



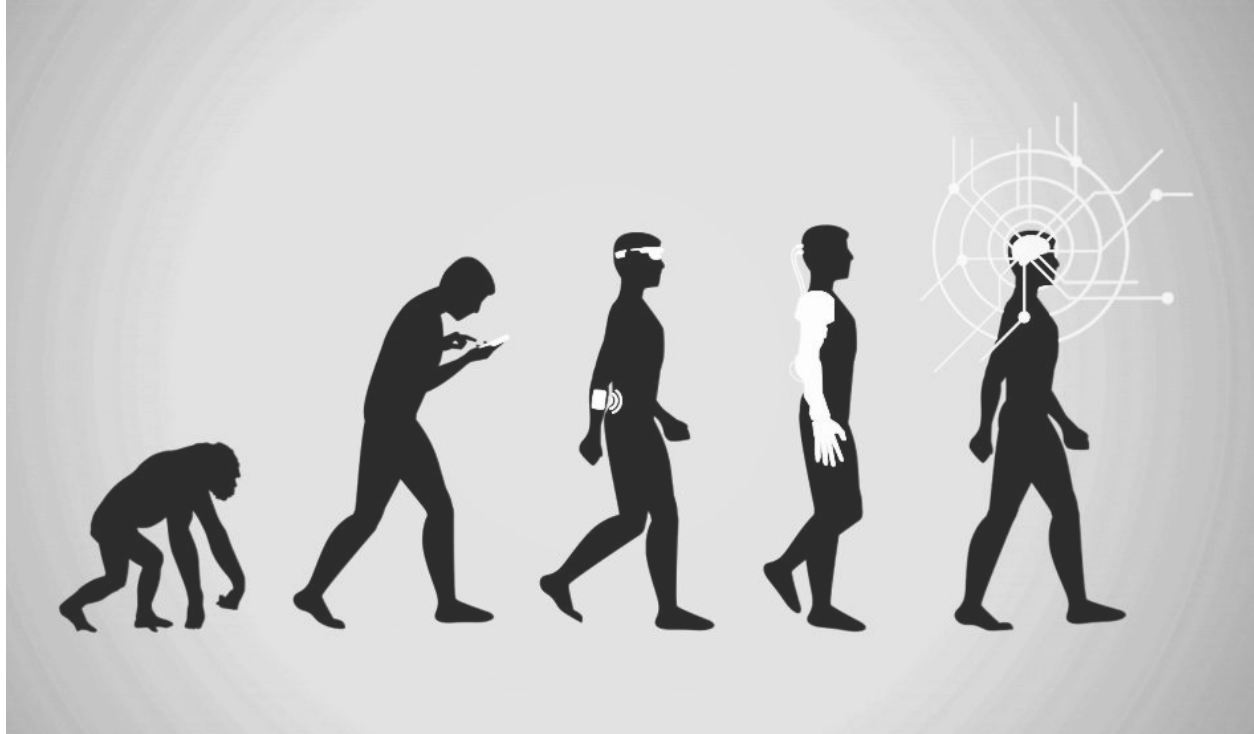
Fight for digital privacy

Webcamp Ljubljana 2017

Dusan Stankovic
@dulerock



World 2.0



What is Privacy actually?

“Once you’ve lost your privacy, you realize you’ve lost an extremely valuable thing.” - Billy Graham

Personal story

“Sarcasm: the last refuge of modest and chaste-souled people when the privacy of their soul is coarsely and intrusively invaded.” - Dostoevsky

Facebook government requests

	Data requests	User/Accounts Requested
Slovenia	14	15
Serbia	45	70
United States	23854	38951

<https://govtrequests.facebook.com>

Google government requests

	Data requests	User/Accounts Requested
Slovenia	20	90
Serbia	3	3
United States	14168	30123

<https://www.google.com/transparencyreport>

The good the bad and the ugly

Some examples of private data collection:

- Amazon Echo
- Pokemon Go
- Google Photos

Warrant canary

“The FBI was not here”

I have nothing to hide

“Don’t confuse privacy with secrecy. I know what you do in the bathroom, but you still close the door. That’s because you want privacy, not secrecy.”

Can we protect ourselves?

ENCRYPT
ALL THE
THINGS!



And encryption is?

Wiki says: “encryption is the process of encoding a message or information in such a way that only authorized parties can access it.”

- Heavy math behind
- Asymmetric keys commonly in use (aka private and public keys)

#1 Passwords

Use case: Runner2016

Advice:

- Generate long random passwords
- KeePassX and equivalents (skip LastPass, etc...)
- Share db and key files over dropbox/gdrive...

#2 Hard drive

Use case: Lost laptop

Advice:

- Encrypt HD drives
- FileVault, BitLocker

#3 Chat apps

Use case: Skype Vault7

Advice:

- Use encrypted chat apps
- I like Signal, developed by open whisper systems, it's open source, you can hack it, adjust it, compile it
- Any other encrypted app is ok if you trust the vendor...

#4 Browsing

Use case: Targeted ads, Man in the middle

Advice:

- Always HTTPS (HTTPS everywhere)
- Google is a necessity, but Duckduckgo works very well too
- Privacy Badger extension - kills analytics tools
- Self-destructive cookies - destroy cookies

#5 Email

Use case: Gmail anyone? Yahoo leaks...

Advice:

- Protonmail, located in CH, encrypted mailbox
- Password protection email

#6 TrueCrypt & PGP

Use case: I don't trust anyone

Advice:

- TrueCrypt, you can create a virtual HD and put whatever you want there, it'
- PGP suite, uploads your public key online, and then you can encrypt whatever you want manually

Last, but not least

BALANCE IT, DON'T GET TOO PARANOID

Thanks!