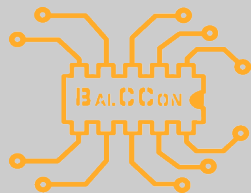




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Toll of personal privacy in 2018



@KirilsSolovjovs

<http://kirils.org>

“Privacy is dead”



16 May 2018, Twitter







“Meh, that’s just China being China!”

OK. What about Europe?

Visas — biometry



Passports — biometry



not requiring a fingerprint



storing fingerprint only in passports



storing the hash of fingerprints in DB



storing the whole damn fingerprint in DB

Banks know what you buy

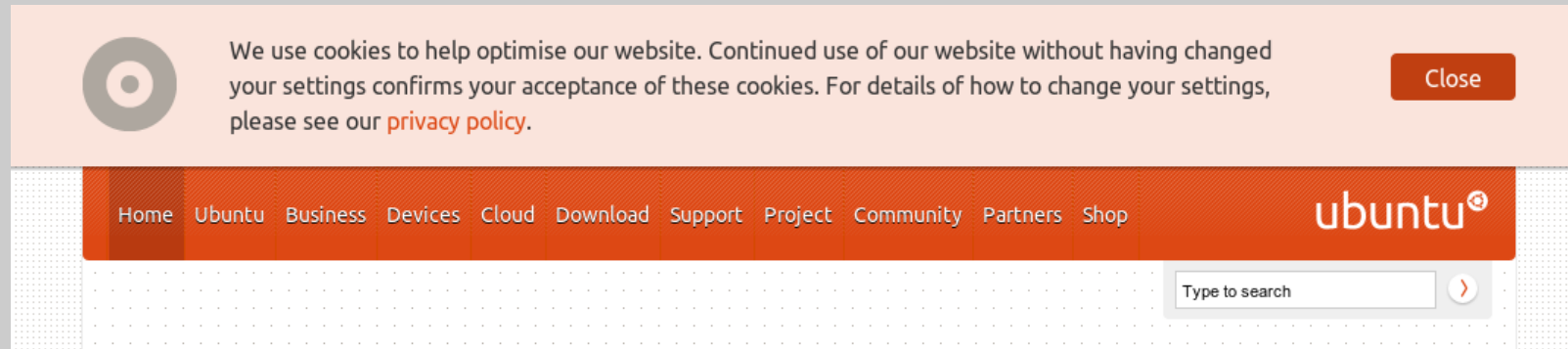


Online profiling



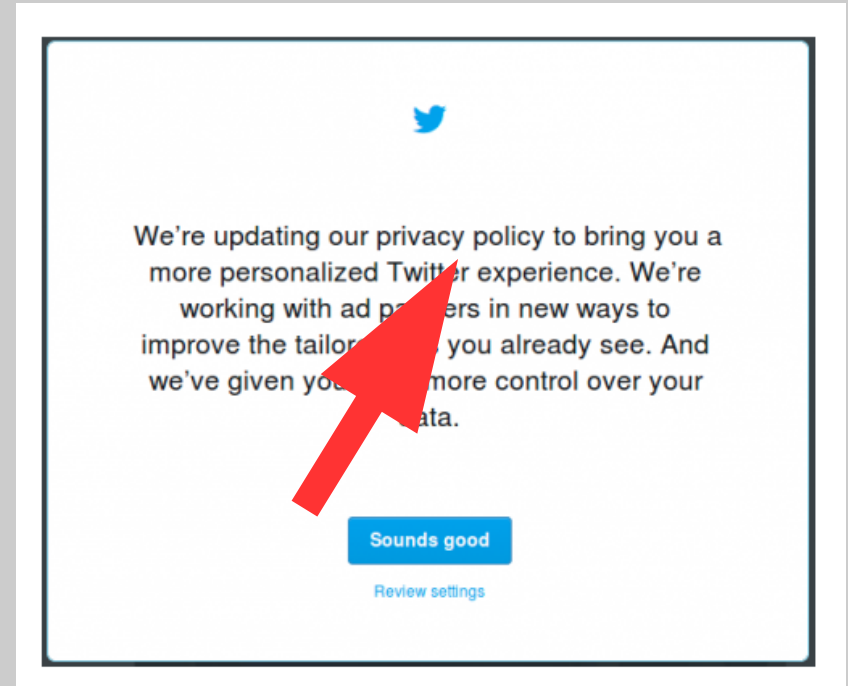
Online profiling

- EU fixed that in May 2011!



Online profiling

- ~~EU fixed that in May 2011!~~
- EU fixed that in May 2018!



Online profiling

- ~~EU fixed that in May 2011!~~
- ~~EU fixed that in May 2018!~~



CCTV



Alright alright, but ...

Privacy is for criminals



Not really. In fact ...



27 May 2018, POLITICO

Privacy is power

“Privacy [is] power dynamics between the individual, the state and the market.”

“As recent scandals have illustrated so vividly, privacy is also about the autonomy, dignity, and self-determination of people [..]”

“[Data protection] must seek to mitigate the inherent power imbalances between people – and those that collect, process and profit off their data.”

27 May 2018, POLITICO

Personal privacy choices

Zealously fighting for my privacy over the past 5+ years

Operating system

- Before: Windows 98 => Ubuntu Linux
- After: Linux Mint
- Cost: Slower software updates



Browsing habits

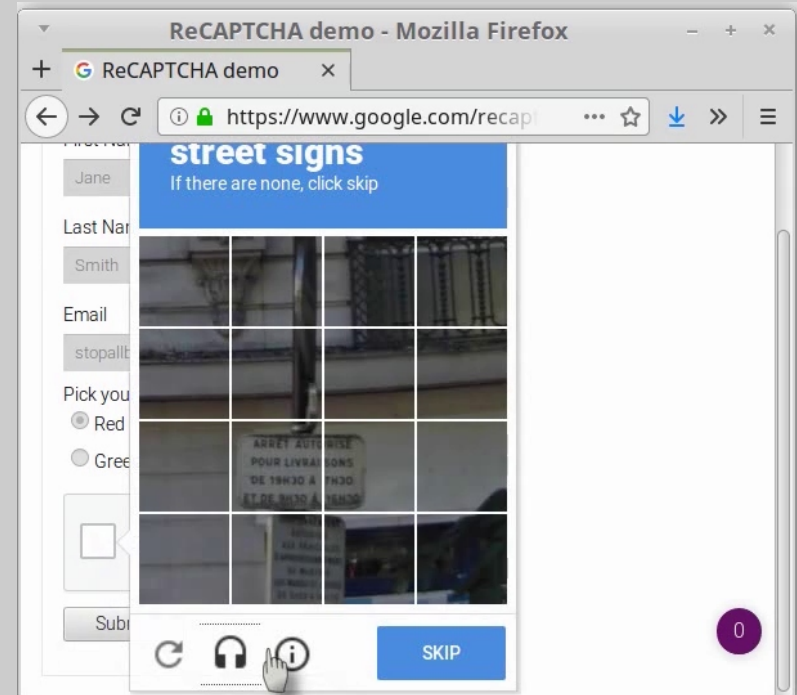
- Before: JavaScript & Adobe Flash allowed
- After: No JavaScript except pre-approved sites, no Flash
- Cost: Limited choice of e-shopping and online services



Yes, that's a blank page

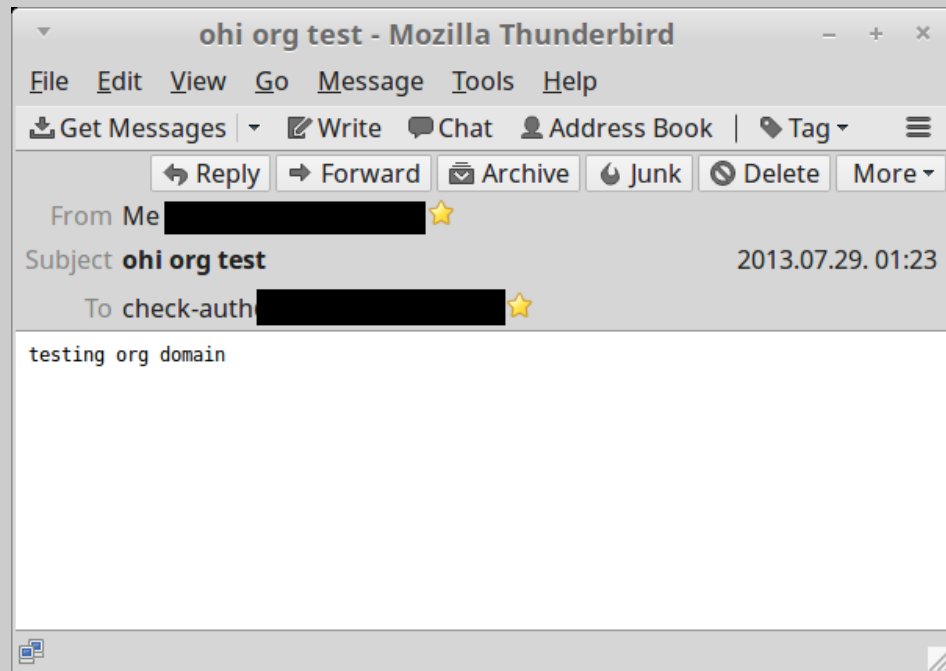
Browsing habits

- Before: **Accept and honor all cookies**
- After: **Only accept temporary first-party cookies**
- Cost: **ReCAPTCHA hates me**



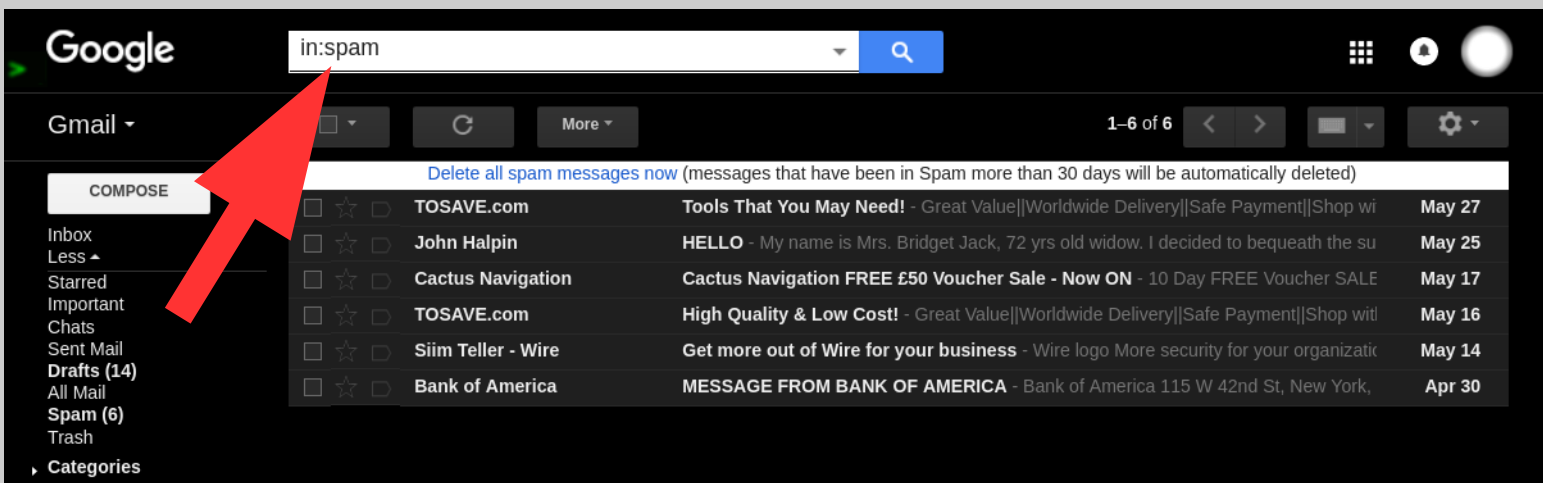
E-mailing

- Before: **HTML support**
- After: **No HTML support**
- Cost: **My pen-pals hate me**



E-mailing

- Before: **Public e-mail service**
- After: **Own domain on own server**
- Cost: Gmail users never get my first e-mail



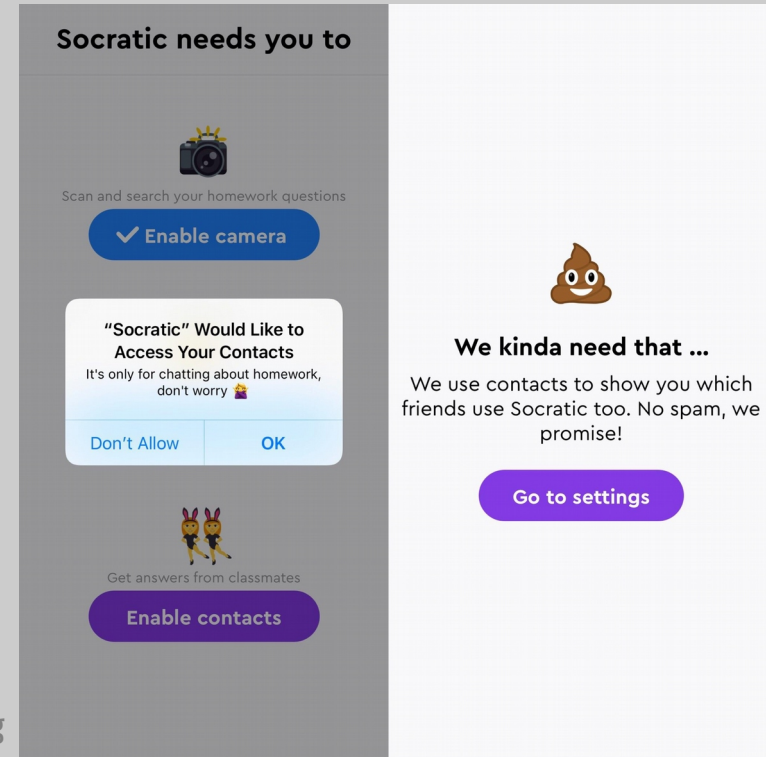
Phone

- Before: Siemens CX65
- After: Nokia 3330
- Cost: No (properly) encrypted communications



Mobile apps

- Before: **????**
- After: **no GPS permission*,
no contacts, no mic/cam***
***with specific exceptions**
- Cost: Some apps don't work at all
Stuck in 2010 era



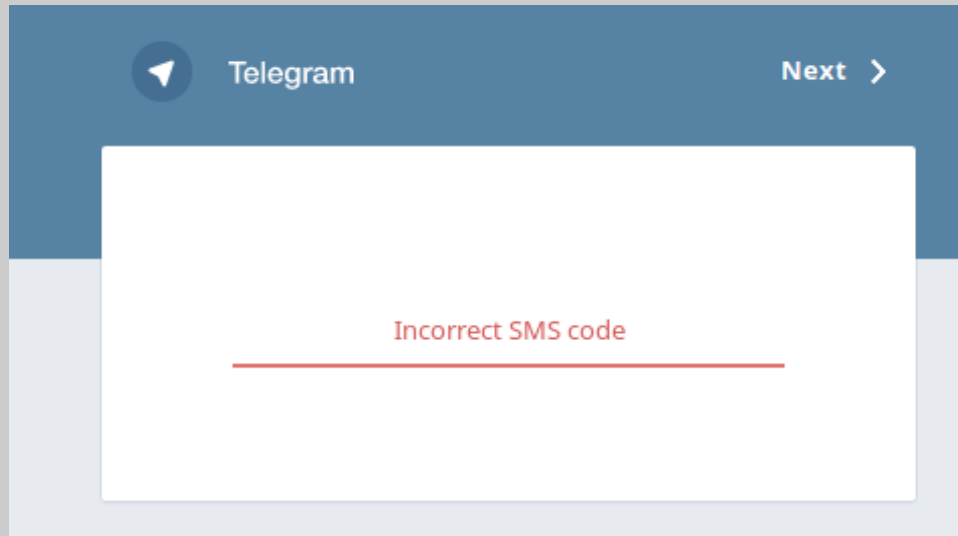
Social networks & chats

- Before: IRC, facebook
- After: XMPP, wire, twitter
- Cost: Social exclusion, limited social circle



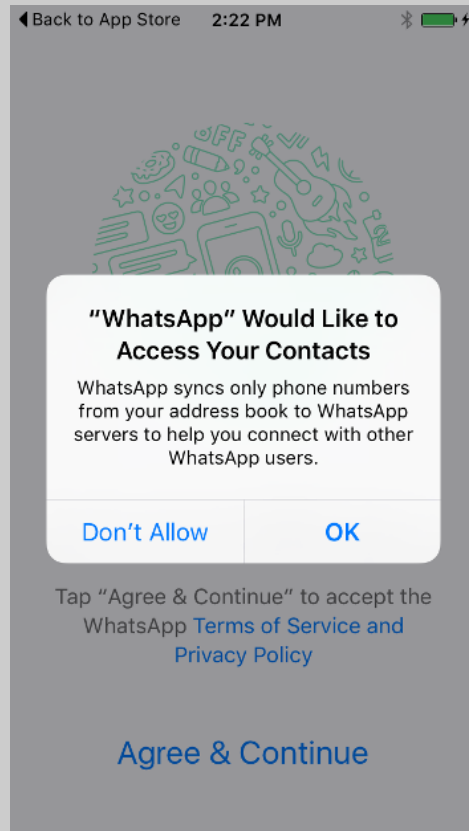
Re-socializing

- Before: **Install ALL THE APPS**
- After: **Fake phone number in Signal, Telegram, etc.**
- Cost: **Account takeover in 3..2..1..**



Other people's apps

- Before: People giving away my information to companies
- After: ??? Private caller ID ???
- Cost: Having no friends



Photos

- Before: Loved taking photos and being in photos
- After: Always the photographer
- Cost: Strange looks



Legal protection

- Before: Companies mishandling my data
 - After: Companies (telling me they're?) not doing that
 - Cost: Approx 3000 euro/year in lost productivity
- Lot's of “don't you have anything better to do?”



Visitors

- Before: Friends “checking into” my home
- After: Only trusted circle invited
- Cost: More space taken up by undrunk booze hoarded during trips



Loyalty cards

- Before: Real data
- After: Fake data, cloned cards
- Cost: I can't legally request anything about "me"



Public transport (Hello, Novi Sad!)

- Before: Paper-based discount tickets
- After: Paper-based one-trip tickets
- Cost: 666% (no joke) increase in cost



Banking

- Before: Being paid via wire transfer, using cards to shop
- After: Paid cash, inactive accounts, prepaid cards
- Cost: “Gold customer” status unusable

Hard time booking flights and hotels

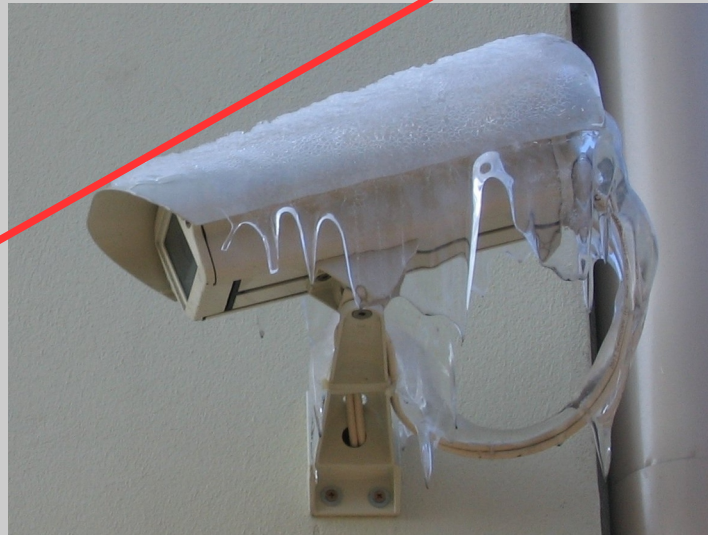
Never managed to rent a car (should be doable though)

Taxify blocks all my cards



CCTV

- Before: Filmed by all CCTVs on the street & in shops
- After: Wearing a mask
- Cost: Security challenges you all the damn time



Biometric passports

- Before: **????**
- After: **Not giving up your fingerprints**
- Cost: Living without a passport & not getting to BalCCon



Creating photocopies of ID

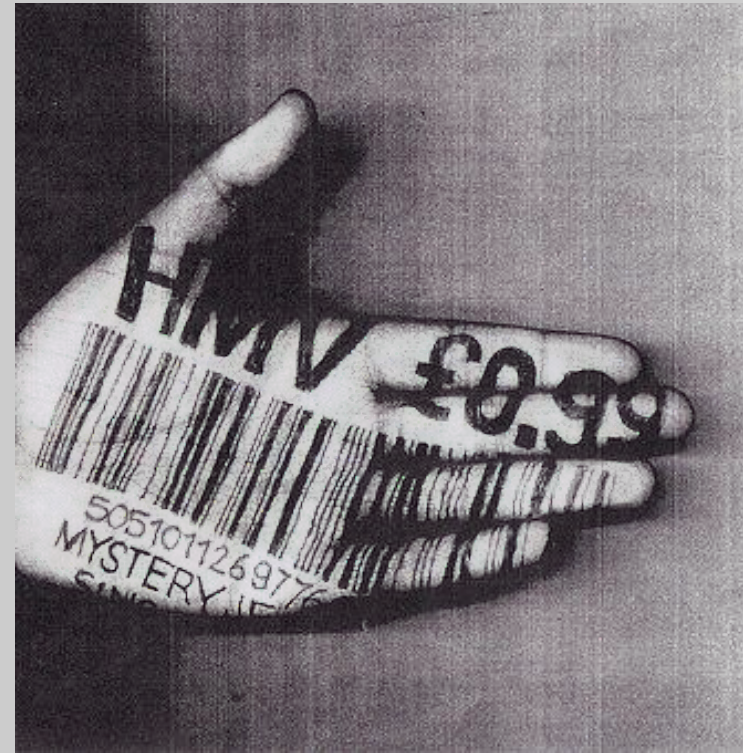
- Before: “Yes, of course you can copy my ID”
- After: “Nope. Nope. Nope. Nope”
- Cost: Cannot use Revolut / N26

Good people getting annoyed

Had to call the cops on

clerks at a hotel in Belgium

Called an (*_) by a banker



Final tally for personal privacy

- Social toll
 - Communication challenges
 - Disapproval by peers and society
 - Limited social circle
- Financial toll
 - Limited choices on-line (goods, hotels, travel)
 - Increased transportation costs
- Technological toll
 - Much more time needed to do the same things
 - Impeded access to new tech
 - Inability to take part in the IoT craze
- No
 - access to own data
 - international travel

PRICELESS

What can we do?



- Convince legislators
 - Can't lobby? Complain loudly on social networks or watch my presentation on lobbying
- Develop privacy-conscious systems
 - Not a dev? Demand that devs do that!
- Don't be complicit
 - Stand up for yourself
 - Lead by example