

# OSINT Tools for diving deep into the Dark Web

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- Security Researcher, Threat Intel/Hunting
- Cybersecurity @ Georgia Tech (Go Jackets)



- Hobbies
  - Hiking 
  - Lockpicking 



**CYBRARY**

cybercademy

**STATIONX**



- Social
  - Twitter - @ASG\_Sc0rpi0n
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# Agenda

- Introduction to the Dark Web
- Why focusing on the Dark Web?
- Search engine tools for the Dark Web
- Tools to get onion links from the Dark Web
- Tools to scan onion links
- Tools to scrape data from the Dark Web
- Tools to create data collection architecture
- Conclusion



# 1. Introduction to the Dark Web

# Clear Web? Deep Web? Dark Web?

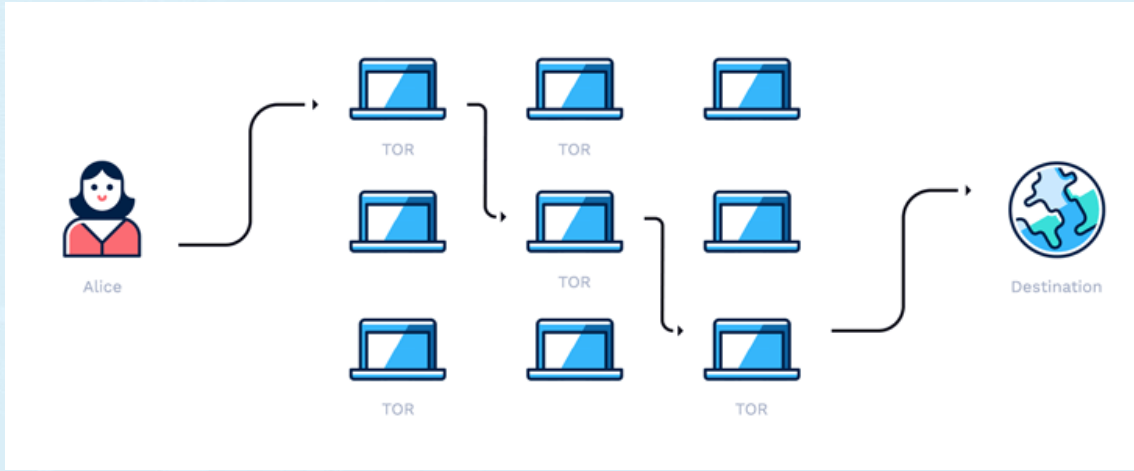
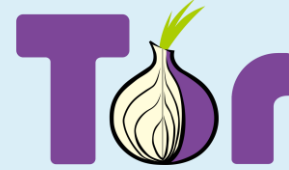


UC San Diego Library

Image Source: UC San Diego Library

# Accessing the Dark Web

- Tor /I2P/ZeroNet
- .onion domains/.i2p domains
- Traffic through relays





# Product/Services Examples



**USA FRESH CREATED BANK OF AMERICA BANK DROP + EMAIL ACCESS + PHONE ACCESS + DEBIT CARD + COOKIES**  
 -ALLOW 1-5 DAYS FOR DELIVERY UPON ORDERING YOU WILL RECEIVE

Sold by **MasterSplinter0** - 20 sold since March 22, 2020 Vendor Level 1


Product Class	Features	Origin Country
Quantity Left	Digital	Ships to
Ends In	Unlimited	Payment
	Never	

Default - 4 days - USD + 0.00 / order

Purchase price: **USD 90.00**

Qty: 1 Buy Now Buy Now Queue

0.009610 BTC / 1.389318 XMR



**NordVPN.com - [LIFETIME NORDVPN PREMIUM ACCOUNT]**  
 Website: <https://nordvpn.com> Imagine VPN as a hack-proof, encrypted tunnel for online traffic to flow. Nobody can see thr...

Sold by **MissPinky** - 95 sold since December 11, 2019 Vendor Level 4 Trust level 4

Unlimited items available for auto-dispatch

Product Class	Features
Quantity Left	Digital
Ends In	Unlimited
	Never

Private Message - 1 days - USD + 0.00 / order

Purchase price: **USD 9.99**

Qty: 1 Buy Now Buy Now

0.001067 BTC / 0.229919 LTC / 0.154214 XMR

Product	Price	Quantity
Lithuanian Passport	1350 EUR = 0.15780 B	1 X <span>Buy now</span>
Netherlands Passport	1500 EUR = 0.17533 B	1 X <span>Buy now</span>
Denmark Passport	1500 EUR = 0.17533 B	1 X <span>Buy now</span>
		1 X <span>Buy now</span>
		1 X <span>Buy now</span>

## Rent-A-Hacker

Experienced hacker offering his services (Illegal) Hacking and social engineering. I'm really good at hacking and I made a lot of money. I have worked for other people before.



**USA Bank login Cracker Bruter**  
 banks: brutelcheck 2020...guys here is all bank bruter, its really easy to use all u need is a good combo list and proxies

Sold by **TheCashier** - 3 sold since April 28, 2020 Vendor Level 1 Trust level 2

Unlimited items available for auto-dispatch

Product Class	Features
Quantity Left	Digital
Ends In	Unlimited
	Never

default - 1 day - USD + 0.00

Purchase price: **USD 3.00**

Qty: 1 Buy Now Buy Now

0.000319 BTC / 0.068368 LTC / 0.045537 XMR

**VISA Virtual Card**

Valid only for use in the United states



DEBIT GIFT


**VISA**  
 Visa® Virtual Account

Account Number: 4000 1234 5678 9010 | Good Thru: 12/23

\$500 Virtual card: \$250 | \$1500 Virtual card: \$730  
 \$750 Virtual card: \$375 | \$2000 Virtual card: \$880  
 \$1000 Virtual card: \$490 | \$2500 Virtual card: \$1050

**Virtual MasterCard (USD)**

Valid Worldwide, All the World



PREPAID

5362 0588 8888 8888

Cardholder: 0000

Price: \$500 Giftcard: \$280 | \$1500 Giftcard: \$730  
 \$750 Giftcard: \$390 | \$1750 Giftcard: \$850  
 \$1000 Giftcard: \$500 | \$2000 Giftcard: \$950

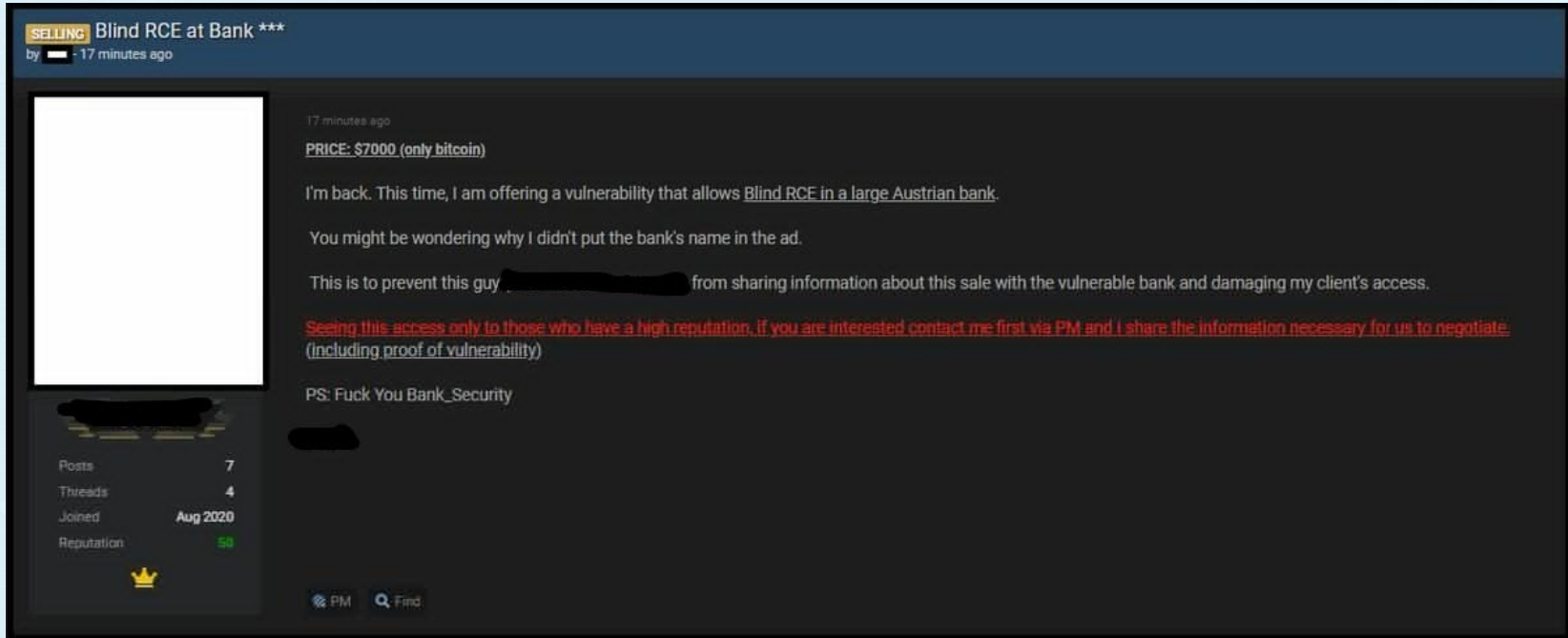
## 2. Why focusing on the Dark Web?

# Why So Serious (Eh! Important)?

- Hacker forums, darknet markets, dump shops, etc.
- Criminals can learn, monetize, trade, and communicate
- Identification of compromised assets
- Can potentially identify attacks in earlier stages
- Direct impacts – PII (Personal Info), financial, EHRs (healthcare records), trade secrets
- Indirect impacts – reputation, revenue loss, legal penalties



# Why you should care?



**SELLING** Blind RCE at Bank \*\*\*  
by [redacted] - 17 minutes ago

17 minutes ago  
**PRICE: \$7000 (only bitcoin)**

I'm back. This time, I am offering a vulnerability that allows Blind RCE in a large Austrian bank.

You might be wondering why I didn't put the bank's name in the ad.

This is to prevent this guy [redacted] from sharing information about this sale with the vulnerable bank and damaging my client's access.

Seeing this access only to those who have a high reputation, if you are interested contact me first via PM and I share the information necessary for us to negotiate. (including proof of vulnerability)

PS: Fuck You Bank\_Security  
[redacted]

Posts 7  
Threads 4  
Joined Aug 2020  
Reputation 58

PM Find

# Why you should care?

## H USA Hospital RDP For Sale - Больница США RDP на продажу

September 4 in Auctions



Posted September 4 (edited)



Paid registration

1

68 posts

Joined

Activity

вирусология / malware

Selling RDP of a US Hospital.

On the RDP has a lot of patient records and also active software client which shows full medical records of patients etc.

I have no use for this topic. You will receive login information of the RDP in one hand.

Willing to work through escrow/guarantor (buyer pays fees)

Start: \$ 500

Step: \$ 100

Blitz: \$ 5000

Auction is valid only for 24hours!

=====

Продам РДП больницы США.

На RDP есть много записей пациентов, а также активный программный клиент, который показывает полные медицинские карты пациентов и т. Д.

Мне эта тема не нужна. Вы получите данные для входа в RDP в одни руки.

Готовность работать через эскроу / поручителя (комиссию оплачивает покупатель)

Старт: \$ 500

Шаг: \$ 100

Блиц: \$ 5000

Аукцион действителен только 24 часа!



+ Quote

# 3. Search engine tools for the Dark Web

# Tools

- Katana
- OnionSearch
- Ahmia Search Engine
- DarkSearch



# AHMIA

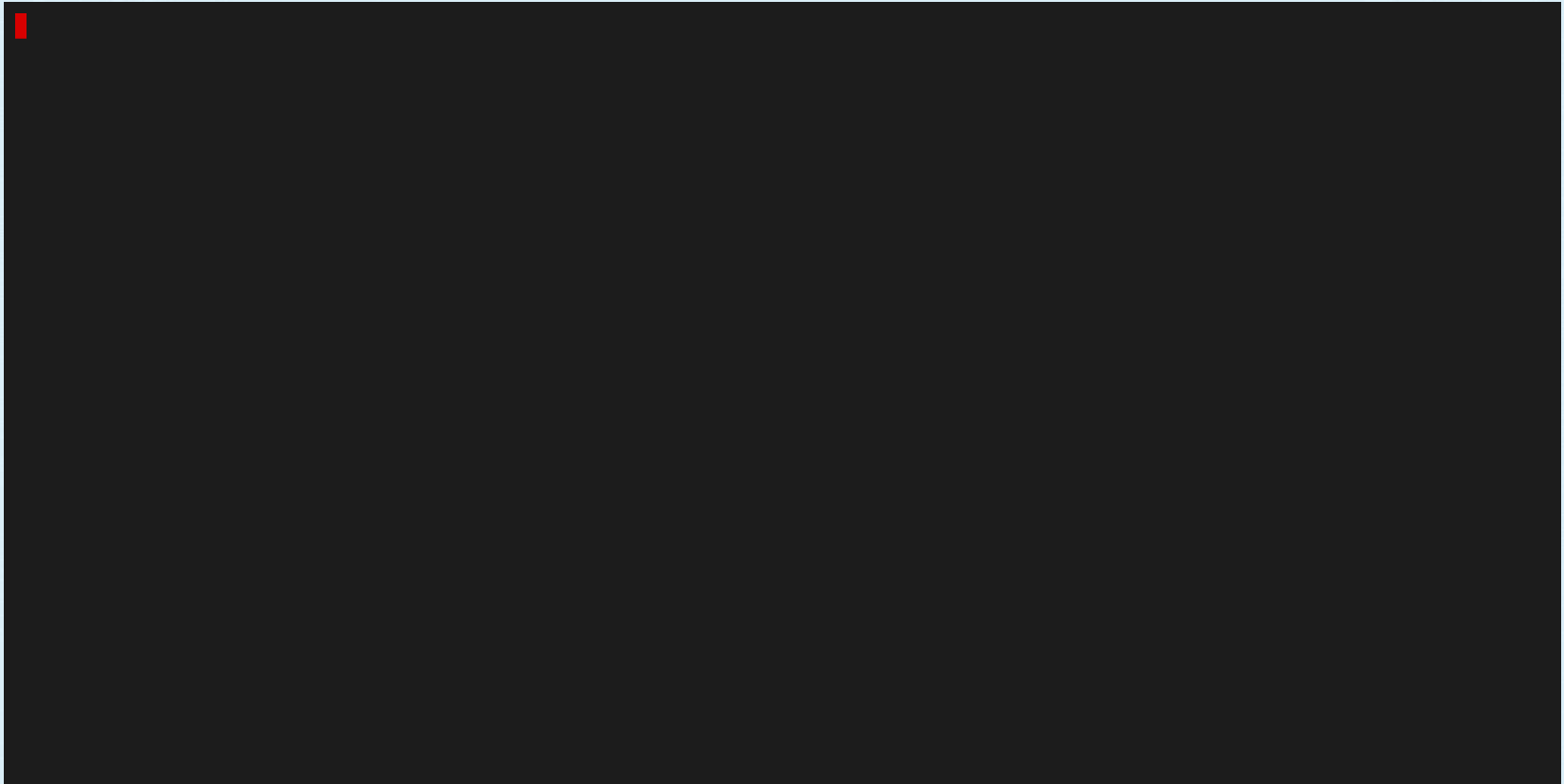
*Tor Anonymity Network Search Engine*



# Katana



# OnionSearch



# OnionSearch (Contd.)



Ahmia — Search Tor Hidden Services — x +

ahmia.fi

About Ahmia Statistics Add Service I2p search Contact Blacklist

AHMIA.FI - MSYDQSTLZ2KZERDG.ONION

## AHMIA

Ahmia searches hidden services on the Tor network. To access these hidden services, you need the [Tor browser bundle](#). Abuse material is not allowed on Ahmia. See our [service blacklist](#) and report abuse material if you find it in the index. It will be removed as soon as possible.

For more about Ahmia, see [indexing information](#), [contribute to the source code](#),  
The Tor Project  
Onion service: [msydstlz2kzerdg.onion](https://msydstlz2kzerdg.onion)

# DarkSearch

The screenshot shows a web browser window with the following content:

- Browser Tab:** DarkSearch - The 1st Dark Web
- Address Bar:** darksearch.io
- Notification:** DarkSearch v1 has just been published (05/09/2019)! Objectives, features, [discover what makes us different!](#)
- Header:** DarkSearch logo (a triangle with a left-pointing arrow) and the text "DarkSearch".
- Text:** "The 1st real Dark Web search engine\*"
- Search Bar:** A white input field with the placeholder text "Search".
- Search Button:** A grey button labeled "SEARCH".
- Text:** "Discover how to make advanced requests ([dorks](#))"
- Text:** "NEW: Our Tor address is here! ([darkschn4w/2ttxpv2y2uoxwks2padb56l3h4wqztre6upoc5qvgld.onion](#))"
- Footer:** "\* according to us :p"

# 4. Tools to get onion links from the Dark Web

# Tools

- Hunchly
- H-Indexer



# Hunchly

AutoSave On | HiddenServices - Excel | Search | Gautam, Apurv Singh | Share | Comments

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles Cells Editing Analysis Sensitivity

A1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Last Contacted	Hidden Service	Language	HTTP Stati	Last Up	Title										
2	2021-01-09 23:59:18	epynixtboxn4odv3424eqnlamnpuwfz6uwmsamcqdn	N/A	503	2020-02-17 19:53:39											
3	2021-01-09 10:06:19	9de135hfdvb961eefl.onion	N/A	503	Never											
4	2021-01-09 09:34:59	pegnetighusrp7nanuvncn5nt2vt65hhs6uaumdmt225	N/A	503	2020-10-15 21:11:06											
5	2021-01-09 23:28:42	deepdotweb35wvmeydd5.onion	N/A	503	Never											
6	2021-01-09 15:39:27	chanyucosmacristas.onion	N/A	503	Never											
7	2021-01-09 20:44:14	teamkden.crackedacctcon.onion	N/A	503	Never											
8	2021-01-09 05:12:42	hacker5quf443wtg4n7hi6m3k4xpcyasknjvhhrb6pcbga	N/A	503	2020-12-26 12:46:54											
9	2021-01-09 17:39:24	youdonefuckedupnow.onion	N/A	503	Never											
10	2021-01-09 21:38:13	amazingd6g5tge7y.onionwikitorcjoweruxu.onion	N/A	503	Never											
11	2021-01-09 21:30:01	paoyu7gub72lykuk.onion	N/A	503	2021-01-08 22:55:56											
12	2021-01-09 10:35:00	wfffw5frtp5it4xk.onion	N/A	503	2021-01-06 13:58:27											
13	2021-01-09 19:07:32	wbhkfwps2n33wde6lw3ki4njkfie5ricqgfjsh6r6mlxc	N/A	503	2020-04-01 23:19:20											
14	2021-01-09 10:39:36	prismsigadonepointone.onion	N/A	503	Never											
15	2021-01-09 17:09:42	6ofd3x4uhed5xqb4.onion	N/A	503	Never											
16	2021-01-09 04:06:37	adduser.3wz27p5b5mc7ubsjjnz40xvqupjeoywzwdxf	N/A	503	Never											
17	2021-01-09 11:02:59	shadow57kjdjyx.onion	en	502	2019-07-11 00:21:24	502 - No server or forwarder data received (Privoxy@localhost)										
18	2021-01-09 15:06:34	rama.mayonaise.cabbage.tomatoes.onion	N/A	503	Never											
19	2021-01-09 09:31:14	3ubv4ppfed4o5kavu5uadp2rsjimm2lj2x4jbwkktwzbh	N/A	503	2019-04-23 12:20:21											
20	2021-01-09 11:55:41	xmwgk3hp7yme6jmlqpszsiz376oysjnjrlrvzyadjtr54zyl2	N/A	503	2020-04-04 13:21:57											
21	2021-01-09 21:21:17	qodvl3evhcmffavuzasokl6stmqinybau2iskn4y2k7pkw	N/A	503	2019-08-01 14:11:44											
22	2021-01-09 22:50:04	raymoll3svsudwh7vxvuaajagocofwps25nq67zylibaew	N/A	503	2020-10-16 20:02:14											
23	2021-01-09 12:01:03	bk4vfkf2fazxhs3pvgtd4rggqx4puaej7hcrsalkufulprk2	N/A	503	2020-10-28 05:34:21											
24	2021-01-09 15:31:32	bv4saxizmqmtqpz55bdsxlle2brm46kx7gvnneh7qgs26	N/A	503	2019-06-25 23:23:25											
25	2021-01-09 09:22:01	zml6g6tdenfzcvazvmawksn7kzgdctlep72u44ktgjdj5p	N/A	503	2020-09-22 10:55:01											
26	2021-01-09 20:29:09	sgeva4jy3ssklpd2ksyvnzvegi3khy3x75qhyz4ogs5zn	N/A	503	2019-04-22 02:43:56											
27	2021-01-09 13:56:17	aqjsj4ljeleq6kxb54l2bbwxlr7zsoe2xnemawt43msq7	N/A	503	2019-09-12 08:30:09											
28	2021-01-09 20:03:11	jafojztdzgj07qcwq7wdip6elt3vedt3iy3yzuds6xhpd	N/A	503	2020-03-23 19:41:20											
29	2021-01-09 16:32:35	27ZdJ54621eanrcxidfrance.onion	N/A	503	Never											
30	2021-01-09 16:14:38	smndqengabhaisv6j3jg3wbvfhds4vtad4nvpvgkj46nl	N/A	503	Never											
31	2021-01-09 16:04:40	Rjkgbtindukcunbincrtkctoy4dhkxct7oncdzcnk64dv	N/A	503	Never											
32	2021-01-09 16:22:51	yjvt6hhwvaf44bgzpqbg4rllrus6u375mgkmf3ma6tyjf	N/A	503	2019-04-23 00:49:07											
33	2021-01-09 21:45:29	asfjasifadisisfoasfcp.onion	N/A	503	Never											
34	2021-01-09 09:54:56	vy4ch3gie3sr6526t3u2ptb5hw7ynkrlnfdm6oq43ar37	N/A	503	2020-11-19 02:37:36											
35	2021-01-09 20:55:17	ukranian-services.onion	N/A	503	Never											
36	2021-01-09 19:28:53	4nst65mv6z3abojfj5wtit66lyxrrrtsqzuiberhzkwkr	N/A	503	2019-06-04 10:35:12											
37	2021-01-09 16:01:07	qxabu76bzgu5f6jw7mx56lwmk5znxntz5e4v2bfylwu	N/A	503	2019-04-22 20:29:29											
38	2021-01-09 22:07:08	zphbuaiqlb5bbhy4bpk56gbxzyhab6tobvcxjircxy4tvt	N/A	503	Never											

« » | New Today | Down | Up | 100%

# H-Indexer

"Last Contacted"	"Hidden Service"	Language	"HTTP Status"	Title
"2021-01-23 13:48:57"	iwggyx6qv3b2twpwtynhi2sfvgnby2albbcotcysd5f7obrlwdbkyd.onion	en	200	"DrChronic - Weed straight from the source."
"2021-01-23 12:12:26"	x57cqsirjuhgxwvx.onion	en	200	"Onion Dir - Adult"
"2021-01-23 19:42:36"	vi2capght3xueg3z.onion	en	200	"Tor Digger"
"2021-01-23 09:45:11"	ohnhsuercp2uscpl.onion	en	200	"Onion Dir - Adult"
"2021-01-23 22:32:29"	p4gcaja32uq4zivi.onion	en	200	"Tor Digger"
"2021-01-23 07:49:38"	4zv23jyh4mt4mcjw.onion	en	200	"Onion Dir - Adult"
"2021-01-23 14:35:58"	rbharaeljjwmft73.onion	en	200	"Home Page - Defend WikiLeaks Defend WikiLeaks"
"2021-01-23 23:47:01"	iofj2mgrcywhz63j.onion	en	200	"Tor Digger"
"2021-01-23 16:42:47"	hlsf2cw74ydhcg6f.onion	en	200	"Premium Music Codes"
"2021-01-23 11:31:05"	gcf42ph6vjzfmuez.onion	en	200	"Onion Dir - Adult"
"2021-01-23 19:08:58"	jjek2rxz5upj6bsi.onion	en	200	"Tor Digger"
"2021-01-23 20:28:51"	iyfyeqrwpjjgcxzp.onion	en	200	"Tor Digger"
"2021-01-23 22:23:42"	stolensamebkp5ny.onion	en	200	"Tor Digger"
"2021-01-23 20:54:18"	iopx5pchfdldldwp.onion	en	200	
"2021-01-23 01:16:11"	ypzo35v3hfb7vpnd.onion	en	200	"Onion Dir - Adult"
"2021-01-23 23:31:26"	yiy4ksveqrax675y.onion	en	200	"Tor Digger"
"2021-01-23 21:51:18"	3polsotgarff7lxx.onion	en	200	"Tor Digger"
"2021-01-23 10:38:15"	fc4booz5wmoq3knc63gf4sn7oisz45sc7zxtlgnqkeqb2pvzqow6yddd.onion	en	200	"Log in"
"2021-01-23 14:15:53"	rospravovkdvaobr.onion	ru	200	"Суды адвокаты и судебные решения - все здесь 100+ миллионов решений - РосПравосудие"
"2021-01-23 14:41:28"	wallet777hk6x7ac.onion	en	200	Wallet777

# 5. Tools to scan onion links

# Tools

- OnionScan
- Onioff
- Onion-nmap



# Onionscan



# Onioff



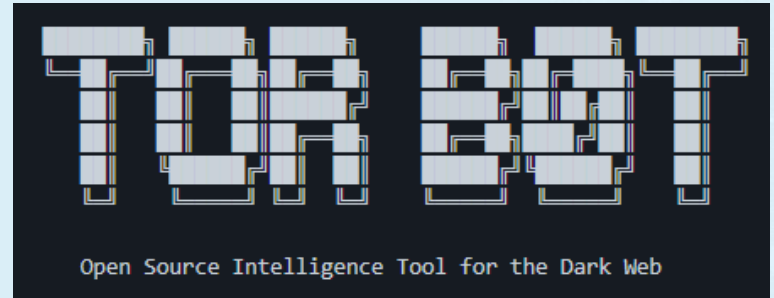
# Onion-nmap



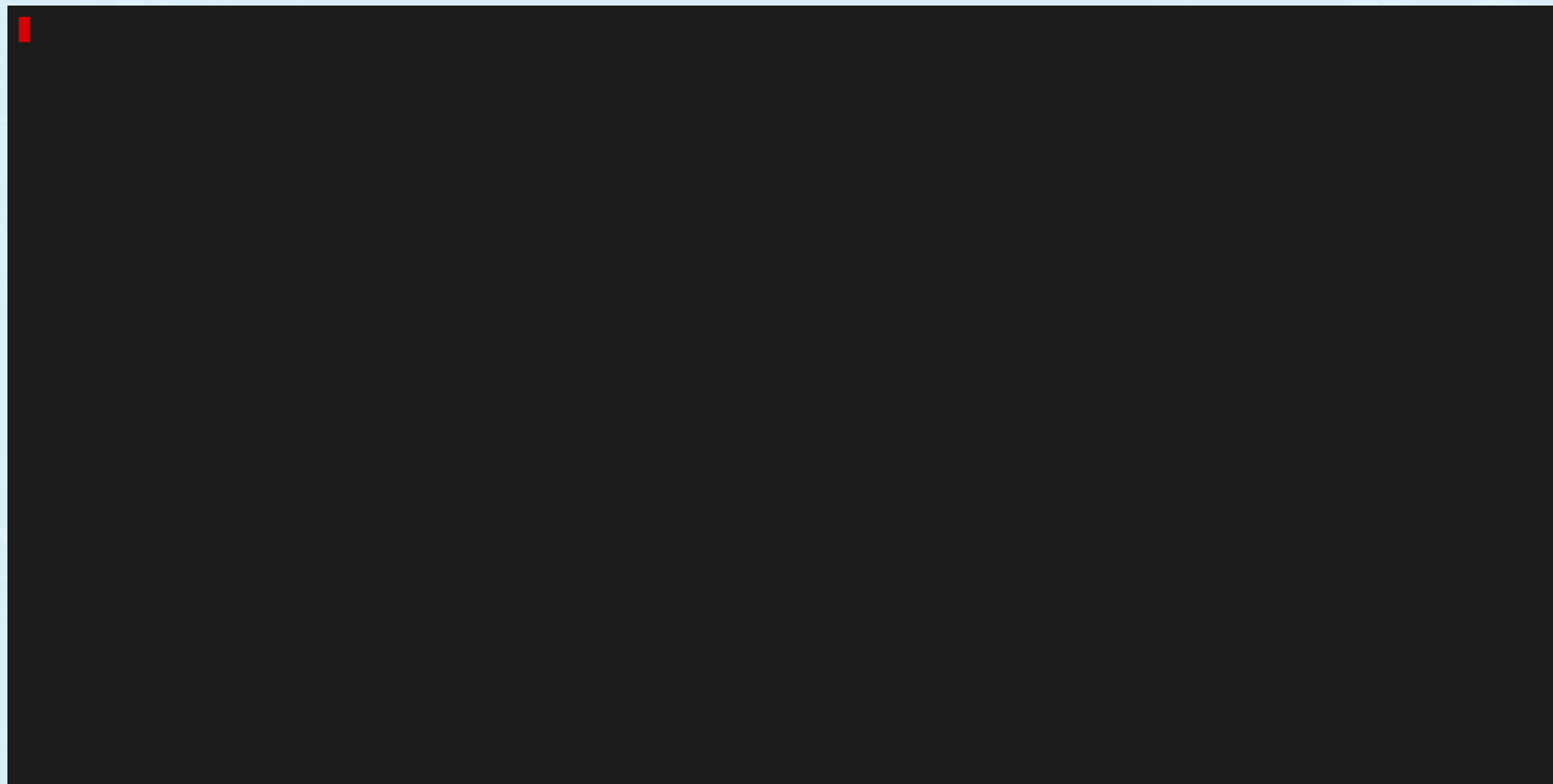
# 6. Tools to scrape data from the Dark Web

# Tools

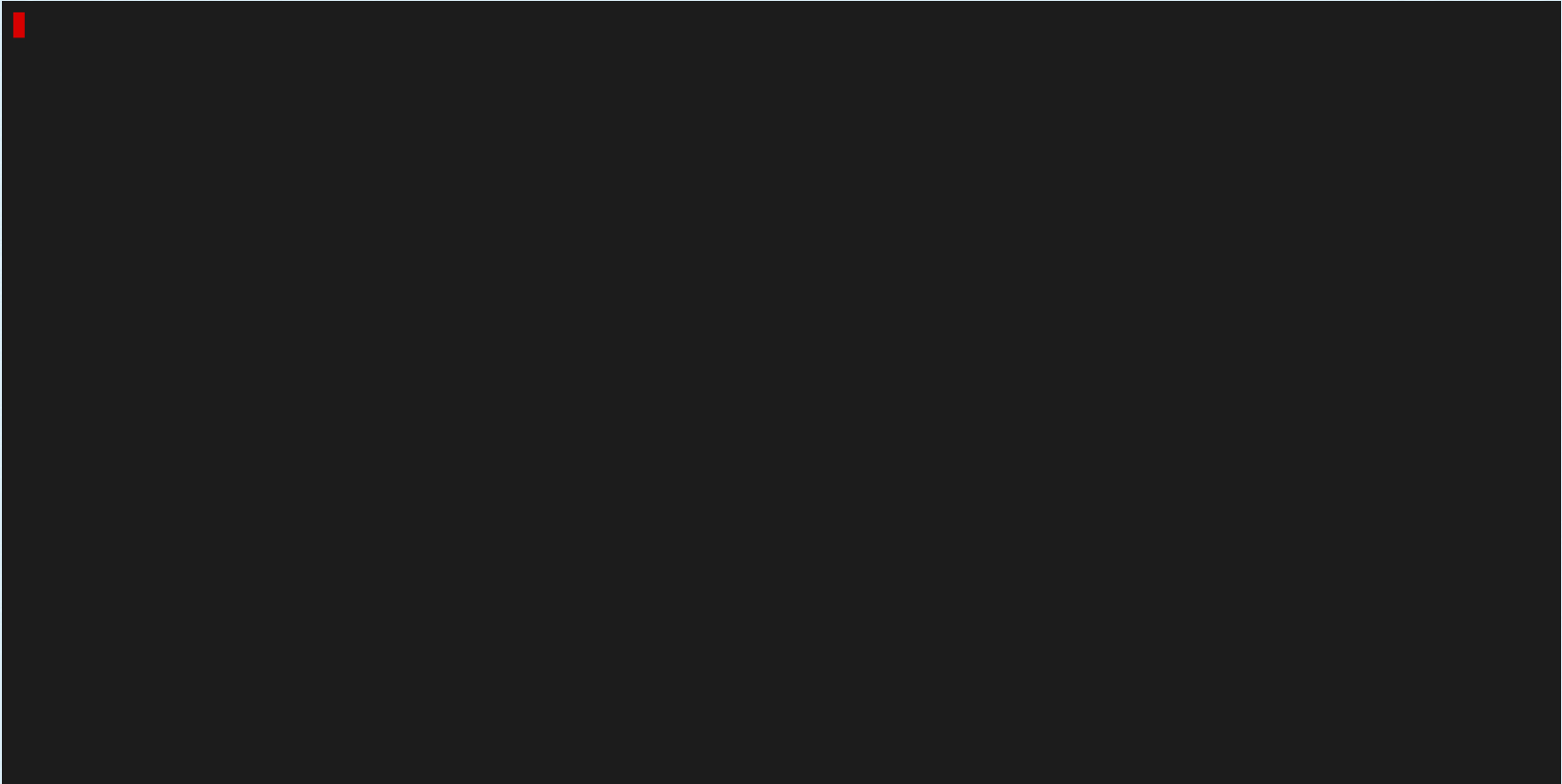
- TorBot
- TorCrawl
- OnionIngestor



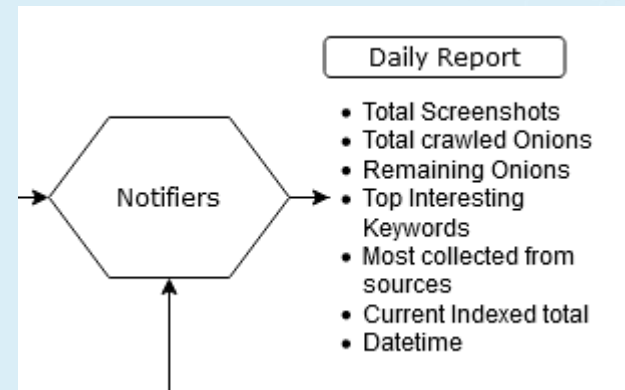
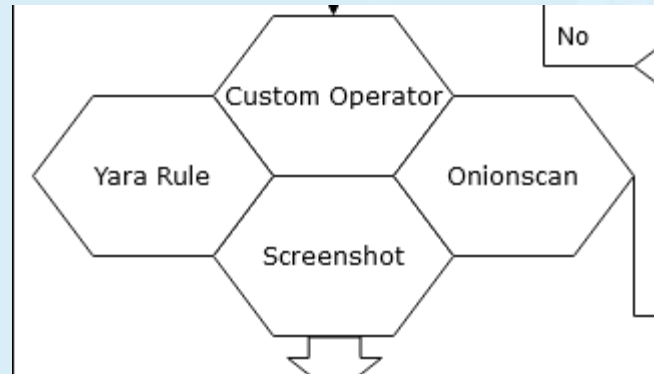
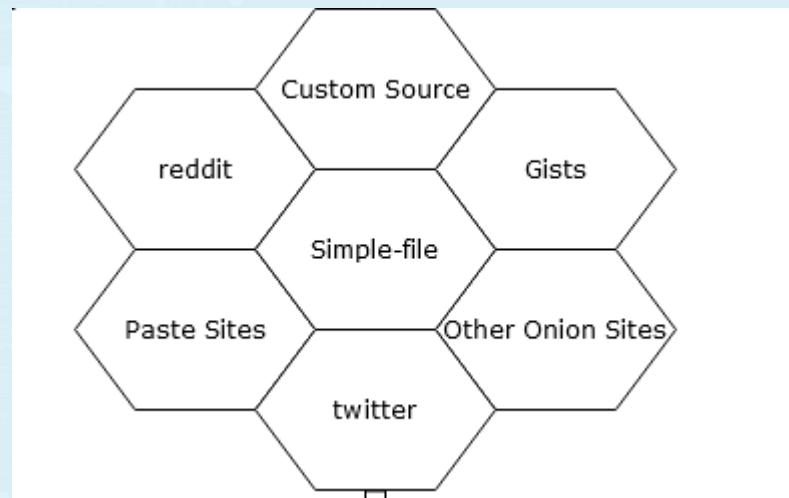
# TorBot



# TorCrawl



# OnionIngestor



# OnionIngestor (Contd.)

HiddenSite  
[le7pkt4ghz62ncvl2dirxjoaixekjd2ivh5g  
 jdae3qs7igm2t5vpbad.onion](#)  
 Source : simple-text-file  
 Monitor : False  
 Status : online

Blueteam Dark Web  
 HiddenSite  
[lchudify75on6rql.onion](#)  
 Source : simple-text-file  
 Monitor : False  
 Status : offline

Blueteam Dark Web  
 HiddenSite  
[e3qs7igm2t5vpbad.onion](#)  
 Source : crawled  
 Monitor : False  
 Status : offline

HiddenSite  
[le7pkt4ghz62ncvl2dirxjoaixekjd2ivh5g  
 jdae3qs7igm2t5vpbad.onion](#)  
 Source : simple-text-file  
 Monitor : False  
 Status : online

Blueteam Dark Web  
 HiddenSite  
[lchudify75on6rql.onion](#)

**total indexed**

# 6,920

Indexed Hidden Sites

**HTML status**

## 752

blocked - Hidden Sites

## 388

success - Hidden Sites

**top 5 Interesting keywords**

## 174

rss - Count

## 171

xml - Count

## 165

feed - Count

## 121

blog - Count

## 65

Blog - Count

**Top Interesting Keywords Timeline** Jul 7, 2020 @ 15:23:49.398 to now

**Blacklisted Keywords**

32.055%

22.502%

16.342%

14.896%

14.205%

# OnionIngestor (Contd.)

Discover New Save Open Share Inspect

Search KQL Dec 27, 2020 @ 22:38:39.871 → now Refresh

**onioningestor** 993 hits  
Dec 27, 2020 @ 22:38:39.871 - Jan 17, 2021 @ 22:53:46.089 Auto

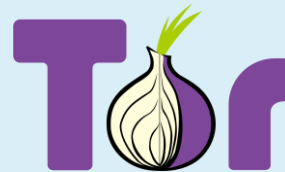
**Time** \_source

Time	_source
> Jan 17, 2021 @ 13:25:07.360	<code>hiddenService: le7pkt4ghz62ncv12d1rlxjoaixekjd2ivh5gjdæ3qs7igm2t5vpbad.onion source: simple-text-file type: domain status: offline monitor: false denylist: dateFound: Jan 17, 2021 @ 13:25:07.360 operators.simple-html.status: failed operators.simple-html.content: - operators.onionscan-go.status: success operators.onionscan-go.content.dateScanned: Jan 17, 2021 @ 13:23:30.531 operators.onionscan-go.content.online: false operators.onionscan-go.content.performedScans: web, tls, ssh, irc, ricochet, ftp, smtp, mongod, vnc, xmpp, bitcoin, bitcoin_test, litecoin, dogecoin operators.onionscan-go.content.webDetected: false operators.onionscan-go.content.tlsDetected: false operators.onionscan-go.content.sshDetected: false operators.onionscan-go.content.ricochetDetected: false operators.onionscan-go.content.ircDetected: false operators.onionscan-go.content.ftpDetected: false operators.onionscan-go.content.smtpDetected: false operators.onionscan-go.content.mongodDetected: false operators.onionscan-go.content.vncDetected: false operators.onionscan-go.content.xmppDetected: false operators.onionscan-go.content.bitcoinDetected: false operators.onionscan-go.content.litecoinDetected: false operators.onionscan-go.content.dogecoinDetected: false</code>
> Jan 17, 2021 @ 13:22:32.586	<code>hiddenService: lchudify75on6rql.onion source: simple-text-file type: domain status: offline monitor: false denylist: dateFound: Jan 17, 2021 @ 13:22:32.586 operators.simple-html.status: failed operators.simple-html.content: - operators.onionscan-go.status: success operators.onionscan-go.content.dateScanned: Jan 17, 2021 @ 13:18:32.502 operators.onionscan-go.content.online: false operators.onionscan-go.content.performedScans: web, tls operators.onionscan-go.content.webDetected: false operators.onionscan-go.content.tlsDetected: false operators.onionscan-go.content.sshDetected: false operators.onionscan-go.content.ricochetDetected: false operators.onionscan-go.content.ircDetected: false operators.onionscan-go.content.ftpDetected: false operators.onionscan-go.content.smtpDetected: false operators.onionscan-go.content.mongodDetected: false operators.onionscan-go.content.vncDetected: false operators.onionscan-go.content.xmppDetected: false operators.onionscan-go.content.bitcoinDetected: false operators.onionscan-go.content.litecoinDetected: false operators.onionscan-go.content.dogecoinDetected: false</code>
> Jan 17, 2021 @ 13:12:01.524	<code>hiddenService: le7pkt4ghz62ncv12d1rlxjoaixekjd2ivh5gjdæ3qs7igm2t5vpbad.onion source: simple-text-file type: domain status: offline monitor: false denylist: dateFound: Jan 17, 2021 @ 13:12:01.524 operators.simple-html.status: failed operators.simple-html.content: - operators.onionscan-go.status: success operators.onionscan-go.content.dateScanned: Jan 17, 2021 @ 13:09:59.922 operators.onionscan-go.content.online: false operators.onionscan-go.content.performedScans: web, tls, ssh, irc, ricochet, ftp, smtp, mongod, vnc, xmpp, bitcoin, bitcoin_test operators.onionscan-go.content.webDetected: false operators.onionscan-go.content.tlsDetected: false operators.onionscan-go.content.sshDetected: false operators.onionscan-go.content.ricochetDetected: false operators.onionscan-go.content.ircDetected: false operators.onionscan-go.content.ftpDetected: false operators.onionscan-go.content.smtpDetected: false operators.onionscan-go.content.mongodDetected: false operators.onionscan-go.content.vncDetected: false operators.onionscan-go.content.xmppDetected: false operators.onionscan-go.content.bitcoinDetected: false operators.onionscan-go.content.litecoinDetected: false operators.onionscan-go.content.dogecoinDetected: false</code>
> Jan 17, 2021 @ 13:08:44.833	<code>hiddenService: lchudify75on6rql.onion source: simple-text-file type: domain status: offline monitor: false denylist: dateFound: Jan 17, 2021 @ 13:08:44.833 operators.simple-html.status: failed operators.simple-html.content: - operators.onionscan-go.status: success operators.onionscan-go.content.dateScanned: Jan 17, 2021 @ 13:04:44.754</code>

# 7. Tools to create data collection architecture

# Tools

- Scrapy
- Tor
- OnionScan
- Privoxy
- Elastic
- Redis
- and many more...



# 8. Conclusion

# What we discussed so far?

- Little about the Dark Web
- Dark Web forums/marketplaces
- OSINT tools (search engine, onion links, scan onions, crawl onions)
- Tools to create your own data collection architecture

# Tips for getting started in this..

- Figure out your assets/motives
- Try searching for keywords in dark web search engines
- Analyze the results
- Try using other tools to scan and crawl the data
- Create your own tools if needed
- Do this on a monthly basis with different keywords
- Report to your team through intelligence briefing

# Resources

- OSINT Framework - <https://osintframework.com/>
- OSINT Combine Dark Web Searching - <https://www.osintcombine.com/post/dark-web-searching>
- Jake Creps Blog - <https://jakecreps.com/2019/05/16/osint-tools-for-the-dark-web/>
- Blogs & White papers by Recorded Future
- White papers by IntSights
- Blogs by Palo Alto's Unit 42
- White papers by Digital Shadows
- Automating Threat Hunting on the Dark Web and other nitty-gritty things talk by Apurv Singh Gautam
- Ambly the Smart Darknet Spider talk by Cytisus Eurydice (@levitannin)

# Thanks!

## Any questions?

You can contact me at:

Twitter: @ASG\_Sc0rpi0n

LinkedIn: /in/apurvsinghgautam

GitHub Repo: <https://github.com/apurvsinghgautam/dark-web-osint-tools>

