Be Anonymous Online: to protect Identity and Safeguarding privacy

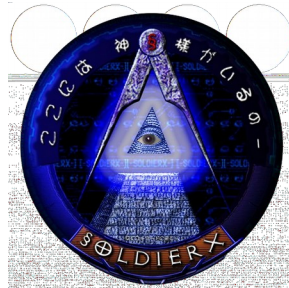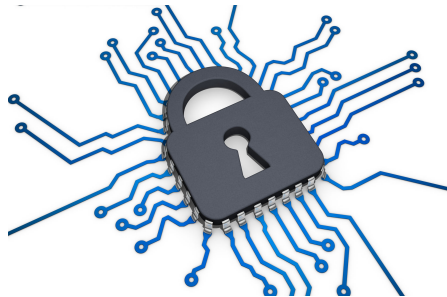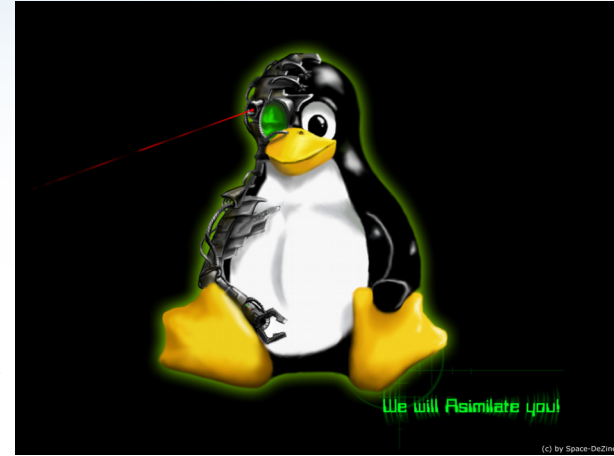## E-Privacy 2018 F. Carletti aka Ryuw

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- Security specialist IT

- Membro Soldierx

- Titolare Lejot OpenSource tecnology

- I like Unix ;-)

Privacy – riservatezza o privatezza – il diritto alla riservatezza della vita privata di una persona. wikipedia

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- Google log keywords - googlemaps.

- Facebook – Cambridge Analytica data scandal

- Google has often had to face criticism for spying on users' emails to search for keywords, which are then sold to advertisers to show relevant advertisements to you.

Android

- Il sistema operativo Android incluso in smartphone e tablet è spesso modificato con l'aggiunta di applicazioni proprietarie di Google ed altri e potrebbe compromettere la tua privacy. Consigliamo caldamente di sostituirlo con uno tra Replicant

Windows

- Microsoft Windows è affetto da PRISM. Anche usando i software consigliati, la tua privacy potrebbe essere compromessa da Windows.

ARGUING THAT YOU DON'T CARE ABOUT THE RIGHT TO PRIVACY BECAUSE YOU HAVE NOTHING TO HIDE IS NO DIFFERENT THAN SAYING YOU DON'T CARE ABOUT FREE SPEECH BECAUSE YOU HAVE NOTHING TO SAY.

EDWARD SNOWDEN

CITIZENFOUR

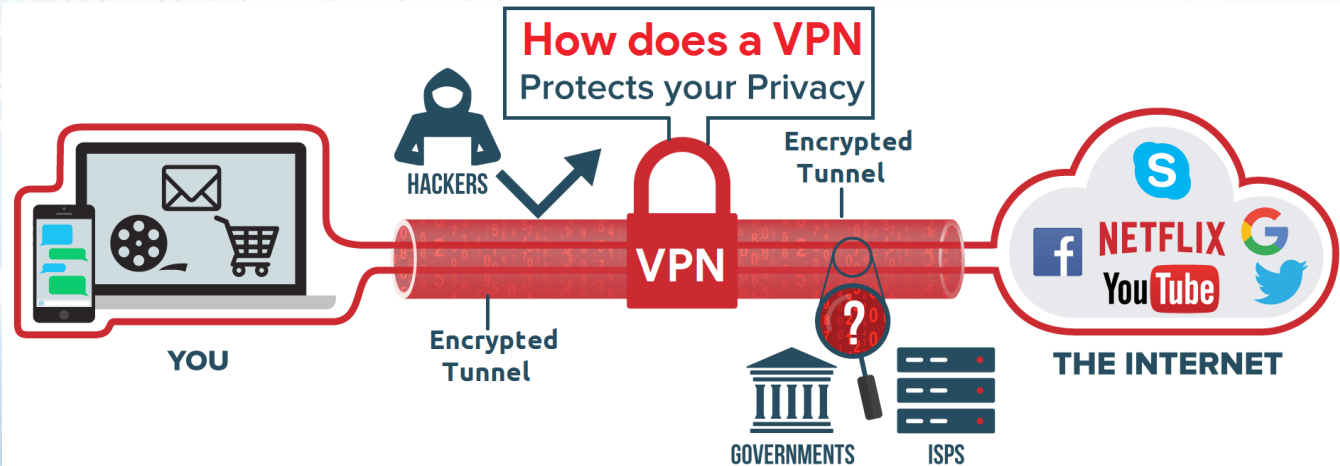ON BLU-RAY AND DVD
AUGUST 25

THE LINUX FORCE

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- VPN – Virtual Private Network serves the purpose of encrypting your uplink and downlink traffic through an encrypted tunnel

- If you choose to be anonymous online, VPN is a great option.

- VPN is one of the Textbook approach to be anonymous online.

- Windscribe (Chrome & Windows), TunnelBear (Windows, Mac, Android, iOS, Browser), AirVPN (Linux), PowerVPN (Android), SafeIP (Windows).

Vpn -- E-Privacy 2018 --

-VPN spoofs your IP address by routing your internet connection through a proxy server.

-VPN encrypts all of your internet traffic, protecting you from Hackers, ISP Spying, and Govt. Surveillance

How does a VPN Protects your Privacy

HACKERS

Encrypted Tunnel

VPN

Encrypted Tunnel

YOU

Encrypted Tunnel

?

GOVERNMENTS   ISPS

THE INTERNET

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- TOR – The Onion Router
- it is a free software which lets you do anonymous web browsing by routing your traffic through a free worldwide encrypted
- Using Tor makes it more difficult to trace Internet activity to the user: this includes "visits to Web sites, online posts, instant messages, and other communication forms.
- Download Tor Browser (Windows), Download Orbot (Android Play Store)

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- TOR

How TOR Works?
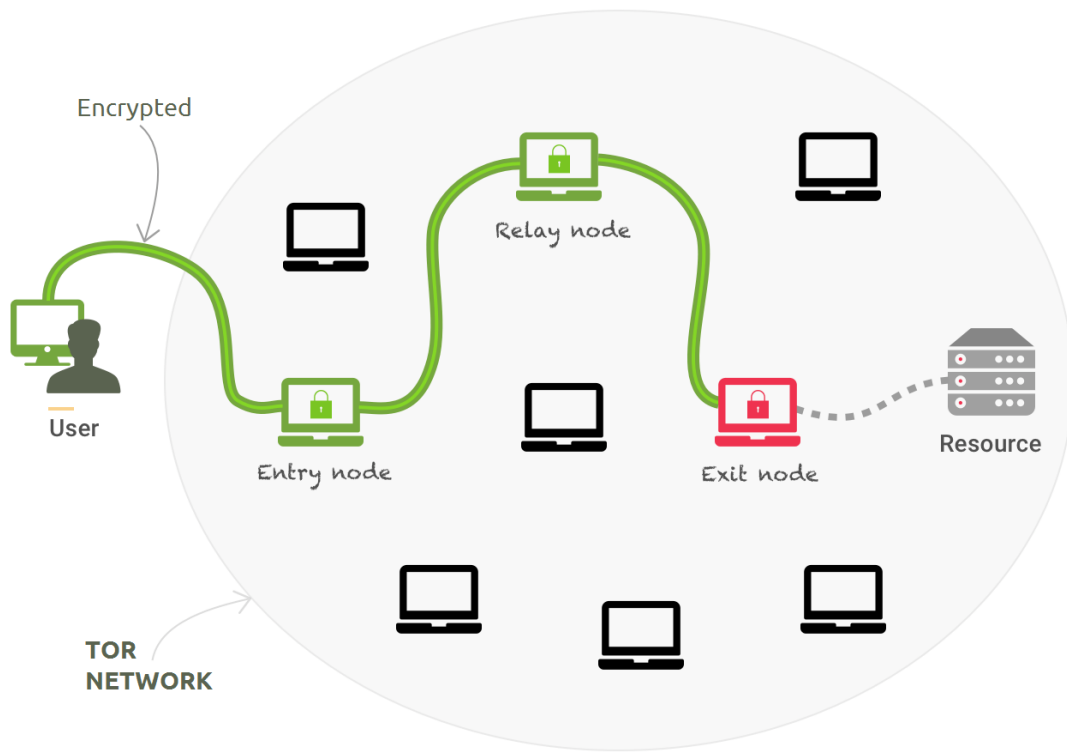
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- EMAIL

- Gmail and other email services also encrypt its emails, so a random hacker won't be able to snoop on your emails. Unfortunately, only Google has the Keys to decrypt your emails, which they always do to get contextual keywords. So if privacy is your overriding concern you should be better off with encrypted email services to ensure your anonymity.

Some best/free Encrypted Email Services

- Proton Mail - This encrypted email service was founded by CERN Researchers at Geneva, Switzerland - It provides end-to-end encryption using AES, RSA and OpenPGP encryption algorithms

- Tutanota - This encrypted email provider is also very similar to Proton mail in terms of security and encryption,Like Proton Mail, It's servers are also based in Switzerland, because of fierce privacy laws of Swiss Govt. and to keep it out of reach from FBI, CIA and NSA hands.

anonymous file sharing

- FirefoxSend - It is a free and standalone file sharing service made by Mozilla it offers a web-portal interface, which can be accessed by any web-browser. Also if the link isn't been opened for 24hours it gets del automatically.(send.firefox.com)

- OnionShare - It's servers are also based in Switzerland, because of fierce privacy laws of Swiss Govt. and to keep it out of reach from FBI, CIA and NSA hands. Even Whistleblower Edward Snowden has reported the use of this software.

Secure Messaging highly encrypted

Generally, Messaging apps employ end-to-end encryption, where the copies of messages are deleted from the server once it is delivered to the user. But that's not enough. Let's take a look at a few best secure messaging service which will let you be anonymous online.

-Signal Private Messenger It's one of the few apps to claim an endorsement from Whistleblower Edward Snowden, It uses an advanced end-to-end encryption to secure all the messages shared with other Signal users.

Secure Messaging highly encrypted

Silence - is an encrypted SMS app which lets you send SMS messages without internet. And what's greater is that it's so heavily encrypted, even your ISP can't snoop on your SMS messages.

Wickr - employs multiple layers of encryption to secure your data and messages, both at rest and In transit. GDPR requires that organizations put in place sufficient data protection measures to ensure that:1)data is securely processed,2)no unauthorized party can access it, and 3)only necessary data is collected for a finite period of time.

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So this was a pretty much detailed guide to be anonymous online, certainly, this did not cover obvious things like Keeping a strong password, logging out from devices etc. But rather it was an advanced approach covering pretty much every aspect of your internet usability where there is a possibility of someone looking onto your digital life

INTERNET
PRIVACY

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"Qui ci troviamo di fronte ai problemi di perdita della privacy, computerizzazione strisciante, enormi database, maggiore centralizzazione – Chaum (DigiCash) offre una direzione completamente diversa, mette il potere nelle mani di individui invece che di governi e società: il computer può essere usato come strumento per liberare e proteggere le persone, piuttosto che per controllarle".

Hal Finney, sulla mailing list dei Cypherpunks nel 1992

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Links utili

https://www.fightforthefuture.org/

https://prism-break.org/it/projects/gnunet/

https://securityinabox.org/en/

https://prism-break.org/it/projects/syndie/

https://prism-break.org/it/projects/tor/

https://guardianproject.info/

freenetproject.org

GRAZIE PER L'ATTENZIONE!!