# THE DARK NET

What is the Dark Net, and what can I use it for?

#### Welcome

- Who am I?
  - Jonathan A Burt BSc Cert Mgmt HND FIAP IEng MBCS CITP
    - Batchelor of Science Degree (Open)
    - Professional Certificate in Management
    - Higher National Diploma in Computing
    - Fellow of the Institute of Analysts and Programmers
    - Incorporated Engineer with the Engineering Council
    - Member of the British Computer Society
    - Charted IT Professional
    - PRINCE2 Practitioner
    - Certified Novell Administrator (v5.x)
  - 25+ years experience of working in IT, now retired.
  - Long time member of the Isle of Wight PC User Group!













# Warning!

- As with all my talks, I recommend that you do you own research before making any changes to your PC.
- Also, please ensure you have backed up all of your data before you make changes to your PC.
- The Dark Net is not always a friendly place, so be careful!



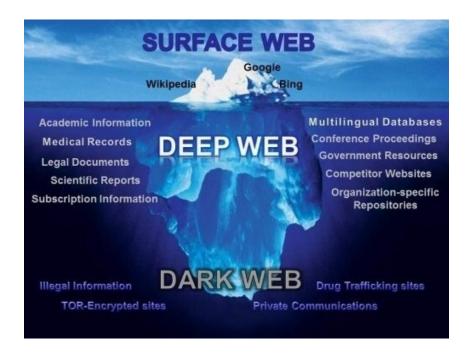
- Most people are confused about what exactly the dark net (sometimes referred to as the dark web) is.
- Firstly, it is sometimes confused with the deep web, a term that refers to all parts of the Internet which cannot be indexed by search engines and so can't be found through Google, Bing, Yahoo, and so forth.
- Experts believe that the deep web is hundreds of times larger than the surface web (i.e. the Internet you get to via browsers and search engines).

What is the dark net?

- In fact, most of the deep web contains nothing sinister whatsoever. It includes large databases, libraries, and members-only websites that are not available to the general public.
- Mostly, it is composed of academic resources maintained by universities. If you've ever used the computer catalogue at a public library, you've scratched its surface.
- Being unindexed, it cannot be comprehensively searched in its entirety, and many deep web index projects fail and disappear.

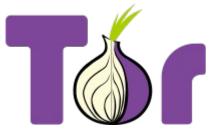
- The dark net (or dark web) is a small part of the deep web.
- Its contents are not usually accessible through standard search engines, but it's something more: it is the anonymous Internet.
- Within the dark net, both web surfers and website publishers are entirely anonymous. Whilst large government agencies are theoretically able to track some people within this anonymous space, it is very difficult, requires a huge amount of resources, and isn't always successful.

Surface web	Deep web	Dark web
anything that can be found via a typical search engine (Google Bing, etc.)	things your typical search engine can't find (government databases, libraries, etc.)	a small portion of the deep web that is intentionally hidden and made inaccessible via normal search engines



#### How do I access the Dark Net?

- The easiest way to access the Dark Net is to use software specifically built for accessing the Dark Net!
- This software is called Tor, and is built on the Firefox internet browser.
- Tor is available for use on Windows, Mac, Linux and Android devices.
- Tor is downloaded from:
  - https://www.torproject.org/



## But, what is Tor?

- From the Tor project website:
  - "Tor is free software and an open network that helps you defend against traffic analysis, a form of network surveillance that threatens personal freedom and privacy, confidential business activities and relationships, and state security."
- In simpler terms, the main function of Tor is to allow you to browse the Internet with anonymity (including bypassing firewalls and censorship), however, utilising the features of the routing process it's also possible to access private websites (i.e. the dark net).

# The history of Tor

- The core principle of Tor, "onion routing", was developed in the mid-1990s by United States Naval Research Laboratory employees, mathematician Paul Syverson, and computer scientists Michael G. Reed and David Goldschlag, with the purpose of protecting U.S. intelligence communications online.
- Onion routing was further developed by DARPA in 1997.

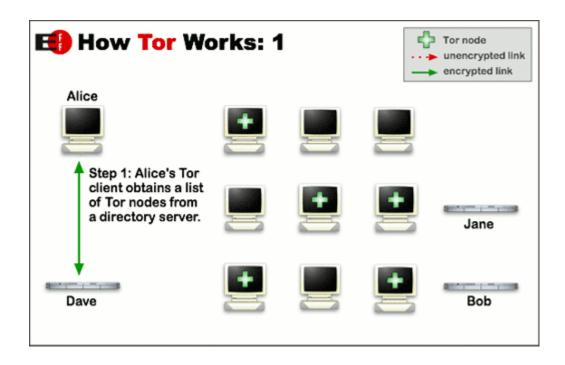




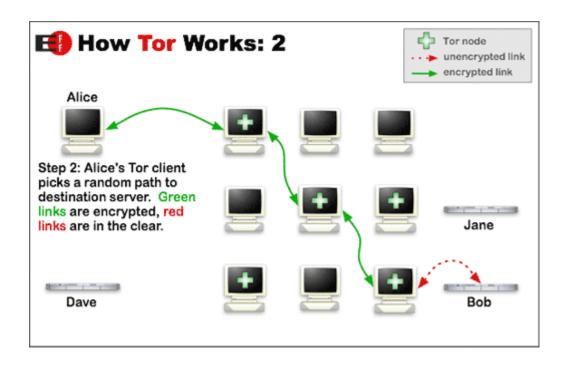
# The history of Tor

- The alpha version of Tor, developed by Syverson and computer scientists Roger Dingledine and Nick Mathewson and then called The Onion Routing project, or TOR project, launched on 20 September 2002.
- The first public release occurred a year later. On 13
   August 2004, Syverson, Dingledine, and Mathewson presented "Tor: The Second-Generation Onion Router" at the 13th USENIX Security Symposium.
- In 2004, the Naval Research Laboratory released the code for Tor under a free license, and the Electronic Frontier Foundation (EFF) began funding Dingledine and Mathewson to continue its development.

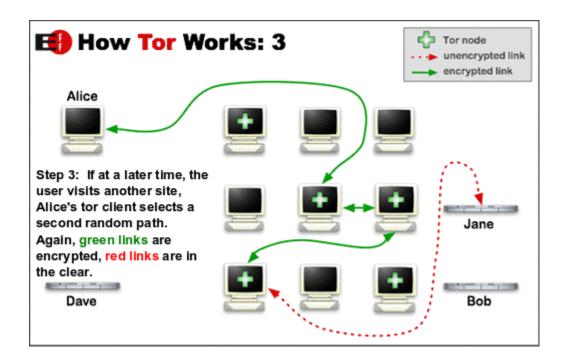
### How does Tor work?



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#### How does Tor work?



#### Who uses Tor?

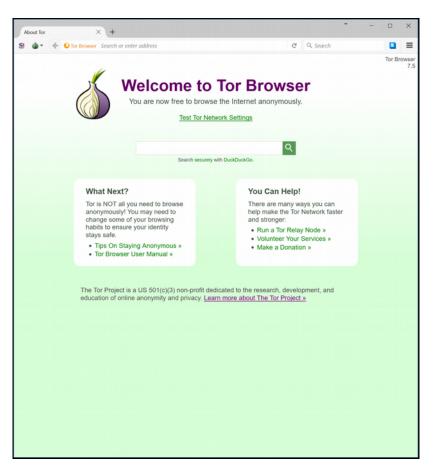
- Individuals use Tor to keep websites from tracking them and their family members, or to connect to news sites, instant messaging services, or the like when these are blocked by their local Internet providers (and governments). Tor's onion services let users publish web sites and other services without needing to reveal the location of the site.
- Individuals also use Tor for socially sensitive communication: chat rooms and web forums for rape and abuse survivors, or people with illnesses.
- Journalists use Tor to communicate more safely with whistleblowers and dissidents. Non-governmental organisations (NGOs) use Tor to allow their workers to connect to their home website while they're in a foreign country, without notifying everybody nearby that they're working with that organisation.

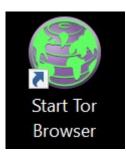
#### Who uses Tor?

- Activist groups like the Electronic Frontier Foundation (EFF)
   recommend Tor as a mechanism for maintaining civil liberties online.
- Corporations use Tor as a safe way to conduct competitive analysis, and to protect sensitive procurement patterns from eavesdroppers. They also use it to replace traditional VPNs, which reveal the exact amount and timing of communication. Which locations have employees working late? Which locations have employees consulting job-hunting websites? Which research divisions are communicating with the company's patent lawyers?
- A branch of the U.S. Navy had admitted to using Tor for open source intelligence gathering, and one of its teams used Tor while deployed in the Middle East recently.
- Law enforcement uses Tor for visiting or surveilling web sites without leaving government IP addresses in their web logs, and for security during sting operations.

#### How do I use Tor?

 Basically, just like any other browser, you download and install it, then use it.



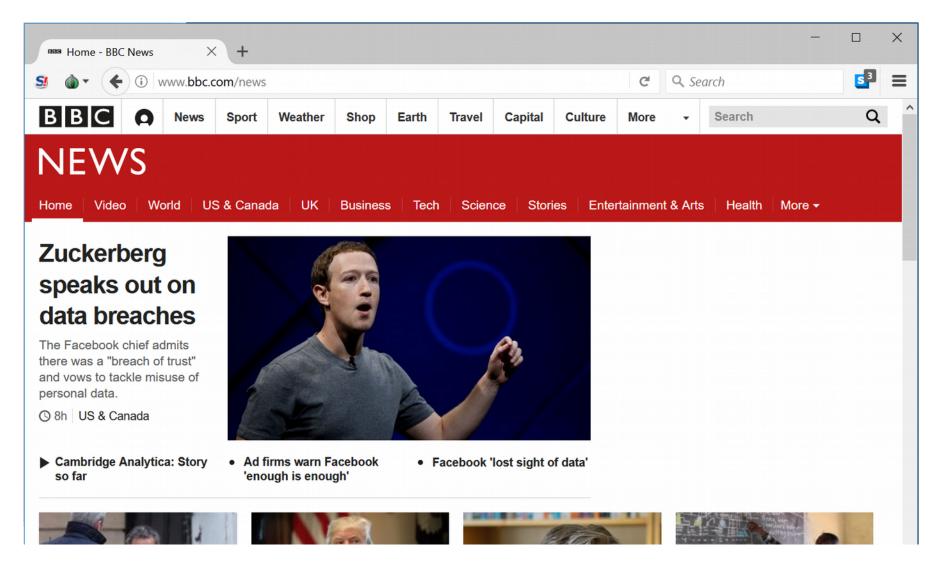


# Take note of the warning...

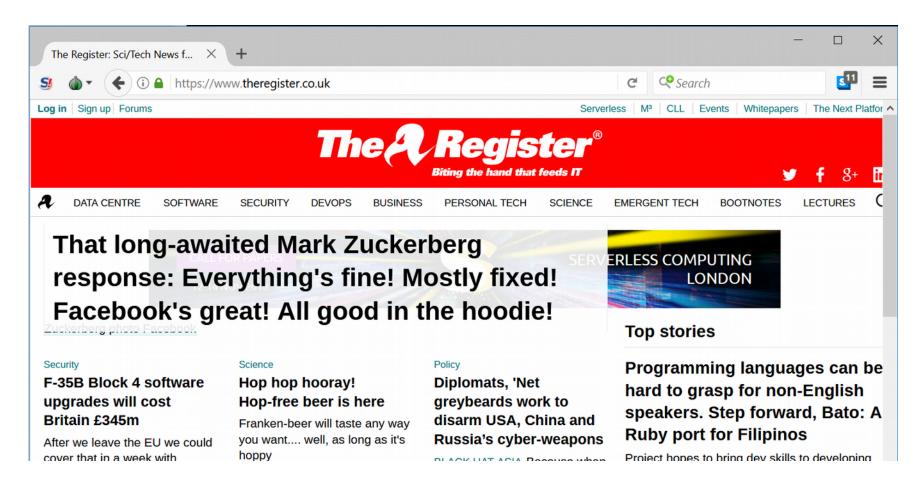
- Tor is NOT all you need to browse anonymously!
  - a) Use Tor Browser
  - b) Don't torrent over Tor
  - Don't enable or install browser plugins (within Tor)
  - d) Use HTTPS versions of websites
  - e) Don't open documents downloaded through Tor while online
  - f) Use bridges and/or find company



# **Anonymous Browsing - http**



# **Anonymous Browsing - https**



# Anonymous Browsing – IP?

IP Address	Country	Region	City
62.210.157.133	France 📶	lle-de-France	Paris
ISP	Organization	Latitude	Longitude

IP Address	Country	Region	City
93.115.86.6	Romania 🜇	Bucuresti	Bucharest
ISP	Organization	Latitude	Longitude

#### The Dark Side

- However, apart from the benefits for people to browse the internet anonymously, as mentioned earlier, there is a darker side of the dark net.
- Please Note: I am not advertising or advocating the use of these sites, nor am I recommending them. This is only an example of what is out there!



# Example .onion URLs

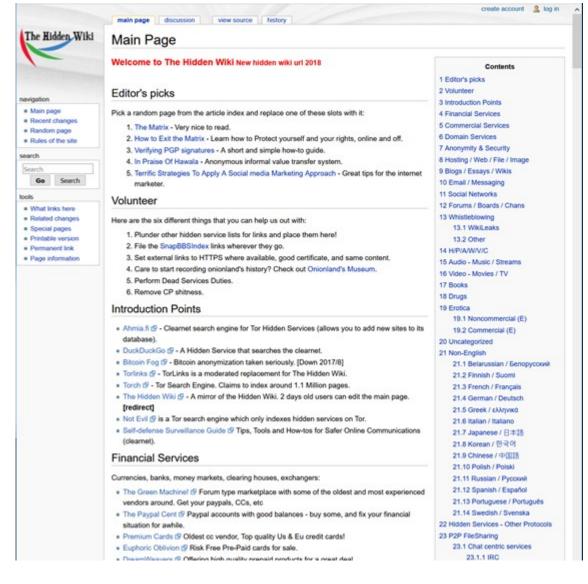
This is what the "dark net" URLs look like:

http://5gc3hz69uifzzgwu.onion/http://hpuuizeld2cz2fd3.onion/http://am4wuhz3ziffxz5u.onion/http://jhigjjlqpyawmpjx.onion/

- These will only work with Tor.
- The address is generally non-identifying.



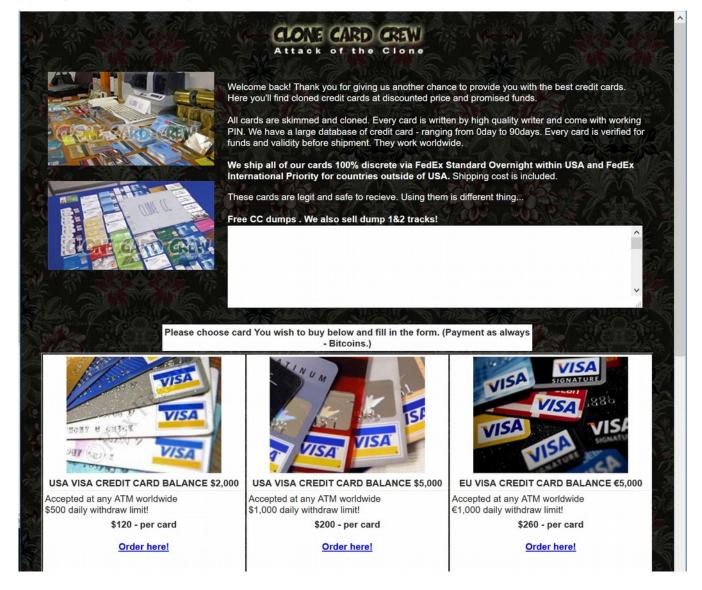
#### The Hidden Wiki



# Counterfeit Factory



### Clone Card Crew



## **BitPharma**



PRODUCTS FAQS REGISTER LOGIN

#### **Stimulants**



Uncut Cocaine and Speed!

Product	Price	Quantity
1g pure Cocaine	85 EUR = 0.012 B	1 X Buy now
2g pure Cocaine	160 EUR = 0.023 B	1 X Buy now
5g pure Cocaine	375 EUR = 0.053 B	1 X Buy now
25g pure Cocaine	1375 EUR = 0.194 B	1 X Buy now
10g pure Speed	90 EUR = 0.013 B	1 X Buy now
50g pure Speed	390 EUR = 0.055 B	1 X Buy now
100g pure Speed	650 EUR = 0.092 B	1 X Buy now
2g pure Crystal Meth	100 EUR = 0.014 B	1 X Buy now
10g pure Crystal Meth	400 EUR = 0.056 B	1 X Buy now
50g MDMA Crystals	1000 EUR = 0.141 B	1 X Buy now

# WikiLeaks Submission Upload

#### - English - Français - Deutsch WikiLeaks Submission - Español **Upload** Select files to upload Browse... No files selected. Note: This interface has a progress report for your upload if you enable Javascript. It will still upload properly without Javascript. Note: We encrypt your submission on upload, but you may, if able, further encrypt using our public PGP key. Our PGP key's fingerprint is A04C 5E09 ED02 B328 03EB 6116 93ED 732E 9231 8DBA We also encrypt the below form on upload. The form is for WikiLeaks staff information only. Although no fields are mandatory we recommend providing this information where possible. To ensure WikiLeaks can publish with maximum impact while protecting sources, please don't contact anyone else, including other media, about your submission. If you have any questions, you can chat with the WikiLeaks editorial office here. What are the main subjects or topics that this submission concerns? Has this material been published before, and if so, where? (describe how you know it has not been published elsewhere - for material under censorship attack, or accidentily exposed, please list the URLs or publication issue and date concerned) Which organisations, groups or individuals are involved in this material? (comma separated list) Which organisations, groups or individuals would officially have access to this material? (ie is it officially distributed throughout all people in organisation x or to multiple people in a group of organisations, or just to a few people etc, and who are they all?) What is the threat to the sources?

# The Pirate Bay



ate Search		Prefere
		Langua
ll □Audio □Video	☐ Applications ☐ Game	es Porn Other
Pirate Se	earch I'm Feeling Luc	:ky
A		All Audio Video Applications Game  Pirate Search I'm Feeling Luc

Login | Register | Language / Select language | About | Blog Usage policy | TOR | Doodles | Forum

BTC: 3HcEB6bi4TFPdvk31Pwz77DwAzfAZz2fMn
BTC (Bech32): bc1q9x30z7rz52c97jwc2j79w76y7l3ny54nlvd4ew

LTC: LS78aoGtfuGCZ777x3Hmr6tcoW3WaYynx9

XMR: 46E5ekYrZd5UCcmNuYEX24FRjWVMgZ1ob79cRViyfvLFZjfyMhPDvbuCe54FqLQvVCgRKP4UUMMW5fy3ZhVQhD1JLLufBtu BCH: Bcash. LOL





## EuroGuns



**Products** 

FAQ:

Register

Login

#### Walther PPK, Kal.7,65



New and unused and unregistered!

Ammo can only be purchased if you also buy the gun.

Product	Price	Quantity
Walther PPK, Kal.7,65	600 EUR = 0.085 B	1 X Buy now
Ammo, 50 Rounds	40 EUR = 0.006 B	1 X Buy now

## **FakeID**





Pricing

Country	Price for Passport	Price for Passport + Driving license	Price for Passport + ID card	Price for Passport + Driving license + ID card
Australia	600 Euro	700 Euro	700 Euro	800 Euro
Belgium	500 Euro	600 Euro	600 Euro	700 Euro
Brazil	400 Euro	550 Euro	550 Euro	650 Euro
Canada	600 Euro	700 Euro	700 Euro	800 Euro
Ireland	500 Euro	600 Euro	600 Euro	700 Euro
Italia	550 Euro	650 Euro	650 Euro	750 Euro
Finland	500 Euro	600 Euro	600 Euro	700 Euro
France	600 Euro	700 Euro	700 Euro	800 Euro
Germany	600 Euro	700 Euro	700 Euro	800 Euro
Malaysia	450 Euro	550 Euro	550 Euro	650 Euro
Netherlands	600 Euro	700 Euro	700 Euro	800 Euro
Norway	650 Euro	750 Euro	750 Euro	850 Euro
Poland	500 Euro	600 Euro	600 Euro	700 Euro
Portugal	500 Euro	600 Euro	600 Euro	700 Euro
Spain	550 Euro	650 Euro	650 Euro	750 Euro
Switzerland	650 Euro	750 Euro	750 Euro	850 Euro
Sweden	550 Euro	650 Euro	650 Euro	750 Euro
United Kingdom	650 Euro	750 Euro	750 Euro	850 Euro
USA	700 Euro	800 Euro	800 Euro	900 Euro

For some countries (australia, brazil, canada, malaysia, usa) we have an unique option to register passports in official government department databases. To get more details please contact with our manager: <a href="mailto:fakeidpassport@protonmail.com">fakeidpassport@protonmail.com</a>

Additional services	Price for one unit	
Documents duplicating	Extra 100 Euro	
Visa/stamps affixion	Extra 25-110 Euro	

Prices on specific services like producing passports and documents for countries not listed above, duplicates, stamps, diplomatic passports and others should be discussed with our operator and may be variable so contact us to get more info.

### The Sicilian Mob



The Sicilian Mob is the proven legitimate Deep Web eBay of crime. We deploy a large international network of experienced hitmen who provide services to beat up, set fire or kill customers targets.

Anonymous customers privately post jobs and we assign an hitman within the same country of the target, with appropriate skills that match the job specifications. No expensive flights, nor expensive fake documents keeps the price to the lowest possible.

Our goal is to intermediate the business between customers and criminal service providers for a small fee while providing a secure way for payment and the highest level of security.





Customers are fully anonymous: no name, no email address, no phone number, no bank account nor credit card, no IP. Only an username and password. We advice customers to hide their IP using tools such as the Tor Browser, Proxies and VPNs.

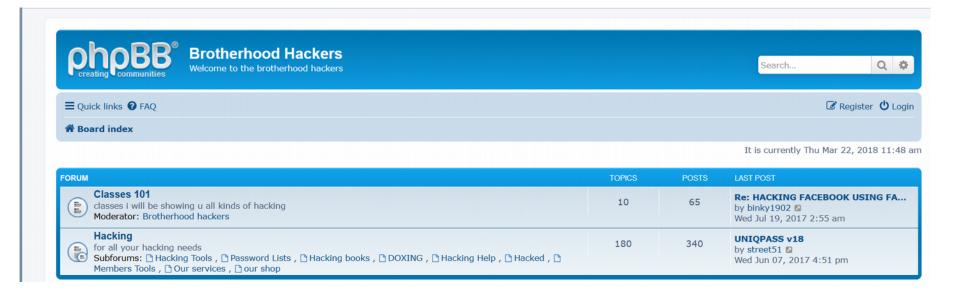
Payment is secure via an anonymous way, zero risk: bitcoin and monero. The transaction is considerably safer than a street-based criminal service as we don't ask for any cash advance. Most hitmen on dark alleys require a 50% cash advance payment before the murder to protect them against losses from non-payment. You can't do much about it if the hitman takes the money and vanishes.

No risky meet-ups are required. You are exposed to the potential of blackmail if you meet a hitman face to face. On the internet, you are anonymous.

Hire a killer the safe and easy way, by providing only target information, while hiding your IP. We will assign a proven hitman who has already completed jobs in the same country as your victim. Our hitmen will be able to complete your orders efficiently and discretely.

The payment is through Bitcoin with escrow, after the hit is successful. Bitcoin is an easy way to pay online, and it can be highly anonymous because the customer doesn't expose his credit card or bank account to our site. Bitcoin is one of the few payment methods that keeps the customer, market and hitman anonymous. Each job is done according to the customer requirements and we rely on satisfied users to spread the word.

#### **Brotherhood Hackers**



# The Library





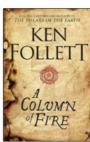
#### ~ The Library ~

#### Protecting your Freedom to Read since 2010

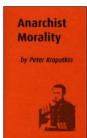
















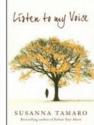


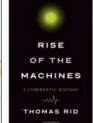














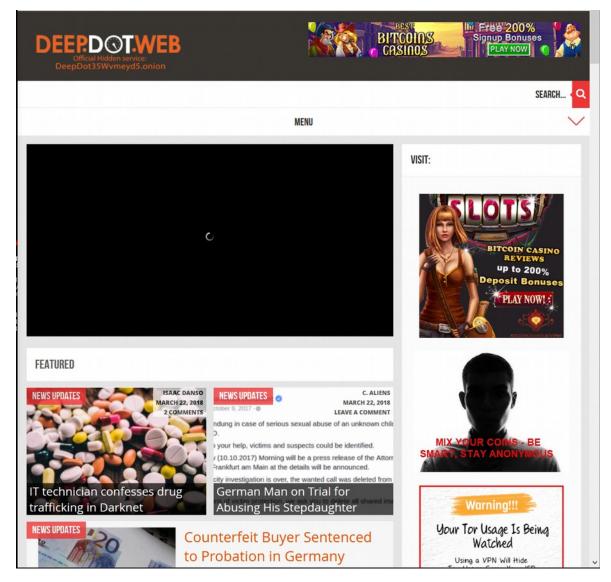








# Deep.Dot.Web



#### A Final Word of Advice

- Anyone can access this hidden internet very easily, but if you decide to go exploring please be very careful.
- There is a lot of unsavoury content as well as a large number of criminals.
- Don't just click links without thinking about where you might end up, what you might see, or whom you might meet.

#### **Further Information**

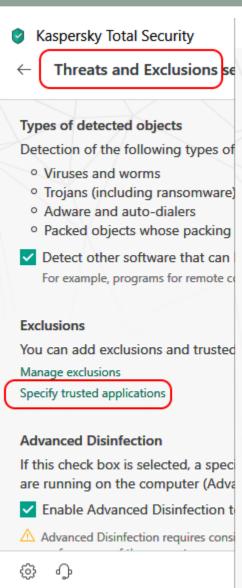
- Wikipedia
  - https://en.wikipedia.org/
- Lots of useful tutorials
  - http://www.howtogeek.com/
- TechRadar has a good selection of reviews.
  - http://www.techradar.com/
- The Onion Router
  - https://www.torproject.org/



## Questions?

Does anyone have any questions?





$\overline{}$	Tor Browser f:\tor browser\browser\firefox.exe
	Do not scan files before opening
	Do not monitor application activity
	Do not inherit restrictions from the (application's) parent pro
	Do not monitor the activity of child applications
	Apply exclusion recursively
	Allow interaction with the Kaspersky Total Security interface
~	Do not scan encrypted traffic ∨
	Only for specified IP addresses:
	For example: 123.123.0.1, 192.168.0.1
	Only for specified ports:
	Only for specified ports: