Digital Transparency Required
Open Surveillance
For Advanced Privacy & Security

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Need for Privacy is Evolving
- Rise of privacy risk
- Open Surveillance
- Expanding Security Risks
- Privacy 2.0: Open Surveillance
- Privacy Risk: Advanced Security
Increase in Cyber Risks

- In the UK, 94% of companies admitted they have suffered a cyber attack in the past year. (CPNI)
- According to 2017 statistics, there are over 130 large-scale, targeted breaches per year, and that number is growing by 27 percent per year. (Accenture)
- Attacks involving cryptojacking increased by 8,500 percent in 2017. (Symantec)
- The average cost in time of a malware attack is 50 days. (Accenture)
- The Equifax breach cost the company over $4 billion in total. (Time Magazine)
- Damage related to cybercrime is projected to hit $6 trillion annually by 2021. (Cybersecurity Ventures)
Democratic Risk

- Google - Ad Technology – Google $1.7B. (NY Times)
- Facebook & Cambridge Analytica – The illegal use of personal data by political parties without transparency. (ArsTechnica)
- Amazon - Open Source Facial ID software to police forces incurs shareholder revolt. (theHill)
- Brexit - Carol Caldwell from the Guardian unveiled the extent of UK election fraud – lack of advertising transparency and misleading micro-targeting (TedX)
- Trump Election – Russian Collusion and the use of active measures indicate cyber-security attack surface being exploited by foreign agenda with Fake New (ShowTime)
- Snowden; transparency over mass surveillance of the NSA, and the leak of spy tools to international interests. (BBC)

But Why?
Finding the Monster

"Many systems fail because of usability problems: the designers have different mental models of threats and protection mechanisms from users."
- Ross Anderson

Protecting People (Personal Data)
Privacy 1.0
Security Vs Privacy

Not-Transparent or contextually operational

Notification of Privacy Policy Changes

Whenever we make a material change to the information collected through Brave or how we use it, we’ll update the policy posted here. When this policy changes, we’ll announce it to let you know — or you can check back here after each update. We hope you’ll find any changes agreeable, but if you’re not comfortable with the info we collect or how we use it, we understand your choice to stop using.
Privacy 1.0
Security Vs Privacy
New Privacy Regulations

• 137 Countries Now Have Privacy Regulation
• GDPR – (Enforceable Since May 2018)
• Canada – Open about surveillance risk for meaningful consent – (Jan 1, 2019)
• Washington SB 5376- ”GDPR-lite” (Proposed 2019)
• CCPA California Consumer Privacy Act – (Jan 1, 2020)

Fines Levied

Google - £44 Million - Notice & Consent Fine (CNIL)
Privacy 0.1

HARVARD

LAW REVIEW.

VOL. IV. DECEMBER 15, 1890. NO. 5.

THE RIGHT TO PRIVACY.

"It could be done only on principles of private justice, moral fitness, and public convenience, which, when applied to a new subject, make common law without a precedent; much more when received and approved by usage."

Willis, J., in Millar v. Taylor, 4 Burr. 2393, 2318.

THAT the individual shall have full protection in person and in property is a principle as old as the common law; but it has been found necessary from time to time to define anew the exact nature and extent of such protection. Political, social, and economic changes entail the recognition of new rights, and the common law, in its eternal youth, grows to meet the demands of society. Thus, in very early times, the law gave a remedy only
Privacy 1.0 – (the identity management version) Protecting PII
Privacy Risk Clock

Privacy Policies

https://www.commonsense.org/education/articles/its-not-you-privacy-policies-are-difficult-to-read
domain of Privacy 2.0

Context Awareness

Privacy Rights Based

data control

Open Surveillance

Operational Transparency

Privacy & Contract

terms and conditions

breach notifications

privacy notices

most encryption techniques

identity

domain of Privacy 1.0

openness, usability, relevance
Lack Of Contextual Awareness

• Transparency Gap
• Creates a lot of friction
• High Friction For People
• Expensive for Companies
Privacy 2.0 – Operational Rights

Contextual Transparency Required
Industry Scale Privacy Risk Profiles Scaling Domain

Privacy Risk Profile
Advanced Security For People

Systems that:
1. Provides contextual (open) surveillance awareness based on international standards that make privacy and contract law operational
2. Active Governance Transparency – Policy State Monitoring for Services
3. Privacy Receipts - Sharing and Accessibility of this state –
4. Enable people to protect themselves according to context to help secure the system, network and assets
Open Surveillance
Advanced Privacy & Security
Digital & Physical
UK Surveillance Camera Commissioner

#OpenSurveillance

Thursday June 20, 2019

https://www.gov.uk/government/organisations/surveillance-camera-commissioner
Thank You

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