



DEEP WEB

19th Annual Privacy and Security Conference

Victoria, BC - February, 2018

Dark Web: The Format

10:45 AM – 12:00 PM

- Winn Schwartau
 - Moderator (3-5 Mins)
- Panelists: Opening Remarks (5 Mins each)
 - Ryan Jepson
 - Dana Adams
 - Sarah Jamie Lewis
 - John Wunderlich

DEEP

THIS HIDDEN SITE HAS BEEN SEIZED

as part of a joint law enforcement operation by
the Federal Bureau of Investigation, ICE Homeland Security Investigations,
and European law enforcement agencies acting through Europol and Eurojust

in accordance with the law of European Union member states
and a protective order obtained by the United States Attorney's Office for the Southern District of New York
in coordination with the U.S. Department of Justice's Computer Crime & Intellectual Property Section
issued pursuant to 18 U.S.C. § 983(j) by the
United States District Court for the Southern District of New York

EC
EUROPOL

EUROJUST

Dark Web: The Premise



The dark web is the world-wide web content that exists on dark nets, overlay networks which use the internet but require specific software, configurations or authorization to access. The dark web is used for illegal activities such as illegal trade, forums and media exchanges for pedophiles and terrorists.

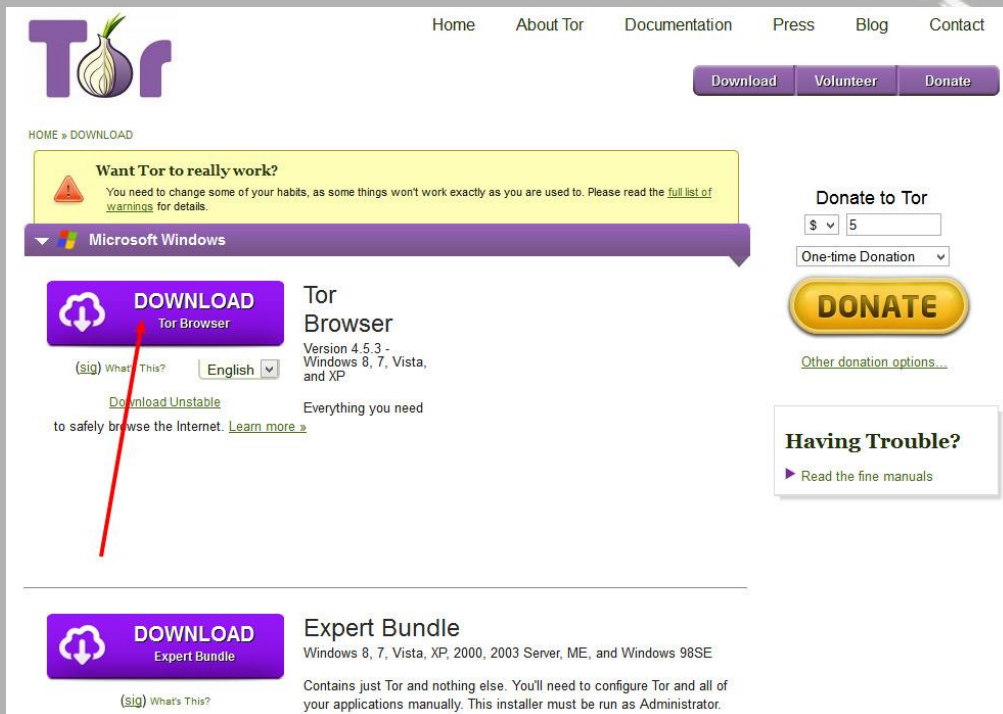
Botnets are often structured with their command and control services based on a censorship-resistant hidden service. Hackers sell their services for financial institutions, banks, governments and private organizations. Although much of the dark web is innocuous, prosecutors and government agencies among others are convinced that it is a haven for criminal activities and social injustices.

Origins

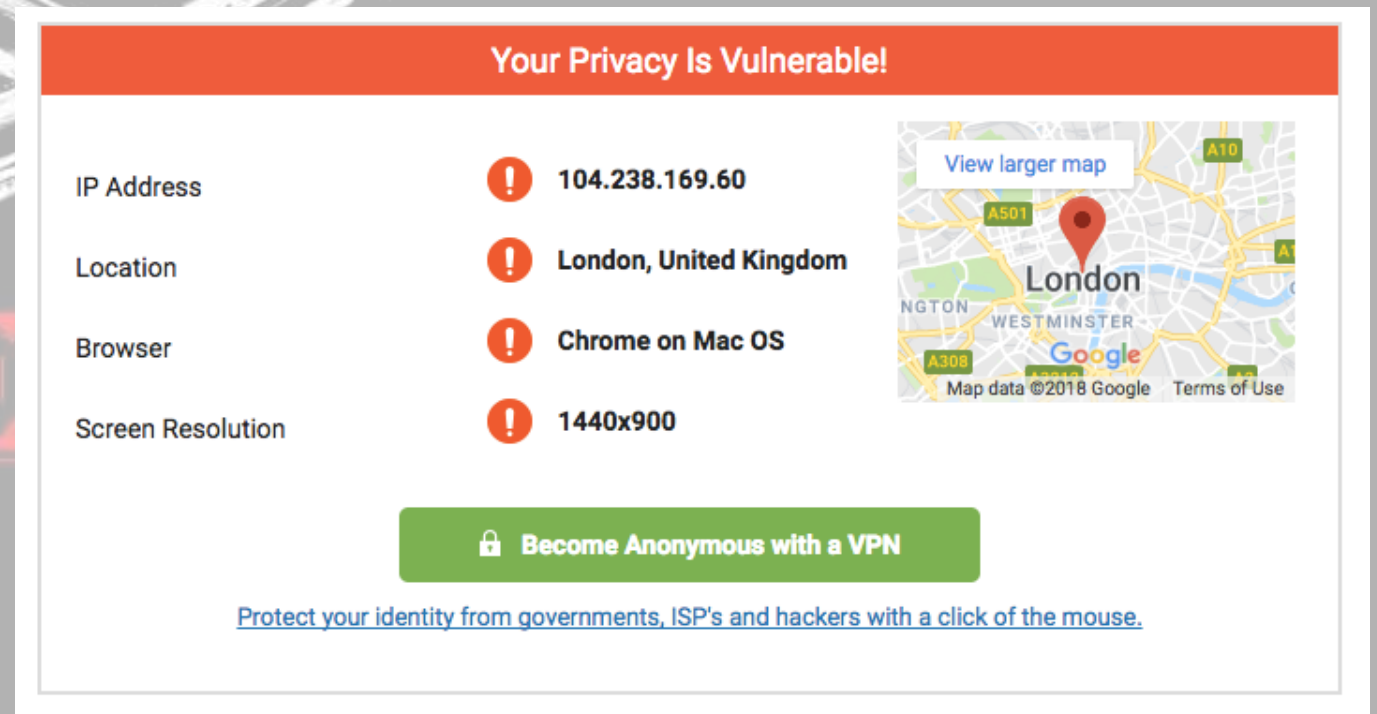
- Tor has its origins in the United States Naval Research Laboratory, where it was created by [a team of mathematicians](#) in the late 1990s to give the government an extra layer of encryption in communicating sensitive messages.
- Its main application was to protect intergovernmental communications and intelligence information from being intercepted by foreign entities.
- Today, the browser is part of a larger open-source initiative called [The Tor Project](#), which is, in part, funded by the U.S. Department of Defence.

How To Find The Dark Web

- MUST (if you're sane!) download, install and load a Zero-Memory VPN.
- Visit: <https://www.torproject.org/download/download.html>



The screenshot shows the Tor Project website's download page. At the top left is the Tor logo. Navigation links include Home, About Tor, Documentation, Press, Blog, and Contact. There are buttons for Download, Volunteer, and Donate. A yellow warning box says "Want Tor to really work?" with a link to a full list of warnings. Below this is a section for Microsoft Windows with a "DOWNLOAD Tor Browser" button. A red arrow points to this button. To the right is a "Donate to Tor" section with a dropdown for amount (set to 5), a "DONATE" button, and a "Having Trouble?" link. At the bottom is an "Expert Bundle" section with another "DOWNLOAD Expert Bundle" button.



The screenshot shows a privacy vulnerability assessment tool. At the top is a red banner that says "Your Privacy Is Vulnerable!". Below this is a list of vulnerabilities, each with a red exclamation mark icon: IP Address (104.238.169.60), Location (London, United Kingdom), Browser (Chrome on Mac OS), and Screen Resolution (1440x900). To the right is a map of London with a red location pin and a "View larger map" button. At the bottom is a green button that says "Become Anonymous with a VPN". Below the button is a blue link that says "Protect your identity from governments, ISP's and hackers with a click of the mouse."



Welcome to Tor Browser

You are now free to browse the Internet anonymously.

[Test Tor Network Settings](#)

Search **securely** with DuckDuckGo.

What Next?

Tor is NOT all you need to browse anonymously! You may need to change some of your browsing habits to ensure your identity stays safe.

- [Tips On Staying Anonymous »](#)
- [Tor Browser User Manual »](#)

You Can Help!

There are many ways you can help make the Tor Network faster and stronger:

- [Run a Tor Relay Node »](#)
- [Volunteer Your Services »](#)
- [Make a Donation »](#)

The Tor Project is a US 501(c)(3) non-profit dedicated to the research, development, and education of online anonymity and privacy. [Learn more about The Tor Project »](#)



FE Highly Sold ★1g Brown Afghan Heroin #3★

\$50 / 0.005684 BTC

Vendor: [\[View Listings\]](#) Italianmafia **+3926, -301, 93%** **L**

Category: Heroin

Ships From: Not Specified



Escrow 1g HQ heroin 3#

\$50 / 0.005684 BTC

Vendor: [\[View Listings\]](#) ViceKings **+2439, -264, 90%** **Lev**

Category: Heroin

Ships From: Netherlands



FE 1GR AFGHAN PURE HEROIN #3 UNCUT!!

\$50 / 0.005684 BTC

Vendor: [\[View Listings\]](#) xxMarlborOxx **+369, -0, 100%** **L**

Category: Heroin

Ships From: Not Specified



Escrow Highly Sold Black Tar Heroin 100% Uncut Raw

\$85 / 0.009663 BTC

Vendor: [\[View Listings\]](#) Loyal4royal **+240, -11, 96%** **Lev**

Category: Heroin

Ships From: United States



Escrow Highly Sold ★★★UNCUT HEROINE★★★ ---

\$48 / 0.005457 BTC

Vendor: [\[View Listings\]](#) PinkPantherNL **+1133, -10, 99%**

Category: Heroin

Ships From: Not Specified



FE Highly Sold ★1GR PURE HEROIN!!★FIRST HAND C

\$43 / 0.004896 BTC

Vendor: [\[View Listings\]](#) TheWizzardNL **+290, -15, 95%** **L**

Category: Heroin

Ships From: Netherlands



Escrow 0.5g Heroin Pure ★First Hand Best Quality★

\$23 / 0.002619 BTC

Vendor: [\[View Listings\]](#) fcdrgs10 **+115, -0, 100%** **Level**

Vendors News

[\[View Listings\]](#) GhostInc **+480, -0, 100%**

Escrow Highly Sold MDMA DUTCH TOP QUALITY 84% 1 G free shipping33\$ - **Featured**

[\[View Listings\]](#) xfuckx **+2024, -5, 100%**

COCAINE BEST QUALITY - 58\$ a gram (EU UK US 100% SUCCESS) - **Featured**

[\[View Listings\]](#) drmorganish2 **+80, -15, 84%**

250 S903 Xanax 2.5mg yellow and Green Hulks Price: \$ 300 - **Featured**

[\[View Listings\]](#) GhostInc **+480, -0, 100%**

Escrow Highly Sold YELLOW HASH top quality +++ 10g + 1g free = 11g for 83\$ free - **Featured**

[\[View Listings\]](#) fcdrgs10 **+115, -0, 100%**

BEST Quality - **Featured**

[\[View Listings\]](#) xfuckx **+2024, -5, 100%**

COCAINE BEST QUALITY - 58\$ a gram (EU UK US 100% SUCCESS) - **Featured**

Searched for: ALL [\[reset search\]](#)



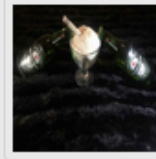
Escrow Highly Sold ★ Oxycodone 40mg x 30 Pills ★ \$290USD ★

\$290 / 0.032968 BTC

Vendor: [\[View Listings\]](#) drugsel **+25, -0, 100%**

Category: Oxycodon

Ships From: Not Specified



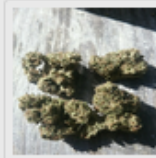
Escrow Highly Sold ★ 1g Ketamine High Quality 87% ★

\$26 / 0.002956 BTC

Vendor: [\[View Listings\]](#) HeinekenExpress **+1300, -65, 95%** **Level 2** ★★

Category: Ketamine

Ships From: Netherlands



Escrow 4 ounces (112+grams) qp of organic berry white, blueberry silver

\$550 / 0.062526 BTC

Vendor: [\[View Listings\]](#) greenmonkey **+215, -0, 100%** **Level 1** ★

Category: Weed

Ships From: United States

Cannabis
Weed (6035)
Hash (1042)
Edibles (392)
Concentrates (536)
Seeds (278)
Others (2355)

Stimulants
Cocaine (2254)
Speed (879)
Meth (745)
Ecstasy (1171)
MDMA (1519)
Methylone (282)
Pills (3026)

Oxygen

Oxygen Down or Up: Dead

This is from their website " "Our mission is to make it as safe and easy as possible for all adults to buy or sell drugs." Oxygen is relatively new marketplace.

- URL: <http://o2oxycuvnwxhv73e.onion>
- Best VPN to Hide Tor: <https://darkwebnews.com/go/DNMVPN>

Commercial Services

- CStore - The original CardedStore - Electronics purchased with carded giftcards, Everything Bra
- Apple Palace - Low priced Apple Products!
- Gold & Diamonds - Genuine Gold, Diamonds and Rhino Horn shipped from Germany and USA.
- Football Money - Fixed football games info.
- PirateSec - Provides legit hacking services.
- EuroGuns - Your #1 european arms dealer.
- USfakelDs - High quality USA Fake Drivers Licenses.
- Fake Passports - Fake Passports for your Real Privacy and Protection.
- Samsungstore - Samsung tablets, smartphones, notebooks with escrow.
- Kamagra for Bitcoin - Same as Viagra but cheaper!
- Apples4Bitcoin - Cheap Apple products for Bitcoin.
- Onion Identity Services - Selling Passports and ID-Cards for Bitcoins.
- Apple World - Carded iPhones, iPads, Macbooks, iMacs and consoles shipping worldwide.
- Amazon GC 4 Bitcoins - Bring Your dreams to life with these amazing Amazon gift cards half of
- SOL's United States Citizenship - Become a True US Citizen - Selling Citizenship.
- Mobile Store - Factory unlocked iPhones and other smartphones.
- Cards - Credit cards with high balance.
- Skimmer Device - Seller of Magnetic Stripe Reader (MSR) and Writer devices to clone cards.
- New Identity - Fake documents service online. 3-5 days FREE express delivery worldwide.
- Digital Gangster - Hire a hacker for espionage, password retrieval, web hacking, and exploits.



Hit Men (Women)



torminator

Home

Services

Order

FAQ

Contact

Services

There are a number services we are able to provide to you. Below we will give you a brief outline of each.

Assassination

A perennial favorite, assassination is where we take out one specific individual in one clean hit.

It will be immediately apparent to all observers, including Law Enforcement, that the victim has died an unnatural death.

Accident

As with assassination, the intended target will be prevented from further participation in life, but unlike the former, it will not be apparent that the victim has been removed at will. Instead, there will be an appearance of accidental death.

This option is, needless to say, rather more expensive than assassination, as there is usually more research and preparation required for a mission to succeed.

Beating

Perhaps it will surprise you to learn that a beating is nearly as expensive as an assassination. The

Home Page

Services

Procure a hit

Frequently Asked Questions

Get in touch

Customers' testimonials

How does this work?

Meet our hitmen

Mitxel Guarantee

INFORMATION

Safety advice from our pros

Fifteen facts you did not know

SLAYERS ASSASSINATION AND LIFE RUINING SERVICES



Slayers are a group of hitmen from all over the world. We take jobs from different parts of the world .

Our hitmen are always willing to travel to locations where slayers are non existent.

We are extremely professional in our dealings and try our best to keep to contractual terms.

As well as assassinations we also offer life ruining services like cripplings, acid attacks, setups and many other services listed in our price list.

we currently have 48 hitmen on call therefore we would assign you the available and most convenient hitmen according to your location

we dont accept unrealistic hits

PRICES LISTED BELOW MAY DIFFER SLIGHTLY ACCORDING TO OPERATIONAL LOGISTICS

ASSINATIONS

guns	\$15,000
knife	\$22,000
poison	\$40,000
painless poison	\$42,000
death torture	\$50,000

LIFE RUINING

acid attack	\$4,000
facial scar	\$3,000
crippling	\$10,000
blindning	\$11,000
castration	\$30,000

OTHERS

torture	\$20,000
rape	\$2,000
beatings	\$2,000
scare	\$1,000
the price for setup and framings differ according to intentions	

Illegal Weapons



Luckp
47
SHOP
Luhansk Counter Kiev
Partisans



luckp47@Safe-mail.net

Rate for today: **1btc=7098.67 Euro**. Address for payment:
1ANsmzmQfBDwTFhRukZHCDNBvAK8cQH2aU



More NSFW or Here



- If you can think of it, some depraved people are selling it.

DEEP WEB

The Dark Web Panelists



Ryan Jepson, Technical Operations Section, Inspector, Calgary Police Service

rjepson@calgarypolice.ca

Dana Adams, Director, Security Services, TELUS

Dana.Adams@telus.com

Sarah Jamie Lewis, Anonymity & Privacy Researcher

me@sarahjamielewis.com

John Wunderlich, Chief Privacy Officer, JLINC Labs

john@jlinclabs.com

Ryan Jepson, Technical Operations Section, Inspector, Calgary Police Service - rjepson@calgarypolice.ca

The Dark Web is an online community with similarities to a physical community. People gather in online and physical communities to connect with others with common interests. Many of those interests on the dark web are legal, and many are not - in the context of Canadian law.

If we look back at the Peelian principles of policing we are obligated to 'prevent crime and disorder' in all of our communities and we do this with the consent and cooperation of the public. That said we cannot be everywhere, so on the dark web police look for crime that impacts the public in significantly negative ways - examples include child exploitation and drug trafficking. Police can also utilize the dark web and other technologies to give citizens the power to police with us to reduce victimization.

Addendum: Many prosecutors or government agencies don't actually know how to find the dark web - let alone have the experience to describe it as criminal or otherwise. Much of their perception is based on what they have heard at the water cooler.

Sarah Jamie Lewis, Anonymity & Privacy Researcher - me@sarahjamielewis.com

I believe the the dark web, and in particular the underlying technologies may be the best hope for building more consensual infrastructure (in fact I'm actively building it - but, it it's current state the technology fails people when it comes to privacy - it isn't as dark, or as big as most people think.

I map the dark web, in particular my research aims at understanding how privacy & anonymity technologies fail to protect people. Each node in the graph linked above is an onion service, and the links are concrete relationships between onion services - some links are tentative (e.g. these sites link to each other), but many are hard connections between services including e.g. where we've been able to hack or otherwise exploit software issues to determine that two or more hidden services are co-hosted on the same infrastructure.

For more info:

<https://mascherari.press/onionscan-report-fhii-a-new-map-and-the-future/>

https://motherboard.vice.com/en_us/article/wjnwgb/we-anonymously-controlled-a-dildo-through-the-tor-network



Dana Adams, Director, Security Services, TELUS Dana.Adams@telus.com

- The Dark Web can be a great tool and spectacular source of information for Investigators, Law Enforcement, GOVT agencies, private, public organizations etc. Inversely, the Dark Web is also widely used for the drug trade, hacking materials, terrorism and Child exploitation, to name a few. Most technology is neutral in my opinion, and will be used for good and bad. Finding the BALANCE between Individual Rights, Privacy, Public Safety, democracy in authoritarian States and the ability to effectively establish attribution and Identity in a connected world provide our society with unprecedented challenges. Where do we as a society draw the line between anonymity, encryption, privacy and ultimately the safety of our Society?

John Wunderlich, Chief Privacy Officer, JLINC Labs - john@jlinclabs.com

The dark web may be last best hope of a free and open web. The 'normal' web is dominated by the growth of so-called platforms as walled gardens of user harvested data. The hundreds of millions of users who are using ad-blockers is the strongest possible signal that the current web is not working in users' interests.

There is also the growth of data localization rules as a characteristic of authoritarian regimes. The reclamation of personal autonomy, privacy, and democracy may well require the dark web, warts and all.

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[@PrivacyCDN](https://twitter.com/PrivacyCDN)



Shedding Light on the Dark Web

19th Annual Privacy and Security Conference

Victoria, BC

February, 2018

DEEP WEB

Problems with the Bright Web

- Design pattern for user abuse
- Profoundly threatening to democracy
- Network effect works against innovation

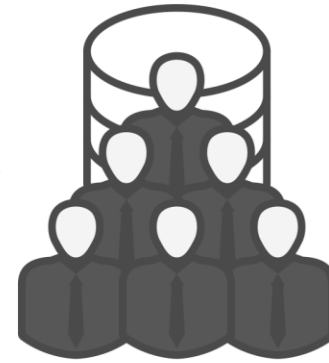
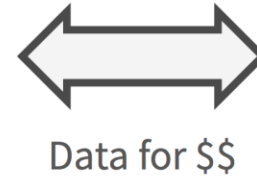
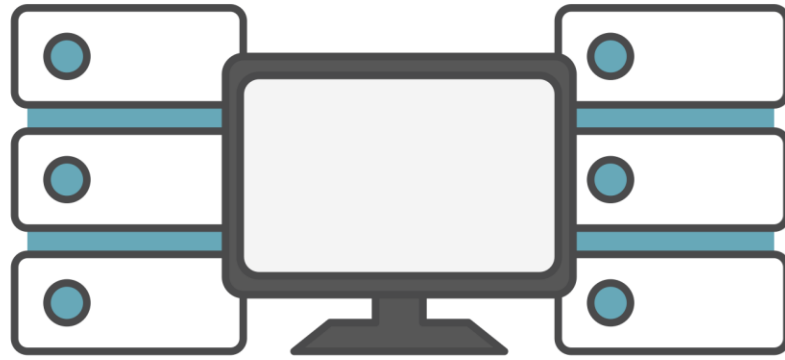
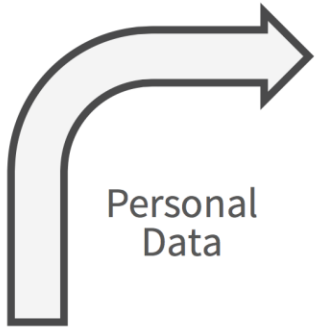


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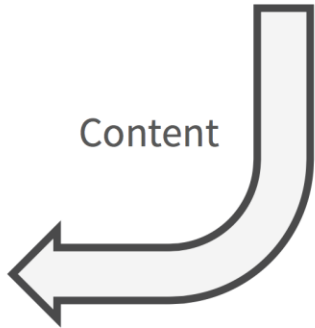


Design Pattern for user abuse

DEEP WEB



User



Content

Users want content but that's not all that they get



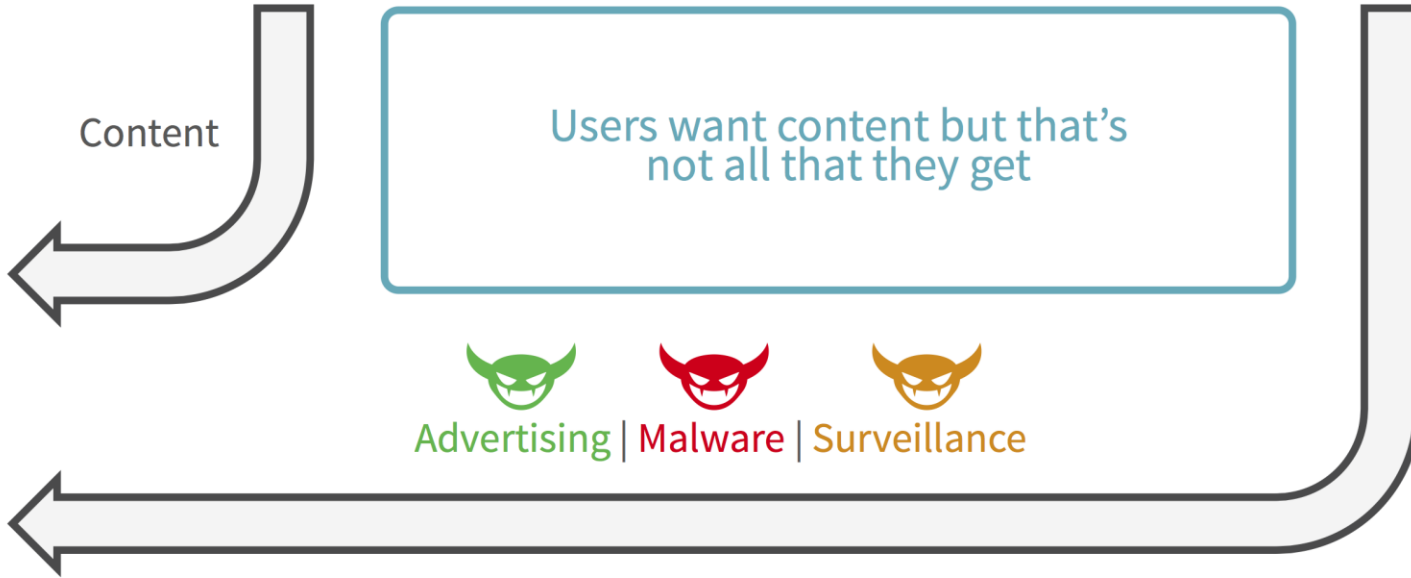
Advertising



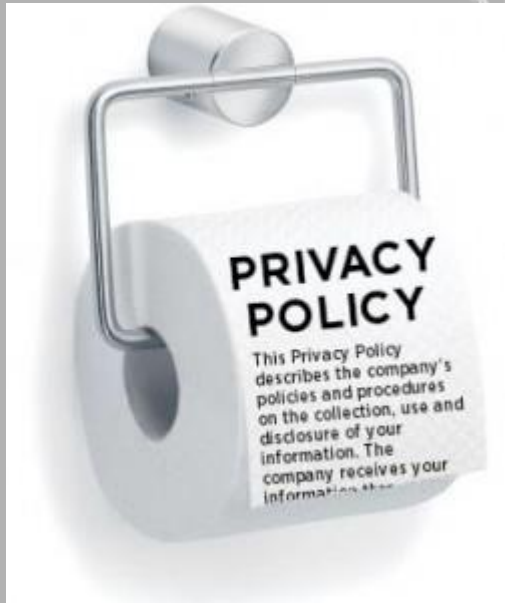
Malware



Surveillance



Privacy Policies Are Not Read



Items	Factors and item loadings		
	Information overload	Nothing to hide	Difficult to understand
Privacy policies are too long	.819	.093	.088
There are too many privacy policies to read	.802	.149	.086
There are too many Terms of Service agreements to read	.732	.093	.086
Terms of Service agreements are too long	.720	.048	.073
I don't have time to read privacy policies for every site that I visit	.630	.203	.178
I don't have time to read Terms of Service agreements for every site that I visit	.609	.161	.177
It is normal to sign up for websites/apps without reading the Terms of Service agreements	.593	.145	.110
It is normal to sign up for websites/apps without reading the privacy policies	.556	.160	.153

<http://www.forbes.com/sites/andygreenberg/2012/01/25/the-worlds-worst-privacy-policy/>

<https://ssrn.com/abstract=2757465>

Advertising & Promotion

Grid of logos for Advertising & Promotion, including sub-sections: Mobile Marketing, Display & Programmatic Advertising, Search & Social Advertising, Native/Content Advertising, Video Advertising, and Print.

Content & Experience

Grid of logos for Content & Experience, including sub-sections: Mobile Apps, Video Marketing, Email Marketing, Content Marketing, Optimization, Personalization & Testing, DAM & MRM, SEO, Marketing Automation & Campaign/Lead Management, and CMS & Web Experience Management.

Social & Relationships

Grid of logos for Social & Relationships, including sub-sections: Call Analytics & Management, ABM, Events, Meetings & Webinars, Social Media Marketing & Monitoring, Advocacy, Loyalty & Referrals, Influencers, Feedback & Chat, Community & Reviews, Experience, Service & Success, and CRM.

Commerce & Sales

Grid of logos for Commerce & Sales, including sub-sections: Retail & Proximity Marketing, Channel, Partner & Local Marketing, Sales Automation, Enablement & Intelligence, Affiliate Marketing & Management, Ecommerce Marketing, and Ecommerce Platforms & Carts.

Data

Grid of logos for Data, including sub-sections: Audience/Market Data & Data Enhancement, Marketing Analytics, Performance & Attribution, Mobile & Web Analytics, Dashboards & Data Visualization, Business/Customer Intelligence & Data Science, iPaaS, Cloud/Data Integration & Tag Management, Predictive Analytics, and Customer Data Platforms.

Management

Grid of logos for Management, including sub-sections: Talent Management, Product Mgmt, Budgeting & Finance, Collaboration, Projects & Workflow, Agile & Lean Mgmt, and Vendor Analysis.

Ad infrastructure does not serve brands

- “We serve ads to consumers through a non-transparent media supply chain with spotty compliance to common standards, unreliable measurement, hidden rebates and new inventions like bot and methbot fraud,”
- Procter & Gamble chief brand officer Marc Pritchard

<https://www.marketingweek.com/2017/01/31/mark-ritson-marc-pritchard-viewability-fraud-speech/>

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Profoundly threatening to
democracy

DEEP WEB

Is the digital commons a commons?

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World ▶ Europe US Americas Asia Australia Middle East Africa Inequality Cities Global development

Las Vegas shooting

Facebook and Google promote politicized fake news about Las Vegas shooter

The spread of rightwing blogs, claiming the shooter was an anti-Trump liberal, on to mainstream platforms is the latest example of hyper-partisan trolling after a tragedy

most popular

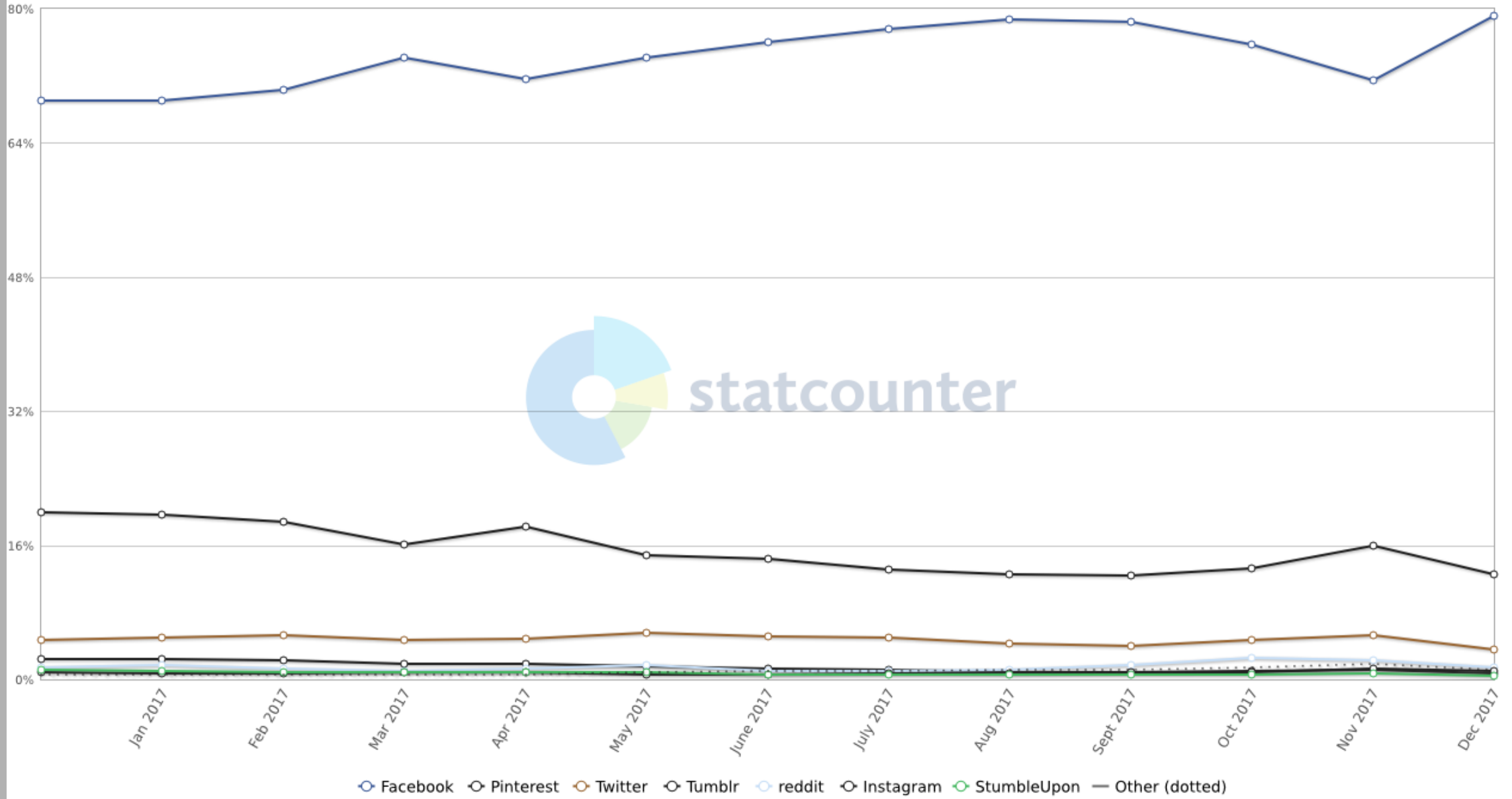


Grounds for impeachment if Trump lied about trying to fire Mueller - Ken Starr



Fitness tracking app Strava gives away location of secret US army bases

StatCounter Global Stats
Social Media Stats Canada from Dec 2016 - Dec 2017



Websites & Platforms are not on your side

JANUARY 28, 2018

FREEDOM TO TINKER

research and expert commentary on digital technologies in public life

Website operators are in the dark about privacy violations by third-party scripts

JANUARY 12, 2018 BY ARVIND NARAYANAN 5 COMMENTS

by Steven Englehardt, Gunes Acar, and Arvind Narayanan.

Recently we **revealed** that “session replay” scripts on websites record everything you do, like someone looking over your shoulder, and send it to third-party servers. This en-masse data exfiltration inevitably scoops up sensitive, personal information — in real time, as you type it. We released the **data** behind our findings, including a list of 8,000 sites on which we observed session-replay scripts recording user data.

As one case study of these 8,000 sites, we found health conditions and prescription data being exfiltrated from walgreens.com. These are considered Protected Health Information under HIPAA. The number of affected sites is immense; contacting all of them and quantifying the severity of the privacy problems is beyond our means. We encourage you to check out our **data release** and hold your favorite websites accountable.

<https://freedom-to-tinker.com/2018/01/12/website-operators-are-in-the-dark-about-privacy-violations-by-third-party-scripts/>



Search Quotes, News & Video

HOME U.S. NEWS MARKETS INVESTING TECH MAKE IT VIDEO SHOWS MORE

TECH

TECH | MOBILE | SOCIAL MEDIA | ENTERPRISE | CYBERSECURITY | TECH GUIDE

As many as 48 million Twitter accounts aren't people, says study

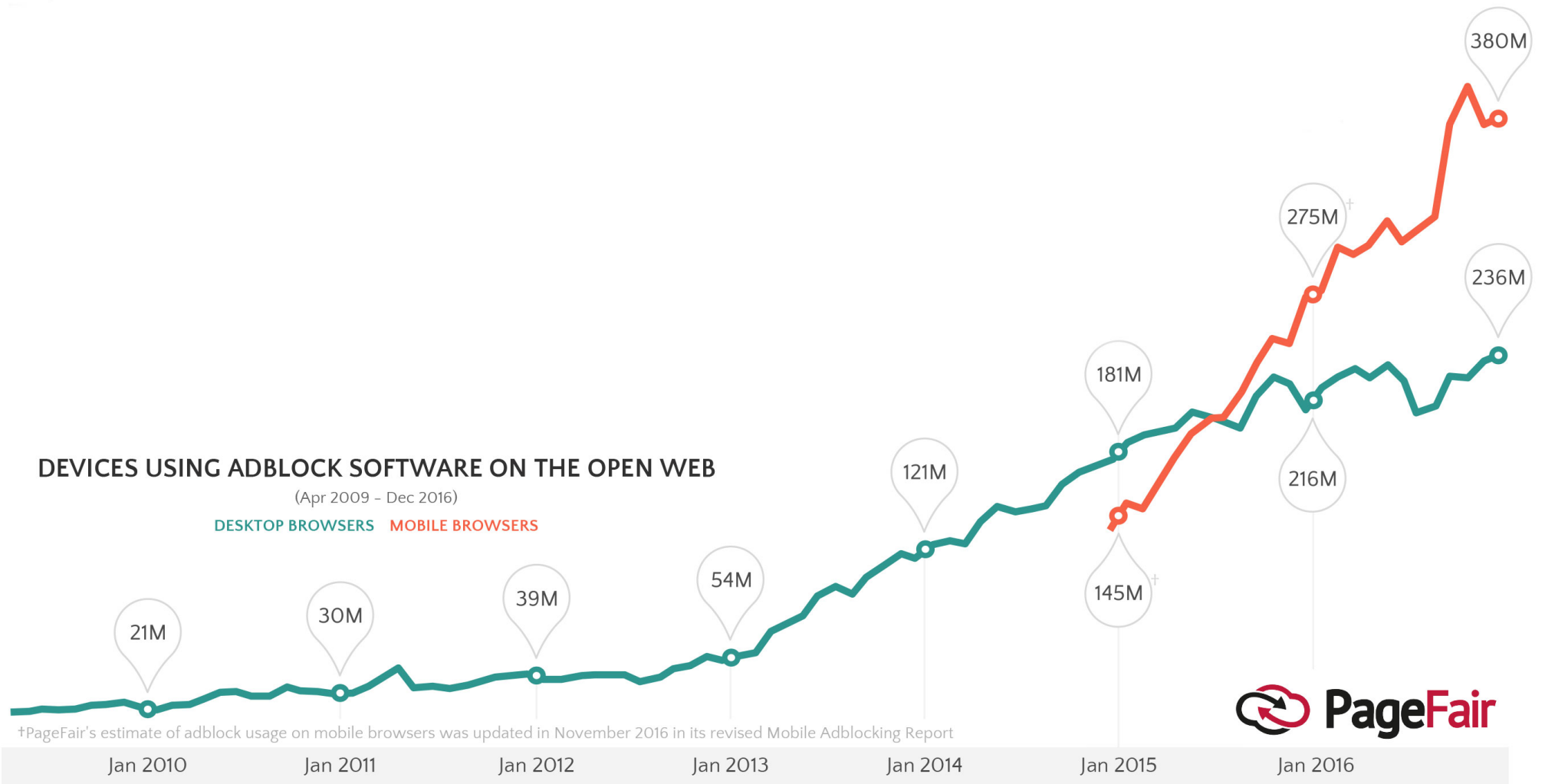
Michael Newberg | @MikeNewberg

Published 1:09 PM ET Fri, 10 March 2017 | Updated 7:56 PM ET Fri, 10 March 2017



<https://www.cnbc.com/2017/03/10/nearly-48-million-twitter-accounts-could-be-bots-says-study.html>

User trying to fight back



Conclusion

The dark web may be last best hope of a free and open web. The 'normal' web is dominated by the growth of so-called platforms as walled gardens of user harvested data without adequate governance. The hundreds of millions of users who are using ad-blockers is the strongest possible signal that the current web is not working in users' interests. There is also the growth of data localization rules as a characteristic of authoritarian regimes. The reclamation of personal autonomy, privacy, and democracy may well require the dark web, warts and all.

DEEP WEB

Audience:

- Questions
- Answers
- Comments



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Questions

- You all point out that the Dark Web is the last bastion of hope, privacy and democracy, despite it also being criminal central. Can you describe the specific tools needed to be implemented to keep the Dark Web from being affected by Ads etc. as is the traditional web? What specific architectures and technologies exist or need to be developed to keep the Dark Web dark?

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