

CHAPTER SEVEN

DARK WEB SEARCH FOR YOUR OSINT STRATEGY

Are You Tracking For Information Leaks About The Dark Internet?

When it's your job to protect people and resources, the Dark Internet (or even Darknet) is a significant area to browse. Dark net Information is an essential component for safety and threat intelligence, along with the staff at Echosec have assembled a tool to look for it. Beacon is your OSINT tool which delivers structured dark net data. With Beacon, you're able to quickly sift through the rubble and surface the data that matters to your company.

The Issue With Dark Internet Data

Darknet information Isn't Hard to get , but It's very Hard to search. Since the dark net is non- indexed, the material inside it's disorganized, which makes it hard to expose anything special. Searching the dark net with no ideal OSINT instrument is time consuming to say the least.

The Option - A Dark Search Engine

Beacon is a totally indexed dark net tool that ingests heaps of resources Including sites, code repositories, and databases. Constructed from the engineers in Echosec, a pioneer in data discovery, Beacon is your newest way to locate crucial intelligence on the shadowy net.

Contrary to Echosec, Beacon hunts for files, instead of real-time information. This historic perspective provides users a comprehensive eye-line to the hidden information of the dark net. This makes Beacon a valuable companion

to the Echosec platform.

Beacon is unique since it uses natural language processing (NLP) to extract web statistics. NLP enables the instrument to extract things from the material. Entities include matters like individuals, locations, organizations, telephone numbers, and social security numbers.

Through extracting and indexing information, Beacon constructs an inner Knowledge chart. This permits you to adhere to a thing across distinct domains, social networking, and other sites across the internet.

What Can You Do With This Info?

With organized dark net data, users may make inferences about a thing and its use throughout the net. As an instance, it is possible to locate an email address and follow the use of the email address around networks.

This capability is particularly beneficial for a use case such as brand protection. Analysts can conduct a search to their new on the dark net and expose any harmful details. Stolen email addresses, violated NDAs, categorized info, and counterfeit products are simply the tip of this iceberg.

Executive security professionals may search for leaked info related to their clientele. The information they find can vary from hacked email, leaked passwords, or login info from societal profiles.

WHY Dark Internet Data Topics

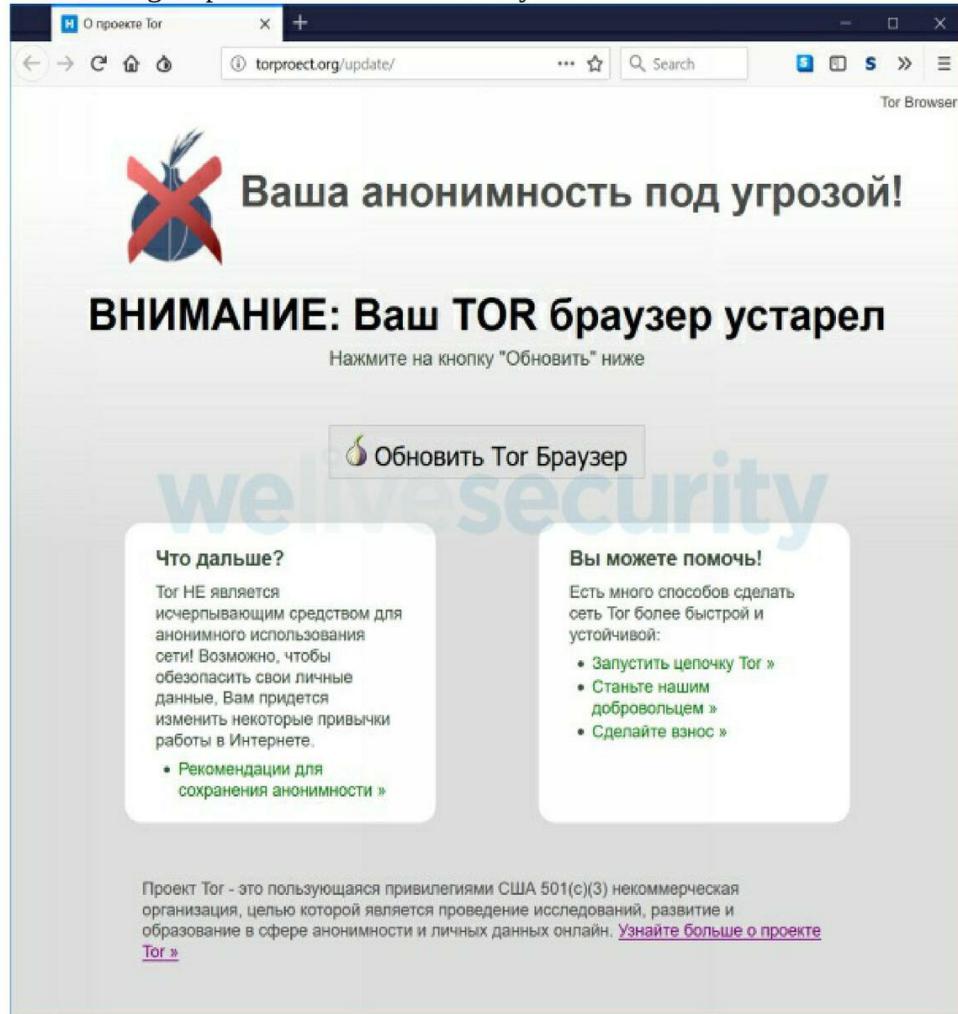
Reduction avoidance for Retailers: Beacon will reveal to you where your products have been sold illegally and who's selling them.

Corporate Safety : Locate NDA offenses and other private information that's been revealed on the dark net.

Insurance: Data leaks are a significant legal liability. Tracking open info in the darknet lets you proactively take PR steps if leaks occur.

Finance & Fraud: Leaked credit cards, IDs, reused passwords, and balances. Give offenders an attack vector to monetary accounts. Beacon permits you to find threats to your organization, and risks to your clients. Getting conscious of any dangers lets you better protect your company and customers.

General criminal action: The dark net is home to a profusion of prohibited products purchased and sold on the internet. Beacon provides insight to what's being dispersed in communities anywhere.



Illuminating the Dark Internet

Beacon provides contextualized data in the sea of data that is disgusting. This OSINT instrument for your dark net lets you quickly find the information that matters to you.

Using a trojanized version of a formal Tor Browser bundle, the Cybercriminals supporting this effort have been quite successful -- thus much

their pastebin.com accounts have experienced over 500,000 viewpoints and they could steal US\$40,000+ in bitcoins.

Malicious domains

This recently detected trojanized Tor Browser was dispersing using two Sites that claimed they disperse the official Russian language edition of this Tor Browser. The very first such site displays a message from Russian asserting the visitor has an obsolete Tor Browser. The message is shown if the visitor gets the most up-to-date Tor Browser variant.

Translated Into English:

Your Anonymity is at risk! WARNING: Your Tor Browser is obsolete Click on the button "Update"

On Clicking the "Update Tor Browser" button, the visitor will be redirected into another site with the potential for downloading a Windows installer. There are not any signs that the exact same site has spread Linux, macOS or cellular variations.

These two domain names -- tor-browser[.] org and torproect[.] Org -- were made in 2014. The malicious domain torproect[.] Org domain name is quite much like the true torproject.org; it is only missing one letter. For Russian-speaking sufferers, the letter may raise no distress on account of the simple fact that "torproect" resembles a transliteration from the Cyrillic. But, it doesn't seem like criminals relied upon typosquatting, since they encouraged these 2 sites on several resources.

Distribution

Back in 2017 and ancient 2018 cybercriminals encouraged the pages of this Trojanized Tor Browser using junk messages on several different Russian forums. These messages include various themes, such as darknet markets, cryptocurrencies, net privacy and censorship jump. Especially, a few of the messages mention Roskomnadzor, a Russian government thing for censorship in telecommunications and media.

In April And March 2018, the offenders began to utilize the pastebin.com web support to market the two domains linked to the imitation Tor Browser page. Especially, they made four reports and created plenty of pastes optimized for search engines to rank them high for phrases which cover

subjects like medications, cryptocurrency, censorship skip, as well as the titles of Russian politicians.

The thought Behind this is that a possible victim would carry out an internet search for particular key words and at some stage see a paste that is created. Each such glue has a header which boosts the bogus site.

This translates into English:

BRO, download Tor Browser so the Cops will not watch you. Regular browsers reveal what you're viewing, even through proxies and VPN plug-ins. Tor encrypts all visitors and moves it via arbitrary servers from all over the world. It's more dependable than VPN or proxy and simplifies most of Roskomnadzor censorship. This is official Tor Browser site: torproject[.]Org Tor Browser using anti-captcha: tor-browser[.]Org Save link

The offenders claim This variant of the Tor Browser has anti-captcha Capacity, but actually this isn't correct.

Each the pastes in the four Unique accounts were seen more than 500,000 times. But it is not feasible for us to state exactly how many viewers actually visited the sites and downloaded from the trojanized version of this Tor Browser.

Diagnosis

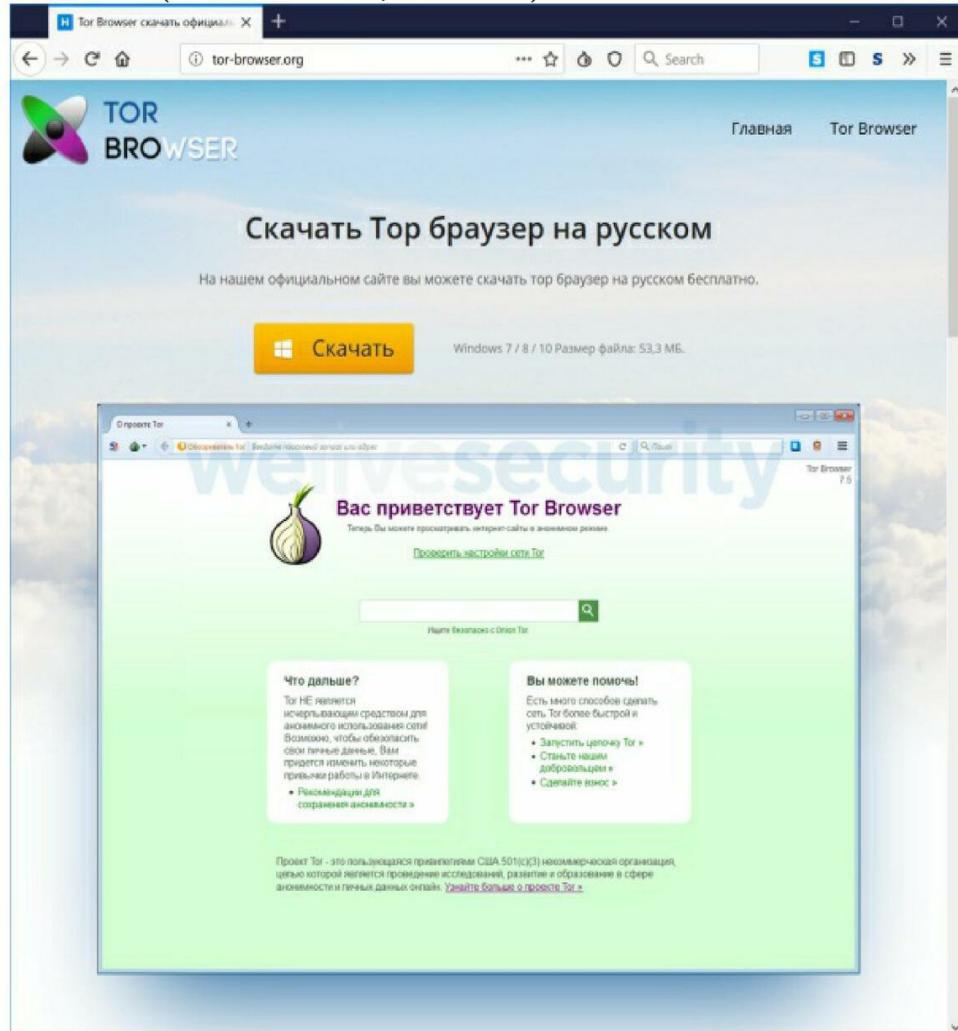
This trojanized Tor Browser is a fully functional program. Actually, it Relies on Tor Browser 7.5, that premiered in January 2018. Thus, non-technically-savvy individuals likely won't detect any difference between the first version and also the trojanized one.

No alterations have been made to source code of their Tor Browser; all of Windows binaries Are precisely the same as in the first edition. Nonetheless, these offenders altered the default browser preferences and a few of the extensions.

The offenders want to stop victims from upgrading the trojanized Tor Version into a more recent version, as in this instance it'll be upgraded to some non-trojanized, legitimate variant. That is the reason why they disabled all sorts of upgrades in the configurations, and also renamed the updater tool out of updater.exe into updater.exe0.

Besides the altered update configurations, the offenders shifted the Default User-Agent into the distinctive hardcoded value:

Mozilla/5.0 (Windows NT 6.1; rv:77777.0) Gecko/20100101 Firefox/52.0



All of trojanized Tor Browser sufferers will utilize the Identical User-Agent; hence it may Be applied as a fingerprint from the offenders to discover, on the server-side, if the sufferer is utilizing this trojanized version.

The most essential change is to this `xpininstall.signatures.required` Configurations, which disable an electronic signature check for set up Tor

Browser add-ons. Hence, the attackers may alter any add-on and it'll be loaded with the browser with no complaint about it neglecting its electronic signature test.

```
pref("app.update.auto",false);
pref("app.update.url","");
pref("app.update.url.details","");
pref("app.update.url.manual","");
pref("browser.aboutHomeSubPages.updateURL","");
pref("extensions.update.autoUpdateDefault",false);
pref("extensions.update.enabled",false);
pref("services.sync.prefs.sync.extensions.update.enabled",false);
pref("extensions.update.background.url","");
pref("extensions.update.url","");
pref("media.cms-manager.url","");
pref("app.update.enabled",false);
pref("xpinstall.signatures.required",false);
pref("xpinstall.whitelist.required",false);
pref("services.sync.prefs.sync.xpinstall.Whitelist.required",false);
pref("webextensions.storage.sync.serverURL","");
pref("extensions.blocklist.enabled",false);
pref("extensions.blocklist.itemURL","");
pref("extensions.blocklist.url","");
pref("app.update.url","");
//pref("browser.startup.homepage","http://onionbxthphlyzyp.onion/start");
//pref("browser.startup.homepage","about:tor");
pref("general.useragent.override","Mozilla/5.0 (Windows NT 6.1; rv:77777.0) Gecko/20100101 Firefox/52.0");
```

Moreover, the offenders altered the HTTPS Everywhere add-on comprised With the browser, especially its manifest.json file. The modification provides a material script (script.js) which will be implemented on load at the context of each page.

This injected script informs a C&C server concerning the present webpage downloads and address a JavaScript payload which will be implemented in the context of this present page. The C&C host is on an onion domainname, so it is available only through Tor.

As the offenders behind this effort understand what site the sufferer is Currently seeing, they could function distinct JavaScript payloads for various sites. But, that isn't the situation here during our study, the JavaScript payload was consistently exactly the exact same for many pages we seen.

The JavaScript payload functions as a Normal web inject, Meaning That it can interact with all the Website content and execute certain actions. As an instance, it may do a form catching, scrape, conceal or inject content of a page that is visited, display bogus messages, etc..

But It Ought to Be noted that the de-anonymization of a sufferer is a difficult Task since the JavaScript payload is operating in the context of their Tor

Browser and doesn't have access to this actual IP address or other bodily qualities of the victim system.

Darknet markets

The sole JavaScript payload We've seen goals three of the biggest Russian-speaking darknet markets. This payload tries to change QIWI (a favorite Russian currency transfer service) or even bitcoin wallets found on webpages of those markets.

Deep net, Dark net and DarkNet

Скачать Тор браузер захотело больше.
Discussion in 'Анонимность' started by padalik, 11 Jul 2017.

11 Jul 2017 #1

padalik
New Member
Joined: 8 Jul 2017
Messages: 1
Likes Received: 0
Reputations: 0

Про новые требования выдвинутые роскомнадзором Павлу Дурову написал свои комментарии в твиттере Сноуден.

Так же большие негодования посыпались со стороны сторонников даркнета, а так же официального сайта tor браузера <http://tor-browser.org/> которые в свою очередь предположили о возможной блокировке тор браузера в России.

Опрос показал что большинство сторонников даркнет маркетов <http://darkmarkets.online/> уверено что тор браузер необходим для свободных продаж в deepweb и роскомнадзор не сможет его ограничить.

welivesecurity

Internet is quite huge and also what we use on daily basis is merely a chunk of it. The world wide web is a lot more than this but , an individual ought to be apparent with the gap between Web and the internet.

Online is your set of various smaller networks Where each node is a host, notebook, smartphone etc..

Internet : In previous days of Web, data was utilized to transport across The world wide web but no Internet existed at the point but in 1989, Tim Berners-Lee introduced the Internet that may be employed to get hyperlinked text or webpages. So, essentially Web is a program that runs over net to supply this

support.

But Web does not include just the site like Facebook, Google, Geeksforgeeks etc.. All these are at the surface net that may be found by search engine. It merely constitutes 4-6percent of the entire web. Section of the WWW that isn't indexed by a search engine such as Google is Deep Internet and it around 500-600 times bigger than surface net. This internet may only be obtained with a particular link and also with special permission such as information within our cloud driveway can't be found on Google, an individual can't hunt for it. There's a subset of this net named Dark Internet.

Deep Internet: It's the net which Can't be obtained by the internet search Engines, such as government personal information, financial data, cloud information etc.. These data are private and sensitive, therefore stored out of reach. It's used to offer access to some specific to a particular group of individuals.

text 8.68 kB

```
1. # скачать тор браузер windows #
2. Т П П - Г П П || Г Г П
3. || || - h || Н Ч Ч || |
4. | ѿ ѿ - ѿ ѿ || | = ѿ ѿ
5.
6. ## БРО, качай тор браузер чтобы менты тебя не пасли. ##
7. Обычные браузеры видно что ты смотришь, даже через прокси и впн плагины.
8. Тор шифрует весь трафик и пропускает его через случайные сервера со всего мира.
9. Это надежней чем впн или прокси и обходит все блокировки роскомнадзора.
10.
11. ## Вот официальный сайт Тор Браузер ##
12.
13. http://torproject.org
14.
15. ## Тор браузер с антикапчей ##
16.
17. http://tor-browser.org
18.
19.
20. Сохрани ссылку.
```

Dark Web: It's a network construct over the net which is encrypted. Darknet provides anonymity to the consumers. 1 these darknet is Tor (The Onion Router). A unique software is needed to enter this system such as Tor browser, is needed to enter in the Tor's network. TOR can get regular site too, a site with this network has .onion address. Most hidden services are supplied on Black Web. Friend-to-Friend is just another sort of darknet where two-person transfer information between them . Just concerned individuals have access to it and it's encrypted and password protected. Freenet can also be a darknet that is used for document transport , there are lots of different darknets out there.

Dark Internet: Darknet supply an individual with anonymity however a service has been Introduced which enabled someone to sponsor a site on the darknet and stay anonymous. This attracted people who do illegal things to sells items without getting captured. 1 example is a site known as the silk

road which was on darknet named TOR, used to market drugs and has been removed by FBI.

It May seem a bit frightening but darknet Is Extremely useful also, for that it had been Created, to give anonymity just like to government officer, journalist as well as us.