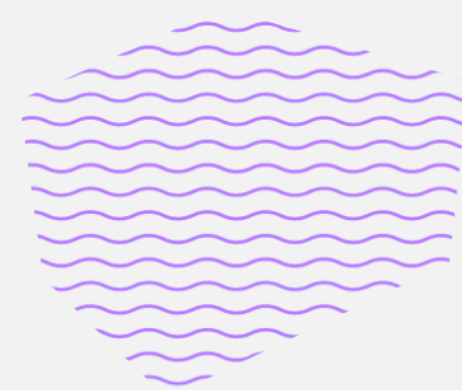


NEWS & EVENTS

An update to dislikes on YouTube

By The YouTube Team

Nov. 10. 2021



The dislike count will be private across YouTube, but the dislike button will remain.



Nástroje a možnosti internetu

Hlubší vrstvy Internetu I.

12. 11. 2021



decentralizovaný web

protokoly

P2P

hluboký web

splinternet

Které z těchto
zkratk a služeb
znáte a dokázali
byste vysvětlit,
o co jde?



Deep web

- *hluboký web*
- tam jsme všichni
- 90 % webu



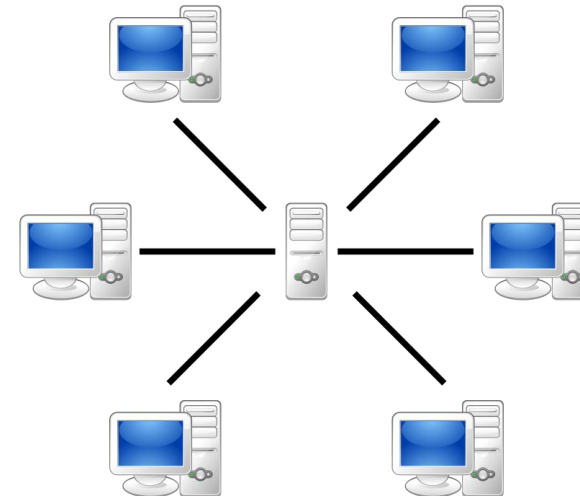
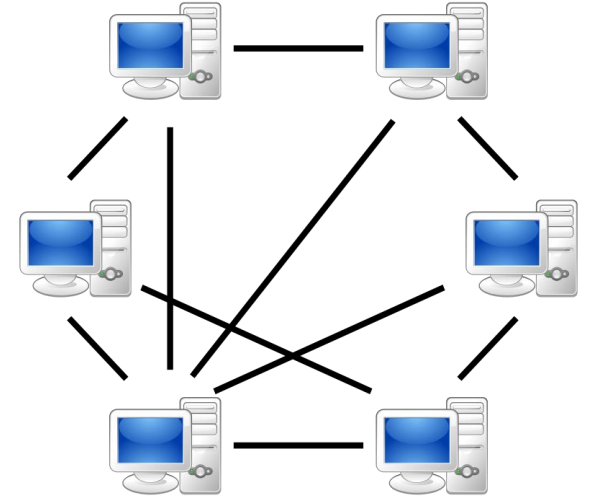
Dark web

- *proč ten název?*
- legitimní využití
- překryvné vrstvy



P2P

- peer-2-peer, klient-klient
- architektura sítě, opak klient-server
- uzly sítě rovnocenné
- žádný server (*až na výjimky*)



P2P | Protokoly

- *Napster (1999)*
- Gnutella
- Direct Connect (DC++ atp.)
- ed2k (eMule)
- BitTorrent

- různá využití, některé míří hlavně na anonymitu

souvislosti

síťová neutralita
autorské právo
sociální rozměr
bezpečnostní rozměr
politický rozměr

BBC Sign in Home News Sport Reel Worklife Travel Future Culture More Search

NEWS

Home Coronavirus Video World UK Business Tech Science Stories Entertainment & Arts Health More

Tech

Turkey's Wikipedia ban ends after almost three years

16 January



Imagine Without
For over a de largest encycl
Congress is c
free and open
blacking out W
Make your v

REUTERS

Turkey is restoring access to Wikipedia after a ban that lasted almost three years.

The country's Constitutional Court ruled that the ban violated freedom of expression, the pro-government newspaper Milliyet reported.

The online encyclopaedia was blocked in Turkey in April 2017, after it refused to delete articles critical of the country's government.

The ban lasted 991 days, said internet-monitoring organisation NetBlocks.org.

The Wikimedia Foundation, which runs the service, had refused to remove articles that said Turkey's government had conspired with the so-called

Top Stories

US hits record Covid cases and hospitalisations
Two records are reached on Wednesday, amid fears the pace will not slow leading up to Christmas.
5 hours ago

Dr Fauci: The UK 'was not as careful' with vaccine
29 minutes ago

Brexit trade deal talks down to the wire
12 minutes ago

Features

Penalties, equalisers & yoghurts - Van-Tam's best analogies



Wikipedia @Wikipedia

The best present we got for Wikipedia's 19th birthday was being unblocked in Turkey. 🇹🇷 (thread)



Welcome back, Turkey!

Access to Wikipedia restored in Turkey after more than two and a half ye...
Today, on Wikipedia's 19th birthday, the Wikimedia Foundation has received reports that access to Wikipedia in Turkey is actively being ...
wikimediafoundation.org

2:22 AM · Jan 16, 2020

11.1K 1.3K people are Tweeting about this

IPFS

- <https://ipfs.io/>
- Interplanetary File System (2015)
- distribuovaná P2P síť
- odolné vůči cenzuře
- dokáže [hostovat web](#)



Turkey Blocks 
@TurkeyBlocks



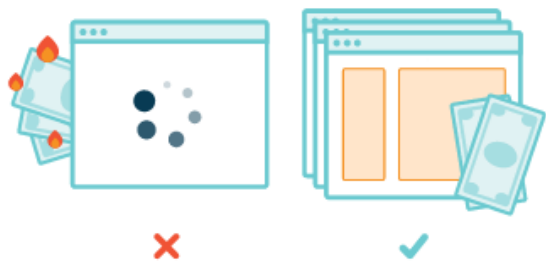
Confirmed: All editions of the #Wikipedia online encyclopedia blocked in #Turkey as of 8:00AM local time
turkeyblocks.org/2017/04/29/wik...

```
Sat Apr 29 2017 08:02:55 GMT+0300 (+03)
https://en.wikipedia.org 5005 DOWN
https://tr.wikipedia.org 5009 DOWN
https://az.wikipedia.org 5009 DOWN
https://fr.wikipedia.org 5007 DOWN
https://www.wikipedia.org 5007 DOWN
```

7:22 AM · Apr 29, 2017



 896  2.5K people are Tweeting about this



Today's web is inefficient and expensive

HTTP downloads files from one server at a time — but peer-to-peer IPFS retrieves pieces from multiple nodes at once, enabling substantial bandwidth savings. With **up to 60% savings for video**, IPFS makes it possible to efficiently distribute high volumes of data without duplication.



Today's web can't preserve humanity's history

The average lifespan of a web page is 100 days before it's gone forever. The medium of our era shouldn't be this fragile. IPFS makes it simple to set up resilient networks for mirroring data, and thanks to content addressing, files stored using IPFS are automatically versioned.



Today's web is centralized, limiting opportunity

The Internet has turbocharged innovation by being one of the great equalizers in human history — but increasing consolidation of control threatens that progress. IPFS stays true to the original vision of an open, flat web by delivering technology to make that vision a reality.



Today's web is addicted to the backbone

IPFS powers the creation of diversely resilient networks that enable persistent availability — with or without internet backbone connectivity. This means better connectivity for the developing world, during natural disasters, or just when you're on flaky coffee shop wi-fi.



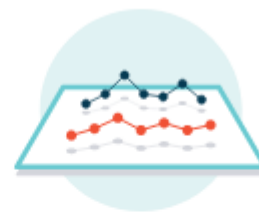
Archivists

IPFS provides deduplication, high performance, and clustered persistence – empowering you to store the world’s information for future generations.



Service providers

Providing large amounts of data to users? IPFS offers secure, peer-to-peer content delivery – an approach that could save you millions in bandwidth costs.



Researchers

If you’re working with or distributing large data sets, IPFS can help provide fast performance and decentralized archiving.



Developing world

High-latency networks are a big barrier for those with poor internet infrastructure. IPFS provides resilient access to data independent of latency or backbone connectivity.



Blockchains

With IPFS, you can address large amounts of data and put immutable, permanent links in transactions – timestamping and securing content without having to put the data itself on-chain.



Content creators

IPFS brings the freedom and independent spirit of the web in full force – and can help you deliver your content at a much lower cost.



IPFS



STAV



SOUBORY



PROZKOUMAT



UZLY



NASTAVENÍ

QmHash/bafyHash

Procházet

Qmdm_RgQm



Protobuf UnixFS [Zobrazit na IPFS bráně](#)

CID QmdmQXB2mzChmMeKY47C43LxUdg1NDJ5MwckMKxDu7RgQm

SIZE 107 MB

LINKS 1864

DATA

► Object {type: "directory", data: null, blockSizes: Array[0]}

	PATH	CID
11	1008 - Suckville	QmNPAnHoz87yw7mMoYNkaiQLqHVxVDFxwF5Y7FUckVbXd
12	1009 - Sigh	QmU34D1oaLEgiE53vvEsFm1kFJaHcGDUEk4cuBvmlmezDso
13	101 - Laser Scope	Qmdp4pcmePccsVHedMC4CsSnkEtXLXT2N3go7S8qeLg3RY
14	1010 - Etymology-Man	QmZisEoKhaVaU3N7r7ppjsv38tXoswetfwEgEHS3ytUi92
15	1011 - Baby Names	QmQpeWBN97QtwjpyLfvnrKw75jEnDlw7sxiKYMvGfVi4US
16	1012 - Wrong Superhero	QmNXV9m9zw3voRLjhkiKpSjrPfqeBPmz9Wj2H2PQT3ekf4
17	1013 - Wake Up Sheeple	QmZAFvuHxARV2zCeM2M2NxAjMYV8w7VhqpK1CuFSh23W3o
18	1014 - Car Problems	QmQSQYNn2K6xTDLhfNcoTjBExz5Q5gpHBTqZZKdxsPR89
19	1015 - Kerning	QmZSDn6aaPxtavkReci6xu7jZThkdhBJw2Eds5uxmiVgrx
20	1016 - Valentine Dilemma	QmRSkGhwZ1jmemzsk2xNXeBwzqLba1MCgwdAYfQUXmXZhx
21	1017 - Backward in Time	QmUmHJwADn1M1fm1MX8x6g1NGZiEkazb3x8Pzs9RN38Hou

CID INFO

QmdmQXB2mzChmMeKY47C43LxUdg1NDJ5MwckMKxDu7RgQm

base58btc - cidv0 - dag-pb - sha2-256-256-e536c7...

ZÁKLAD - VERZE - KODEK - MULTIHASH

MULTIHASH

0x1220e536c7f88d731f374dcc568aff6f56e
838a19382e488039b1ca8ad2599e82fe
HASH DIGEST

0x12 = sha2-256

0x20 = 256 bits

IPFS

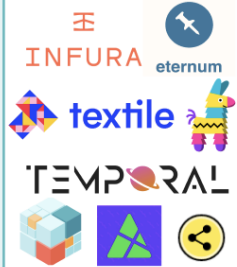
Data



Identity



Persistence



Marketplace



NFT



Content



Other



Social Media



Integrations & Collaborations



Prediction



Finance



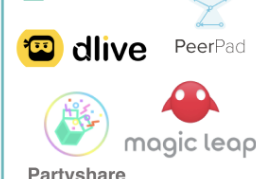
Governance



Exchange



PEERCOINS



GNUnet

- <https://gnunet.org/>
- framework
- podpora pro vznik dalších aplikací
- *re:claimID*
- *pretty Easy privacy (p≡p)*



Freenet

- <https://freenetproject.org/> (2000)
- anonymní sdílení souborů a *freesites*
- každý poskytuje provoz a úložiště
- soubory šifrovány, nevyužívané mizí
- *volba úrovně bezpečnosti – limity úložiště*



Freenet - Freenet

localhost:8888/?incognito=true

ANONYMIZED

BROWSING FILESHARING FRIENDS DISCUSSION STATUS CONFIGURATION

Freenet related documentation

Freenetproject Website Mirror (The official Freenet Project website)	Freenet Social Networking Guide (Step by step guide to how to set up anonymous email, forums, chat, social tools etc on Freenet. Strongly recommended!)	Publish! (How to publish web sites on freenet)	Freesite HOWTO (Another guide to publishing a website to Freenet)
Freenet Privacy and Software Site (Best Practices for Freenet Users)	Freenet Documentation Wiki (Freenet documentation wiki)	The Unofficial FMS Guide (The Unofficial Guide to FMS (Forums over Freenet))	Freenet Statistics (Statistics about Freenet usage)

Freenet related software

Freenet Message System (Message boards over Freenet)	Freemail (Email over Freenet)	Sone (Social chat over Freenet)	jSite (Essential tool for uploading websites to Freenet)
---	--	--	---

Freenet team's blogs

English Switch to advanced mode Security levels: **LOW LOW** 0 / 7

Freenet is downloading the page you requested

Filename: [cz-sk-kniznica-21](#)

Time elapsed: 2s

Last refresh was 0s ago

Your computer is downloading this page or file from Freenet. This could take seconds or minutes depending on how big and how popular the page or file is - the more often something is accessed in Freenet, the better is its availability and download speed.

The progress bar will jump around until we have downloaded enough blocks to determine the size of the file.

1 (50%??)

Aktuality

Časté otázky



Pridať do záložiek



Zoznam kníh

- A
- B
- C
- D
- E
- F
- G
- H
- CH
- I,J
- K



Česká a Slovenská knižnica na Freenete

Česká a Slovenská knižnica na Freenete je projekt, ktorý si kladie za cieľ sprístupniť čo najviac beletrie v Českom alebo Slovenskom jazyku (väčšina kníh je však v češtine). Celá knižnica má po rozbalení 2,8 GB a obsahuje 7814 položiek. Ak by ste dokázali prečítať jednu knihu denne, na celý archív by ste potrebovali 21 rokov.

Ak máte akúkoľvek otázku alebo ma chcete kontaktovať, prečítajte si prosím Časté otázky.

This is Czech and Slovak ebook library. For contact, please read Časté otázky/FAQ

Zoznam kľúčov

Návod na sťahovanie z Freenetu nájdete v Častých otázkach - [Ako sťahovať](#)

CHK@9DeUS~QXpJqIARltHyUyPylou9YNnEUtzx5ZKbvHRv8,--CyYHZl1agdrWRWEF-9KM7qfWksOwZ8-FPiexDBlhc,AAMC--8/A.7z

kniznica

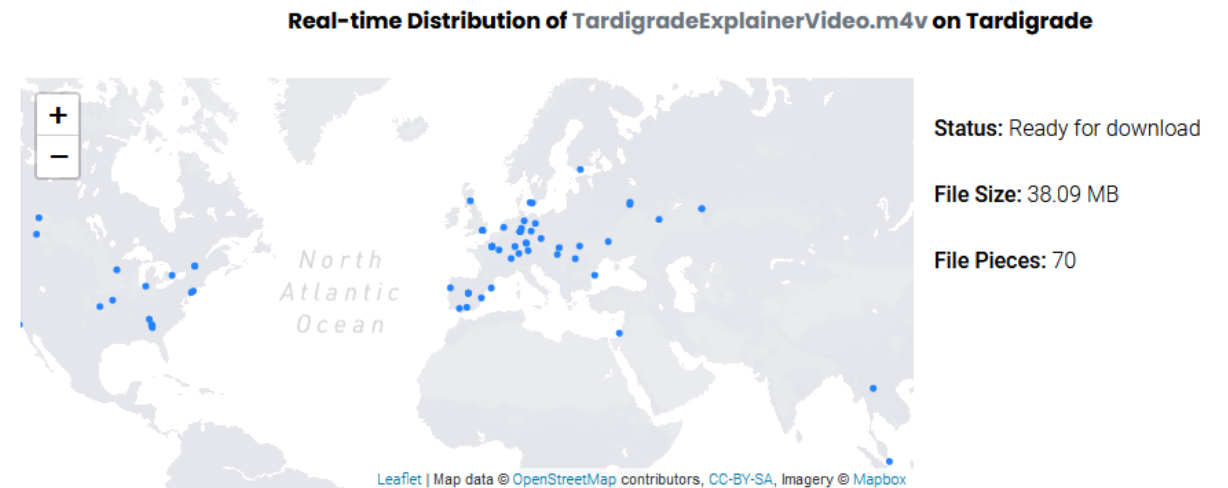
E-knihy v češtine a slovenčine

Decentralizovaný internet

- *běžný stav*: data na serveru
- *decentralizace*: každý kousek dat u sebe
- data nevlastní centrální bod
- v šifrované podobě
- je to budoucnost?

Decentralizovaný cloud

- *cooperative storage cloud*
- decentralizované cloudové úložiště
- např. [STORJ](#)
- <https://space.storage/> (IPFS)
- <https://slate.host/>
- a mnoho dalších experimentů...



ZeroNet

- <https://zeronet.io/>
- Tamas Kocsis (2015)
- *zites* (10MB)
- blockchain + torrent (+Tor)
- *zites* - nelze je zničit, dokud se sdílí
- velmi jednoduchá instalace a zprovoznění
- dynamické webové stránky



RECENTLY DOWNLOADED:

ZeroTalk UPDATING: 3884 LEFT 13 MINUTES AGO 86

ZeroMail UPDATING: 5680 LEFT 48 MINUTES AGO 52

ZeroUp UPDATING: 17 LEFT 2 DAYS AGO 44

GIF Time UPDATING: 3272 LEFT 17 HOURS AGO 32

CONNECTED SITES:

ZeroSites 59 MINUTES AGO 140

ZeroHello ON NOV 03, 2020 135

ZeroName ON NOV 28, 2020 91

ZeroBlog 2 DAYS AGO 77

ZeroMe ON OCT 07, 2020 77

ZeroWiki ON NOV 10, 2020 59

Wikileaks Torrents ON NOV 05, 2017 7

127.0.0.1:43110/1HeLLo4uzjaLetFx6NH3PMwFP3qbRbTf3D



When you lose another service during a major outage

ON SEP 22, 2016

8 Likes



Job freezes with unexpected input

ON SEP 21, 2016

11 Likes



Politics

Analytical marxism

Books

How Trump Brainwashed the Right

How Trump Brainwashed the Right

Revolution Pirate Radio

Exposing Corruption, Lies & Censorship within Governments and Media.

The Civil War in France by Karl Marx

A pamphlet written by Karl Marx in praise of the world's first proletarian revolution

The Russian Revolution by Rosa Luxemburg

Rosa Luxemburg's pamphlet supporting the revolution while harshly condemning the authoritarianism and dictatorial methods of the Bolsheviks.

The State and Revolution by V.I. Lenin

Lenin's single greatest political work

A Cypherpunk's Manifesto

The iconic Cypherpunk's Manifesto by the late Eric Hughes, founder of the Cypherpunks movement.

Universal Declaration of Human Rights

The historic document adopted by the United Nations General Assembly at its 183rd session on 10 December 1948.

An Anarchist FAQ

This site holds an anarchist FAQ. Its aim is to present what anarchism really stands for and indicate why you should become an anarchist.

Mercuric Tao: The interface of technology, politics and the self

A Blog on the interface of technology and politics and the will to create it

An Anarchist FAQ Webpage

Version 15.0

This Zite holds an anarchist FAQ. Its aim is to present what anarchism really stands for and indicate why you should become an anarchist.

[Volumes 1 and 2](#) of *An Anarchist FAQ* have been published!

Freenet users please [Bookmark](#) this Freesite!

Because it is well over the 2MB limit, we need people to bookmark this Freesite to keep it alive! Thank you!

[What Anarchists Say about *An Anarchist FAQ*](#)

[An Anarchist FAQ blog](#)

www.anarchistfaq.org
www.anarchyfaq.org

www.anarchistfaq.org
www.anarchistfaq.org.uk

IPP: newsanarchistfaq@ip.b32 (mirror not managed by us)

ZeroNet: <http://127.0.0.1:43110/15svGCBYesS8QbwsZpaSeLvff6Ar2sk4RB/>

Freenet: USK@k7BcKShQv6pOT64usZalopUJfPZl-ndASpbuzUSU--tbl-aP--EnBCTOHCPfHBLjP0DWQ0kMibFmOuRPvaEAdL9A4YAOACAAE/AnarchistFAQ-!

[What's New in the FAQ?](#)

An Anarchist FAQ

Version 15.0 -- 18-MAR-2014

[Introduction](#)

Section A - [What is anarchism?](#)

Section B - [Why do anarchists oppose the current system?](#)

České fórum › Klimatická změna / Globální oteplování



Klimatická změna / Globální oteplování

Upozornit na nové komentáře

<https://faktaoklimatu.cz>

1 ssdifnskdjfnjdk přidal on Dec 20, 2019

Please sign in – nový komentář

Přihlásit jako...

Odeslat

peerco – on Apr 10, 2020 0

ssdifnskdjfnjdk: Tropické lesy absorbují méně CO2 a během desetiletí by mohly naopak ke globálnímu oteplování přispívat ale co je skutecnym problemem a co by bylo zapotřebi se resit nebude, znacne snizeni odparovani vody do atmosfery a klesani teplotni kapacity atmosfery na zaklade znečisteni atmosfery a na tomto znečisteni jeste i navíc dalsi kondenzující vode, by se melo podporit odparniky vody do atmesfery aby se takto chybejici voda v atmosfere a tím padem chybejici teplotni kapacita atmosfery opet doplnila

ssdifnskdjfnjdk – on Apr 04, 2020 0

ea0000ffff: A kdo by se tomu divil, při součané mediální masáži.
pravda, v tomto směru je dobře že média plní svou funkci a na ten problém upozorňují. Kdyby to nedělali tak by si toho lidi nevšimli a pak by bylo pozdě ... no ono i tak je nejvyšší čas na změny, jelikož to klima má setrvačnost desítky let.

ea0000ffff – on Apr 04, 2020 0

ssdifnskdjfnjdk: "přibývá lidí, kteří se obávají zhoršování životního prostředí. Nyní je to 19 procent, loni 11 procent a v roce 2016 pouhá dvě procenta." CVVM (Centrum pro výzkum veřejného mínění), 2019

A kdo by se tomu divil, při součané mediální masáži.



Why are you here?

Follow in Newsfeed

Why are you reading this message here on Zeronet? Why aren't you browsing and I2P eepsite or a TOR onion site? Or a <insert-random-network-here>?

I'm digging this test run of Zeronet that I'm participating in but hate that I have to have JS enabled to use this thing as intended.

5 [nxm9c2wjbjlhjsrc](#) posted 8 hours ago

Please sign in – new comment

Sign in as...

Submit comment

[kapec](#) – 17 minutes ago 1

Coz I have bunch of hard drives and no idea what to do with them.
Ultimately I want to run it on non-internet-dependant meshnetwork. But It needs to get more popular first.

[dv1](#) – 2 hours ago 1

[geck4bee](#): I'm here because the coverage of the presidential election has revealed the censorship of major SNS.As far as I know, Zeronet is the most useful decentralized network right now.

Rigged elections are a factin every (US democracy like) country since Kennedy assassination.



CONNECTING...

TRACKERS ANNOUNCING: 2, ERROR: 2, DONE: 10

NO PEERS FOUND



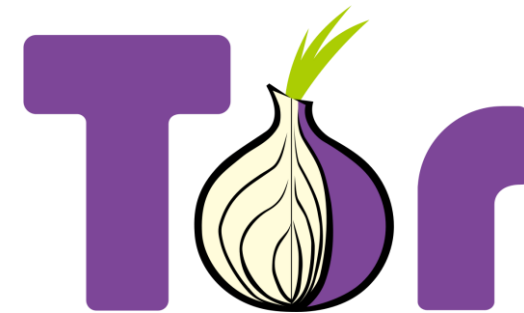
skryté služby

Onion routing



- původ v armádním [výzkumu](#)
- vytvořit spojení, které neprozradí kdo s kým mluví
- nosnou myšlenkou byl **onion routing**
- MIT (2000) – výzkumy *Tor* (The Onion Routing)
- fungování založeno na decentralizované síti

Tor



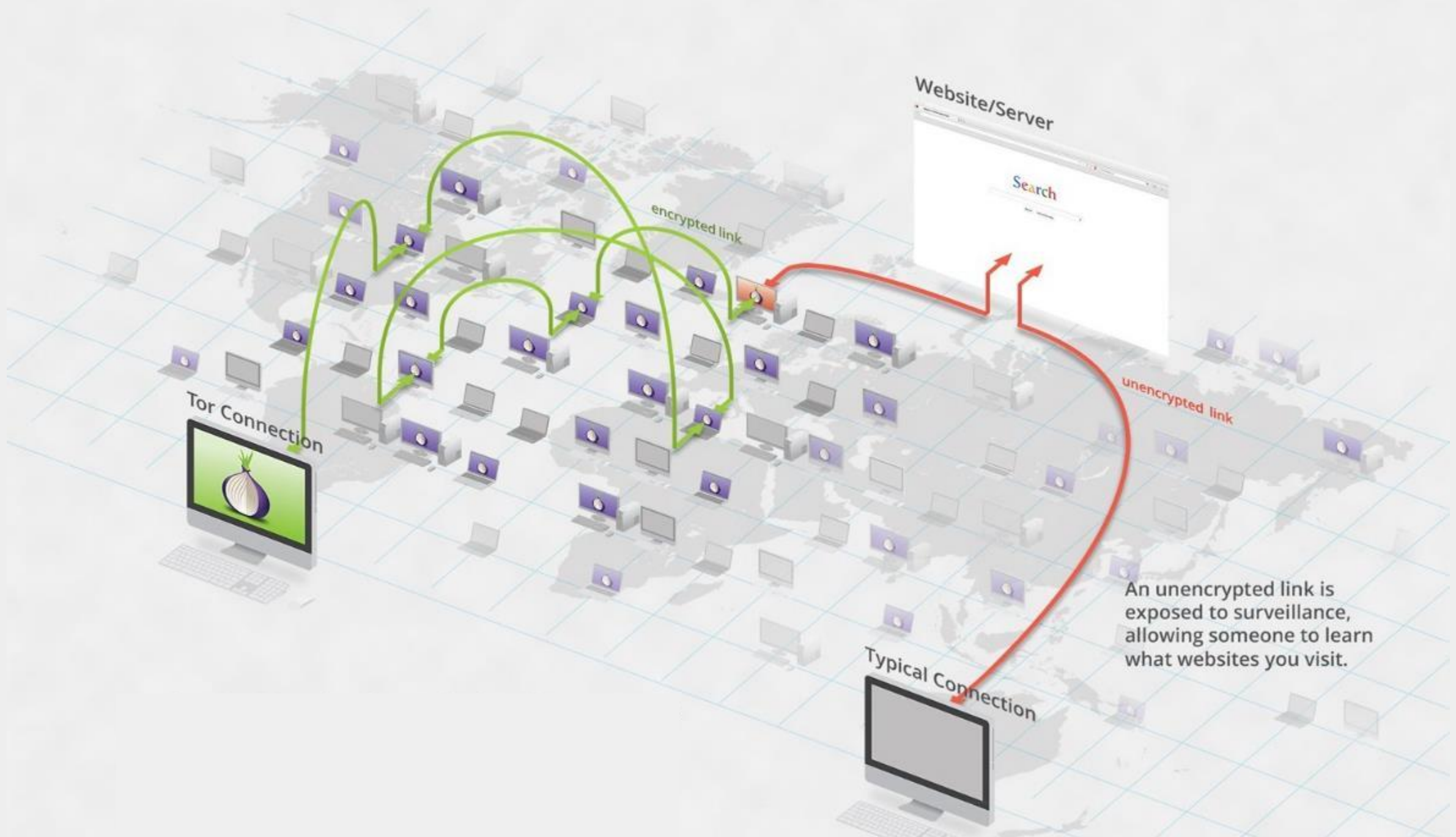
- potřeba uzlů: otevřeno (2002)
- 2004 – podpora EFF
- ALE: technologická náročnost
- **Tor Browser** (2008)
- 2010 – Arabské jaro (*ochrana identity, přístup*)
- 2013 – kauza Snowden

Tor

- zajišťuje anonymita na Internetu
- klientský SW a dobrovolnická síť Tor uzlů
- čím více uzlů, tím rychlejší a bezpečnější
- IP -> *exit relay* IP

Tor | Jak to funguje?

- Tor relay / router / node
- typy relay: middle relay / exit relay / bridge
- minimálně 3 relays na cestě
- *middle* je bezpečné provozovat
- *bridge* překonává cenzuru
- *onion routing a šifrování*



Tor Connection

encrypted link

Website/Server

Search

unencrypted link

Typical Connection

An unencrypted link is exposed to surveillance, allowing someone to learn what websites you visit.

Napadá Vás, jaké
legitimní využití
Tor může mít?



Tor | Využití pro smrtelníky

- k ochraně před marketéry a sledováním
- ochrana dat, která mohou uniknout
- ochrana před vyzrazením lokace skrze IP
- zkoumání a vyhledávání o citlivých tématech
(zkuste si v Číně vyhledat něco o kultuře Tibetu; nemoci...)
- obcházení cenzury pro běžnou funkcionalitu Internetu

Tor | Využití pro smrtelníky

„Does being in the public spotlight shut you off from having a private life, forever, online? A rural lawyer in a New England state keeps an anonymous blog because, with the diverse clientele at his prestigious law firm, his political beliefs are bound to offend someone. Yet, he doesn't want to remain silent on issues he cares about.“

„ People living in poverty often don't participate fully in civil society - not out of ignorance or apathy, but out of fear. If something you write were to get back to your boss, would you lose your job? If your social worker read about your opinion of the system, would she treat you differently?“

Tor | Využití pro novináře

- mnozí novináři nemají jak publikovat
- občanská žurnalistika
- [SecureDrop](#)
- [SecureDrop Directory](#)
- [SecureDrop serveru Investigace.cz](#)
- [GlobaLeaks](#)

Tor | Policejní orgány, armáda...

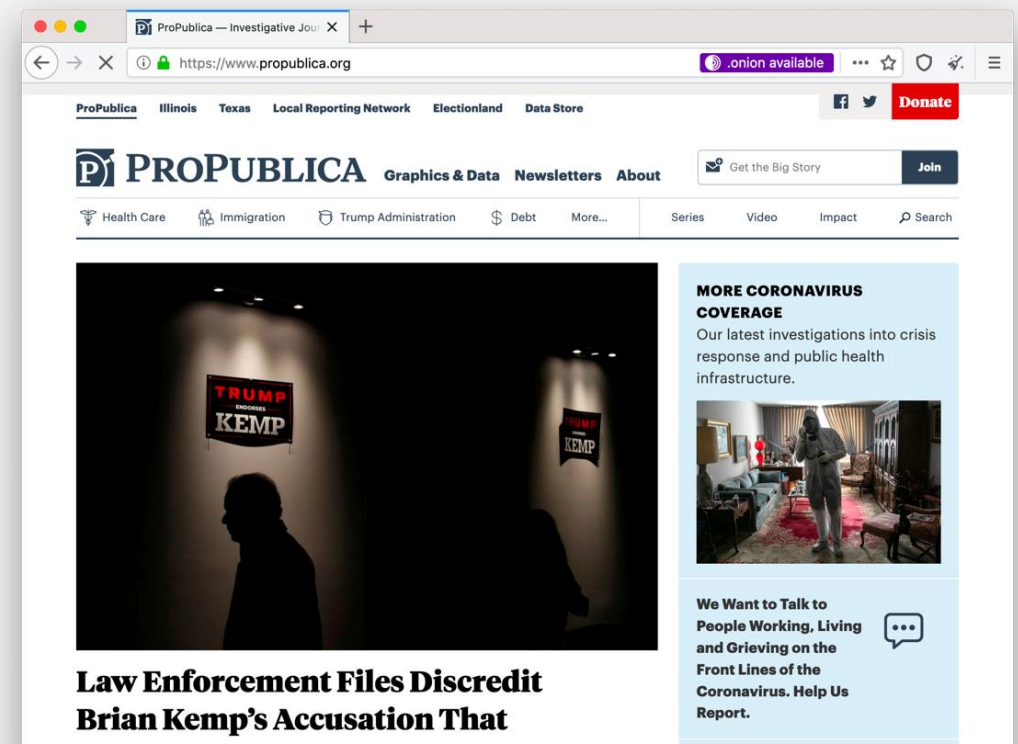
- kontroly nelegálních webů (*krytí vládních IP*)
- vyšetřování, aktivity v utajení
- zpravodajské služby
- reportování zpravodajců z terénu

Tor | Aktivistické skupiny

- obcházení cenzury k reportování z terénu
- whistleblowing

Tor Browser

- <https://www.torproject.org/download/>
- varianta i pro Android / Orbot
- jednoduchost, přístupnost
- *dříve mnohem náročnější*



Our tests indicate that you have **you have strong protection against Web tracking.**

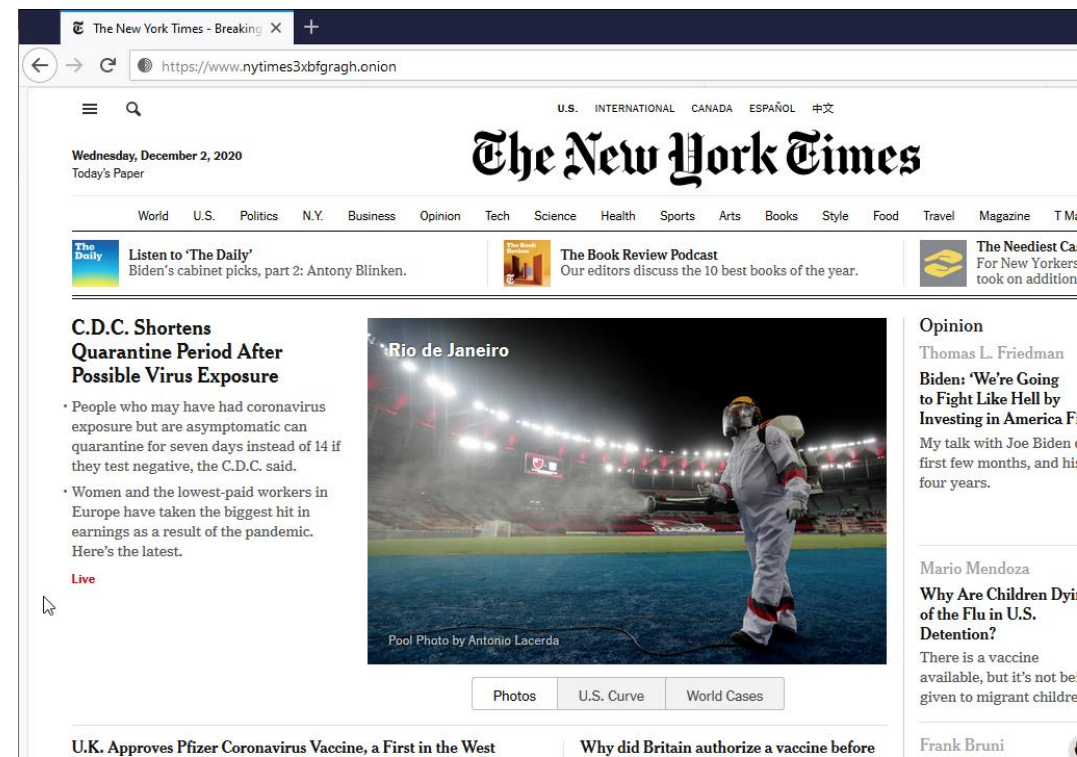
IS YOUR BROWSER:

Blocking tracking ads?	<u>Yes</u>
Blocking invisible trackers?	<u>Yes</u>
Protecting you from <u>fingerprinting</u> ?	<u>Your browser has a non-unique fingerprint</u>

Hidden services

- .onion doména
- speciální doména pro onion služby
- dostupné pouze skrze Tor
- existují *www2onion* brány, ale to ztrácí smysl

www.nytimes3xbfgragh.onion



The screenshot shows a web browser window displaying a hidden service page for The New York Times. The browser's address bar shows the URL `https://www.nytimes3xbfgragh.onion`. The page layout is a mirror of the official New York Times website, including the masthead with the newspaper's name, navigation links for various sections (World, U.S., Politics, etc.), and a main article titled "C.D.C. Shortens Quarantine Period After Possible Virus Exposure". The article text discusses quarantine requirements for asymptomatic individuals. To the right of the article is a large photograph of a person in a full-body white protective suit and mask, standing on a blue field at night. Below the photo is a caption: "Rio de Janeiro Pool Photo by Antonio Lacerda". The page also features several promotional banners for podcasts and other content.

eseje?



sdílení!

P2P setkání!

praskání bublin!

předvánoční NaMI barcamp

spolupráce!

decentralizovaná přednáška!

Jaké služby vám pomáhají v každodenní práci?
Na jaké (legální) weby chodíte a chcete je ukázat
i ostatním? Jak vám Internet změnil život?
Co nejvtipnějšího jste s Internetem zažili?
Co nejhoršího se Vám na Internetu stalo? Jaké
tipy a triky používáte na webu a chcete je
naučit i ostatní? Pojdte to sdílet!

Web
týdne

The screenshot shows a web browser window with the URL <https://guardianproject.info>. The page features a navigation bar with 'ABOUT', 'APPS', 'CODE', 'ARCHIVE', and 'CONTACT'. The 'APPS' menu is expanded, listing various applications: CHECKKEY, CÍRCULO, HAVEN (highlighted with a mouse cursor), LOCATIONPRIVACY, OBSCURACAM, OBSCURACAM: SECURE SMART CAMERA, ORBOT: PROXY WITH TOR, ORFOX, PIXELKNOT, PROOFMODE: VERIFIED WITNESSING, RIPPLE, SAVE, TOR BROWSER FOR ANDROID, and TOR BROWSER FOR ANDROID (ALPHA). The main content area includes a large heading 'Guardian Pro' and several paragraphs of text. A green circular logo is visible in the top left corner. A large black mouse cursor is positioned in the bottom right corner of the browser window.

ABOUT ▾ APPS ▾ CODE ▾ ARCHIVE ▾ CONTACT ▾

Guardian Pro

CHECKKEY
CÍRCULO
HAVEN
LOCATIONPRIVACY
OBSCURACAM
OBSCURACAM: SECURE SMART CAMERA
ORBOT: PROXY WITH TOR
ORFOX
PIXELKNOT
PROOFMODE: VERIFIED WITNESSING
RIPPLE
SAVE
TOR BROWSER FOR ANDROID
TOR BROWSER FOR ANDROID (ALPHA)

While smartphones have been heralded as the coming of the new communication and collaboration, they are a step backwards when it comes to personal security, anonymity and privacy.

Guardian Project creates [easy to use secure apps](#), open-source and [customized solutions](#) that can be used around the world by individuals to protect their communications and personal data from unjust interception and monitoring.

Whether you are an average person looking to affirm your rights as a journalist or humanitarian organization looking to safeguard your communications in a perilous global communication, we can help address the threats.

GUARDIAN PROJECT

<https://guardianproject.info/apps/org.havenapp.main/>