

# Pragmatic Online Privacy: the SftE Approach

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# outline

- Position paper
  - somewhat speculative, definitely incongruent
  - learning the lessons so we "don't throw the baby out with the water"
- Privacy in practice
  - the paradox, the technology, the regulations
- SftE – The Start-from-the-End Approach
  - why the focus on the point of collection?
  - the speculative part: give up. It's a lost battle.
  - Focus on (1) Conventions, (2) Revocation, (3) User-managed Traceability, (4) Middleware

# thank you GDPR

- It gave me words to complain – being a "computer guy"
- it is being replicated across the world
- one of the reasons for which I am proud to be an EU citizen
- (it gave me work)

# thank you GDPR

- but it came at a time where personalisation had just become feasible
- the "Data-drive Economy" found in snooping its prime case
- mobile phones with rich sensors
- big data & cloud computing: vast amounts of processing power + individual profiling



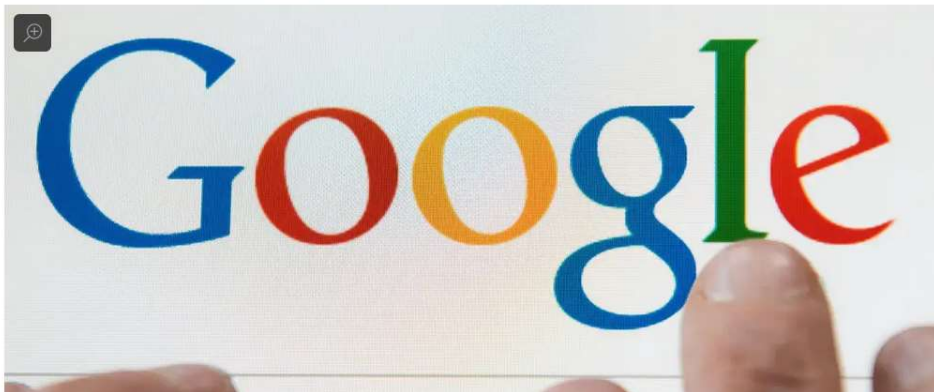
*“Remember when, on the Internet,  
nobody knew who you were?”*

# Privacy Matters

- yet we already lost it

## Your Credit Score Should Be Based on Your Web History, IMF Says

By Rhett Jones | 12/18/20 12:25PM | Comments (175)



future  tense

## A Prominent Priest Was Outed for Using Grindr. Experts Say It's a Warning Sign.

BY MOLLY OLMSTEAD

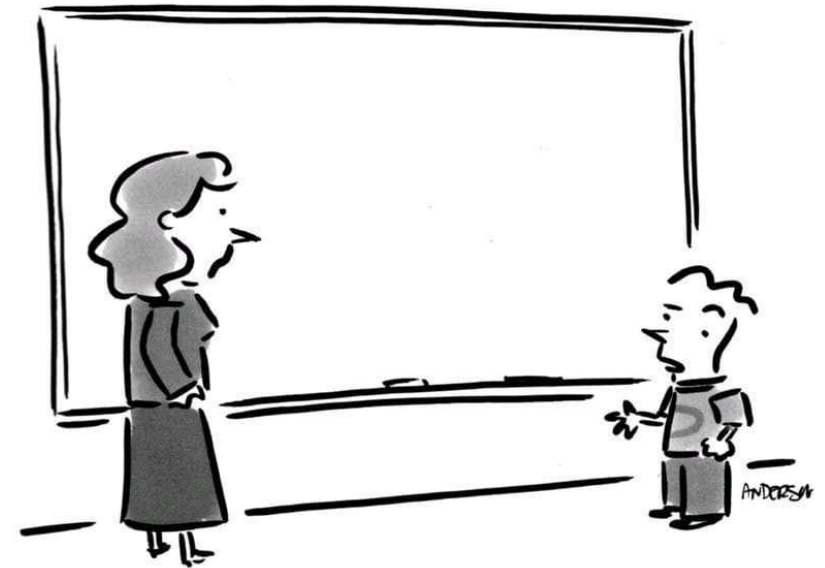
JULY 21, 2021 • 7:03 PM



# "Collection-oriented" Data Protection is not working

- The focus seems to be at the Collection point.
- Mandating "cyber security" was never going to work.
- I work in Cyber Security. There will always be breaches no matter the resources you throw at it.
- the "with Privacy-in-mind", or "with Security-in-mind" only goes to a short length.

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"Before I write my name on the board, I'll need to know how you're planning to use that data."

# "Collection-oriented" Data Protection is not working

- it's too late by then
- a sea of grey areas
- difficult to enforce
- impossible to understand



**vitor jesus** @vjesus · Apr 12

About the April'21, 500M [#FacebookLeak](#):

As silly as it might sound, this brilliant one-liner may hold the future of Privacy. Nothing else seems to work, anyway.



**Chris Williams** @ChrisNJWilliams · Apr 3

Replying to @Liz\_Shepherd

How do I change my date of birth?



- disempowering, un-actionable on an individual basis

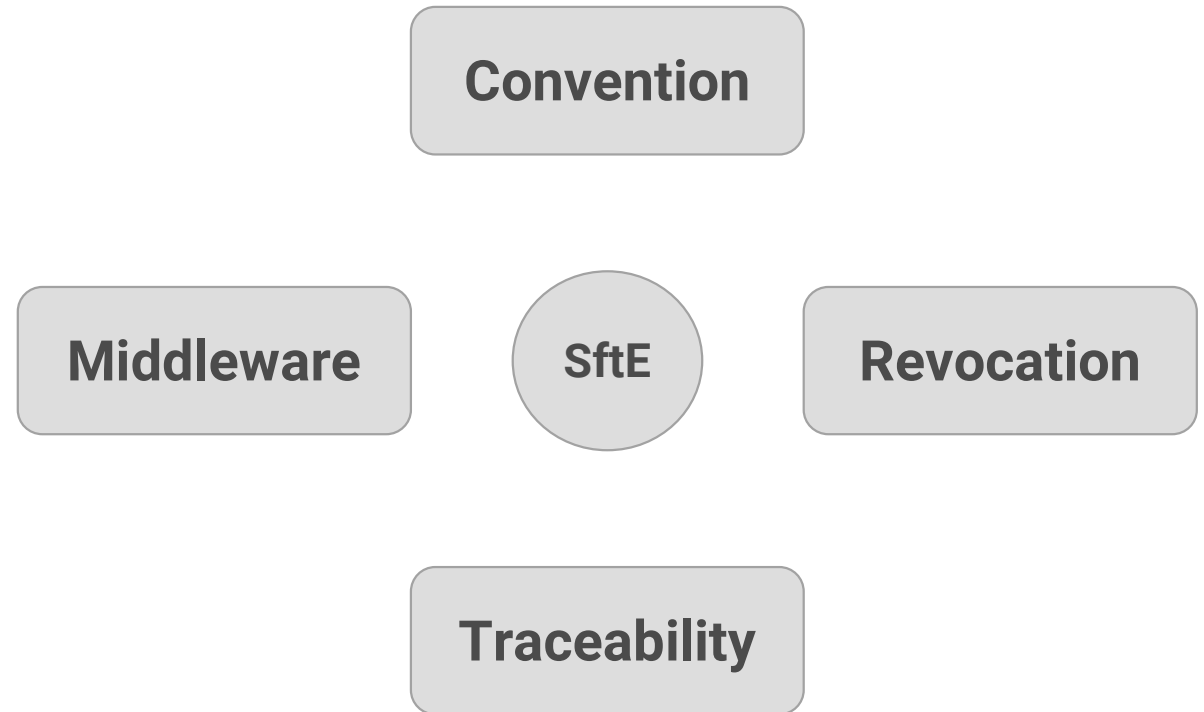
# There is no such thing as Forward Secrecy for PETs

- Most of the time, the debates I see is on Privacy-enhancing techniques (PETs)
- PETs inherently to ignore the idea of "Forward Secrecy"
  - Cryptography: secrets are safe even after a very long time
  - when the data is out, it is only a matter of time until islands of data get linked together



# SftE – the Start-from-the-End Approach

- be pragmatic
- assume the worst
- re-empower the individual
- focus on accountability



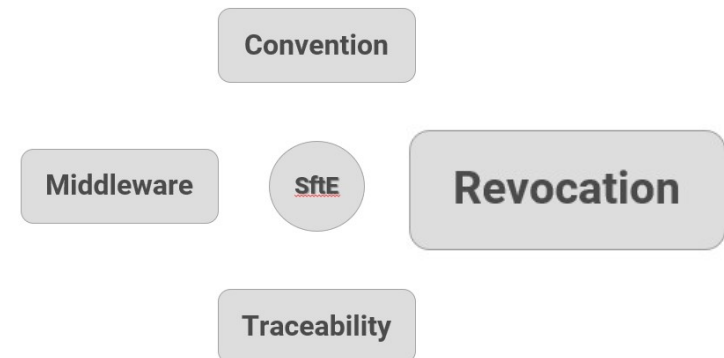
# SftE – Convention

- Accept users do not exercise informed consent on an individual basis.
- make a Take-or-Leave-It attitude inconsequential
  
- "standardise" notices
- punish dark patterns



# SftE – Revocation

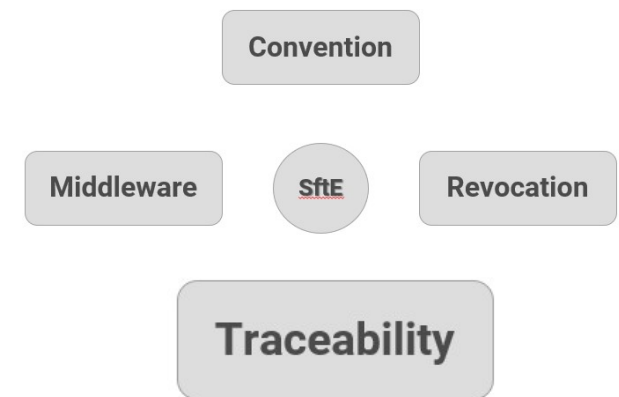
- Personal opinion: the right to Erasure is the single most powerful principle
- The idea is similar to "changing passwords" if there's a breach.



- make Revocation automatic – 5, 30, 90 days?
- make Erasures a one-click request – standardise interfaces

# SftE – Traceability

- Once shared, personal data lives in a sea of Controllers, Jurisdictions, and "3rd Parties"
- make the concept of a Consent Receipt, or Personal Data Receipt mandatory: it's user-friendly, auditable, actionable, tool-able
- codes of conduct/practice for sharing personal data



# SftE – Middleware

- More than Cyber Security, Privacy is an after-thought.
- Most times: compliance for the sake of compliance.



- Browsers and apps, and everything touching Personal Data, needs to have Privacy built-in.
- Mobile permissions is a great step – but baby steps.
- The browser, in particular, needs a redesign.

THOUGHTS , CRITICISMS

VERY WELCOME.

Convention

Middleware

SftE

Revocation

Traceability

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THIS IS WORK-IN-PROGRESS -