

SpiderFoot

Information Security Inc.



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About SpiderFoot

 SpiderFoot is an open source intelligence automation tool. Its goal is to automate the process of gathering intelligence about a given target, which may be an IP address, domain name, hostname or network subnet





What can I do with SpiderFoot?

 The data returned from a SpiderFoot scan will reveal a lot of information about your target, providing insight into possible data leaks, vulnerabilities or other sensitive information that can be leveraged during a penetration test, red team exercise or for threat intelligence



Install SpiderFoot

Install dependencies

```
# pip install lxml netaddr M2Crypto cherrypy mako requests bs4
equirement already satisfied: lxml in /usr/local/lib/python2.7/dist-packages
Requirement already satisfied: netaddr in /usr/lib/python2.7/dist-packages
Requirement already satisfied: M2Crypto in /usr/lib/python2.7/dist-packages
Collecting cherrypy
Downloading CherryPy-14.0.0-py2.py3-none-any.whl (430kB)
   100% 1
                                          440kB 2.1MB/s
Requirement already satisfied: make in /usr/lib/python2.7/dist-packages
Requirement already satisfied: requests in /usr/local/lib/python2.7/dist-packages
Requirement already satisfied: bs4 in /usr/local/lib/python2.7/dist-packages
Collecting portend>=2.1.1 (from cherrypy)
Downloading portend-2.2-py2.py3-none-any.whl
collecting cheroot>=5.9.1 (from cherrypy)
 Downloading cheroot-6.0.0-py2.py3-none-any.whl (61kB)
   100% |
                                        | 71kB 4.1MB/s
equirement already satisfied: six>=1.11.0 in /usr/lib/python2.7/dist-packages (from cherrypy)
Requirement already satisfied: certifi>=2017.4.17 in /usr/lib/python2.7/dist-packages (from requests)
Requirement already satisfied: chardet<3.1.0,>=3.0.2 in /usr/lib/python2.7/dist-packages (from requests)
Requirement already satisfied: urllib3<1.22,>=1.21.1 in /usr/local/lib/python2.7/dist-packages (from requests)
Requirement already satisfied: idna<2.6,>=2.5 in /usr/local/lib/python2.7/dist-packages (from requests)
Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python2.7/dist-packages (from bs4)
Collecting tempora>=1.8 (from portend>=2.1.1->cherrypy)
Downloading tempora-1.10-py2.py3-none-any.whl
Collecting more-itertools>=2.6 (from cheroot>=5.9.1->cherrypy)
Downloading more itertools-4.1.0-py2-none-any.whl (47kB)
                                         | 51kB 4.9MB/s
equirement already satisfied: pytz in /usr/local/lib/python2.7/dist-packages (from tempora>=1.8->portend>=2.1.1->c
Installing collected packages: tempora, portend, more-itertools, cheroot, cherrypy
Successfully installed cheroot-6.0.0 cherrypy-14.0.0 more-itertools-4.1.0 portend-2.2 tempora-1.10
```



Install SpiderFoot

Clone the GitHub repository

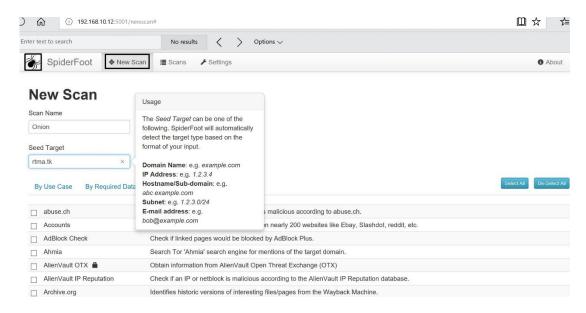
```
# git clone https://github.com/smicallef/spiderfoot.git
Cloning into 'spiderfoot'...
remote: Counting objects: 5369, done.
remote: Total 5369 (delta 0), reused 0 (delta 0), pack-reused 5369
Receiving objects: 100% (5369/5369), 5.76 MiB | 1.41 MiB/s, done.
Resolving deltas: 100% (3818/3818), done.
```



Run SpiderFoot



Run a New Scan, scan using Tor "Onion City" search engine





• Run a New Scan, scan using Tor "Onion City" search engine

SpiderFoot • New Scan	■ Scans Settings
McAfee SiteAdvisor	Check if a host/domain is malicious according to McAfee SiteAdvisor.
multiproxy.org Open Proxies	Check if an IP is an open proxy according to multiproxy.org' open proxy list.
Name Extractor	Attempt to identify human names in fetched content.
Nothink.org	Check if a host/domain, netblock or IP is malicious according to Nothink.org.
Onion.city	Search Tor 'Onion City' search engine for mentions of the target domain.
Open Bug Bounty	Check external vulnerability scanning/reporting service openbugbounty.org to see if the target is listed.
Page Info	Obtain information about web pages (do they take passwords, do they contain forms, etc.)
PasteBin	PasteBin scraping (via Google) to identify related content.
Pastie.org	Pastie.org scraping (via Google) to identify related content.
PGP Key Look-up	Look up e-mail addresses in PGP public key servers.
PhishTank	Check if a host/domain is malicious according to PhishTank.
Phone Numbers	Identify phone numbers in scraped webpages.
Port Scanner - TCP	Scans for commonly open TCP ports on Internet-facing systems.
Psbdmp.com	Check psbdmp.cc (PasteBin Dump) for potentially hacked e-mails and domains.



• Run a New Scan, scan using Tor "Onion City" search engine

	Identify edits to Wikipedia articles made from a given IP address or username.
□ XForce Exchange ■	Obtain information from IBM X-Force Exchange
☐ Yahoo	Some light Yahoo scraping to identify sub-domains and links.
Zone-H Defacement Check	Check if a hostname/domain appears on the zone-h.org 'special defacements' RSS feed.



Note: Scan will be started immediately.

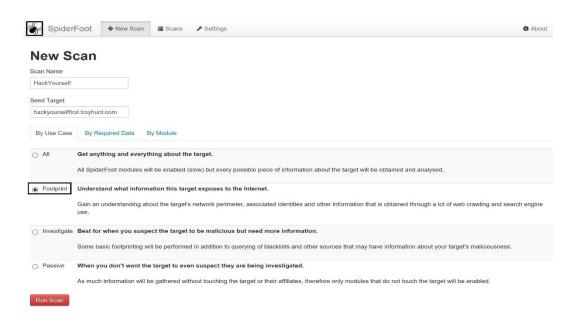


Scan Results





Footprint Scan



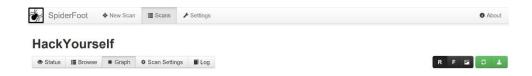


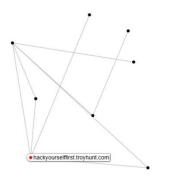
Footprint Scan





Footprint Scan => Domains, subdomains Graph

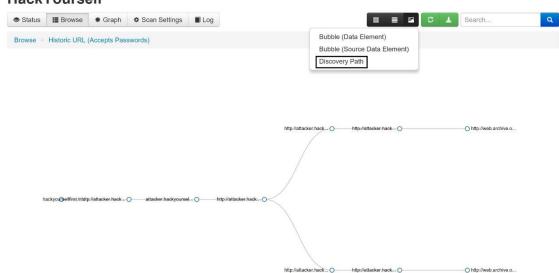






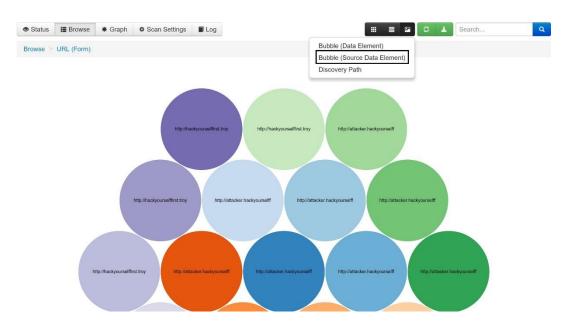
Visualize Discovery Path

HackYourself





Visualize Bubble (Source Data Element)





Browse > URL (Accepts Passwords)

HackYourself Status Browse ★ Graph Scan Settings URL (Accepts Passwords Source ☐ Data Element Source Data Element Module Identified http://attacker.hackyourselffirst.troyhunt.com/Account/Logi http://attacker.hackyourselffirst.troyhunt.com/Account/Logi sfp_page 2018-02-09 1 info 8:05:46 http://attacker.hackyourselffirst.troyhunt.com/Account/Regi http://attacker.hackyourselffirst.troyhunt.com/Account/Regi sfp page 2018-02-09 1 ster info 8:04:18 http://attacker.hackyourselffirst.troyhunt.com/bundles/jque http://attacker.hackyourselffirst.troyhunt.com/bundles/jque sfp_page 2018-02-09 1 ryval?v=k09SZjRLUEvNZbFlwaT1hsJ0t0ngQHk32HeNdumCbRM1 ryval?v=k09SZjRLUEvNZbFlwaT1hsJ0t0ngQHk32HeNdumCbRM1 info 8:06:04 http://hackyourselffirst.troyhunt.com/Account/Login http://hackyourselffirst.troyhunt.com/Account/Login sfp_page 2018-02-09 1 info 8:11:13 http://hackyourselffirst.troyhunt.com/Account/Register http://hackyourselffirst.troyhunt.com/Account/Register sfp_page 2018-02-09 1 info 8:10:47



References

- SpiderFoot
 http://www.spiderfoot.net/index.html
- Github <u>https://github.com/smicallef/spiderfoot</u>
- SpiderFoot documentation
 http://www.spiderfoot.net/documentation/

