Domain Dossier normally gets records from their original sources *at the time you request them*, but it does keep copies in memory for up to 24 hours. Thus, if someone has already requested a particular Dossier, the records shown *could be up to a day old*.

Contents

- [Entering an address](#)
- [Address lookup](#)

