Theharvester

`version: 4.8.2 arch: all`

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Tool Documentation:

theharvester Usage Example

Search from email addresses from a domain (`-d kali.org`), limiting the results to 500 (`-l 500`), using DuckDuckGo (`-b duckduckgo`):

~~~
root@kali:~# theHarvester -d kali.org -l 500 -b duckduckgo
*******************************************************************
*  _   _                                            _             *
* | |_| |__   ___    /\  /\__ _ _ ____   _____  ___| |_ ___ _ __  *
* | __|  _ \ / _ \  / /_/ / _` | '__\ \ / / _ \/ __| __/ _ \ '__| *
* | |_| | | |  __/ / __  / (_| | |   \ V /  __/\__ \ ||  __/ |    *
*  \__|_| |_|\___| \/ /_/ \__,_|_|    \_/ \___||___/\__\___|_|    *
*                                                                 *
* theHarvester 4.4.3                                              *
* Coded by Christian Martorella                                   *
* Edge-Security Research                                          *
* cmartorella@edge-security.com                                   *
*                                                                 *
*******************************************************************

[*] Target: kali.org

[*] Searching Duckduckgo.

[*] No IPs found.

[*] No emails found.

[*] Hosts found: 14
---------------------
[...]

```console
~~~

Packages and Binaries:

theharvester

The package contains a tool for gathering subdomain names, e-mail addresses, virtual hosts, open ports/ banners, and employee names from different public sources (search engines, pgp key servers).

Installed size: `1.94 MB`
How to install: `sudo apt install theharvester`

Dependencies:

- kali-defaults
- python3-aiodns
- python3-aiohttp
- python3-aiosqlite
- python3-censys
- python3-dateutil
- python3-fastapi
- python3-netaddr
- python3-requests
- python3-shodan
- python3-starlette
- python3-uvicorn
- python3-yaml
- python3
- python3-aiofiles
- python3-aiomultiprocess
- python3-bs4
- python3-certifi
- python3-dnspython
- python3-lxml
- python3-playwright
- python3-retrying
- python3-slowapi
- python3-ujson
- python3-uvloop

restfulHarvest

```
root@kali:~# restfulHarvest -h
usage: restfulHarvest [-h] [-H HOST] [-p PORT] [-l LOG_LEVEL] [-r]

options:
  -h, --help            show this help message and exit
  -H, --host HOST       IP address to listen on default is 127.0.0.1
  -p, --port PORT       Port to bind the web server to, default is 5000
  -l, --log-level LOG_LEVEL
                        Set logging level, default is info but
                        [critical|error|warning|info|debug|trace] can be
  -r, --reload          Enable automatic reload used during development o
                        api
```

theHarvester

```
root@kali:~# theHarvester -h
Read proxies.yaml from /etc/theHarvester/proxies.yaml
*******************************************************************
*  _   _                                            _             *
* | |_| |__   ___    /\  /\__ _ _ ____   _____  ___| |_ ___ _ __  *
* | __|  _ \ / _ \  / /_/ / _` | '__\ \ / / _ \/ __| __/ _ \ '__| *
* | |_| | | |  __/ / __  / (_| | |   \ V /  __/\__ \ ||  __/ |    *
*  \__|_| |_|\___| \/ /_/ \__,_|_|    \_/ \___||___/\__\___|_|    *
*                                                                 *
* theHarvester 4.8.2                                              *
* Coded by Christian Martorella                                   *
* Edge-Security Research                                          *
* cmartorella@edge-security.com                                   *
*                                                                 *
*******************************************************************
usage: theHarvester [-h] -d DOMAIN [-l LIMIT] [-S START] [-p] [-s]
                    [--screenshot SCREENSHOT] [-v] [-e DNS_SERVER] [-t]
                    [-r [DNS_RESOLVE]] [-n] [-c] [-f FILENAME] [-w WORD
                    [-a] [-q] [-b SOURCE]

theHarvester is used to gather open source intelligence (OSINT) on a co
or domain.

options:
  -h, --help            show this help message and exit
  -d, --domain DOMAIN   Company name or domain to search.
  -l, --limit LIMIT     Limit the number of search results, default=500
  -S, --start START     Start with result number X, default=0.
  -p, --proxies         Use proxies for requests, enter proxies in
                        proxies.yaml.
  -s, --shodan          Use Shodan to query discovered hosts.
  --screenshot SCREENSHOT
                        Take screenshots of resolved domains specify ou
                        directory: --screenshot output_directory
  -v, --virtual-host    Verify host name via DNS resolution and search
                        virtual hosts.
  -e, --dns-server DNS_SERVER
                        DNS server to use for lookup.
  -t, --take-over       Check for takeovers.
  -r, --dns-resolve [DNS_RESOLVE]
```

theharvester

```
root@kali:~# theharvester -h
┌─(Message from Kali developers)
│
│ The command theharvester is deprecated. Please use theHarvester instea
│
└─
```

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Want to learn more about theharvester? get access to in-depth training and hands-on labs:

- PEN-200: 12.1.1. Client-side Attacks: Information Gathering
- MITRE ATT&CK - Resource Development (TA0042): 2.1.2. Client-side Attacks: Client Fingerprinting
- SEC-100: 19.1.2. Information Gathering and Enumeration: Client Fingerprinting

PEN-200 course

SEC-100 course

Updated on: 2025-Aug-26

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