

‘Must Fix Trust’

Privacy-enhancing technologies as reductive tools

Amsterdam Trust Summit
28 August 2025

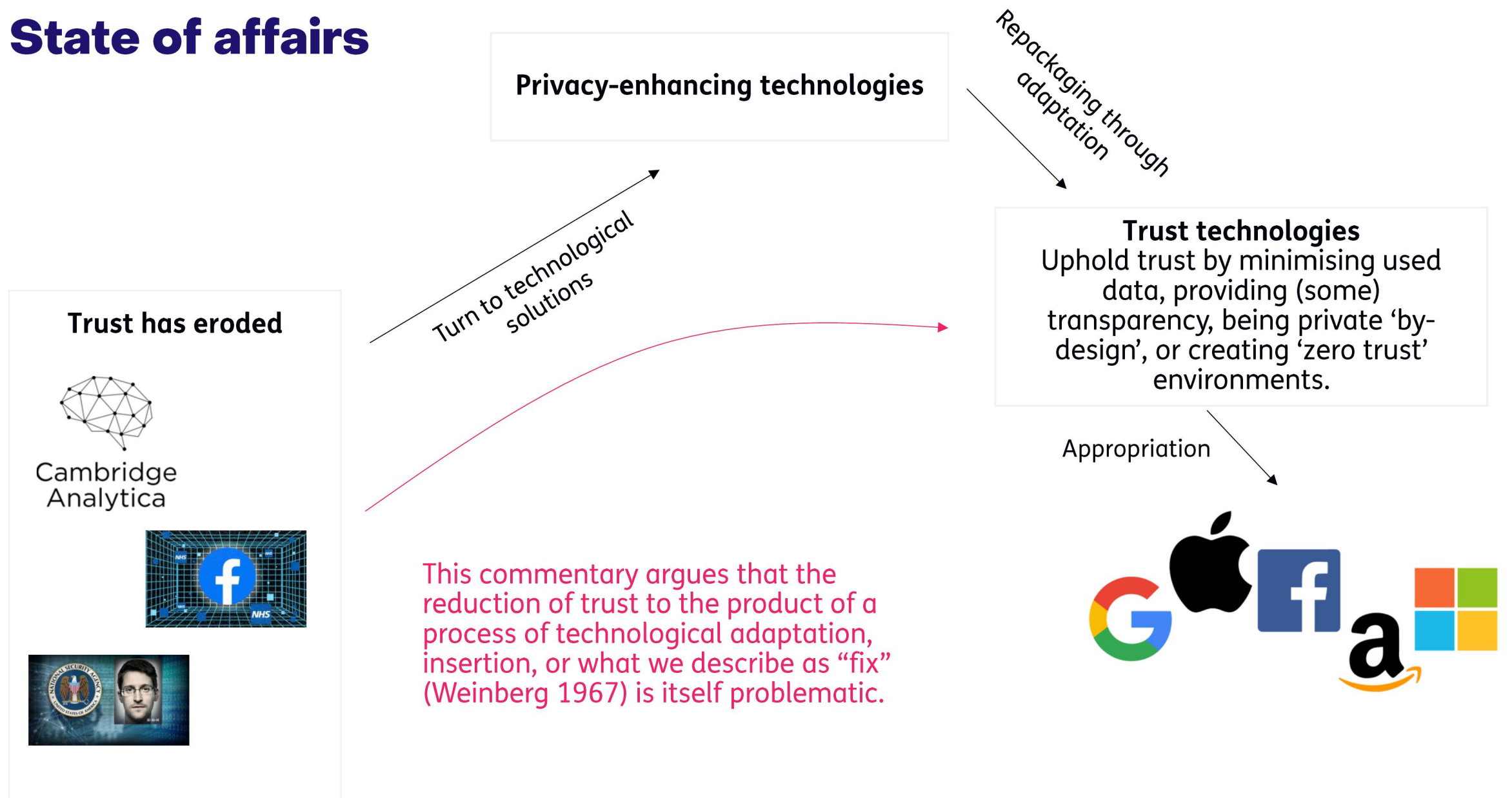


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State of affairs



Trust as fix

Technology is frequently associated with trust: it ought to provide “means and mechanisms that deliver predefined outputs reliably and predictably” (Chew et al. 2023).

This mechanic, solutionist view on trust as fix is especially visible in cases where “trust is chosen as a label” to denote risk, confidence, or reliability (Kroeger 2022; Laux et al. 2024).

Technical literature

think engineering, computer science, cryptography, et al.



“Zero knowledge [...] promotes transparency and trust”, “MPC [...] lowers the need for trust”, “differential privacy [...] eliminates the trusted third party”

Promissory organisations

think McKinsey & Company, the World Economic Forum et al.



digital trust as revenue generator by linking it to privacy and cybersecurity; improvement areas where shareholders can expect a return on investment (Kluiters et al. 2022)

Big Tech

think Apple, Microsoft, Google, Meta, OpenAI et al.



“Safe and trusted” app stores, “privacy first” digital advertising, “earn and maintain trust” in communication, “Trust Portal” for security, privacy, and compliance

Recent cases

1. Transactiemonitoring Nederland

Multi-party computation for money laundering detection



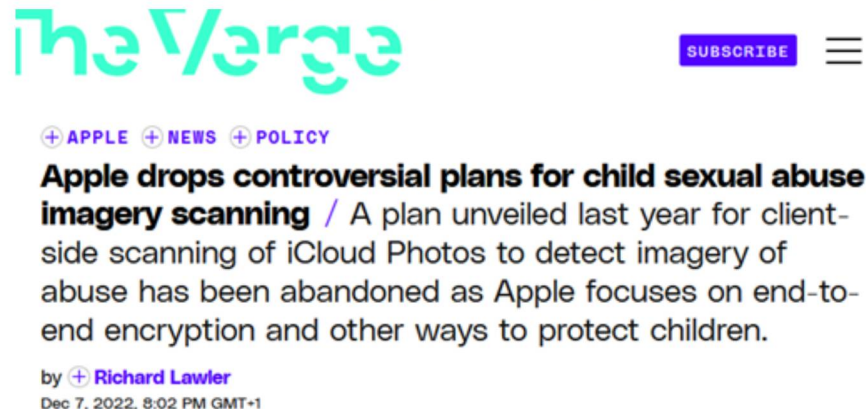
2. Digital identities & age verification

Zero-knowledge proofs and more to prove age, identity



3. CSAM detection

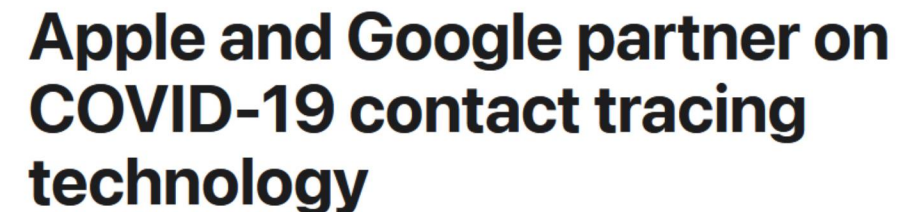
Client-side scanning by Apple



4. Digital contact tracing during Covid-19

Privacy-preserving API by Google and Apple

April 10, 2020



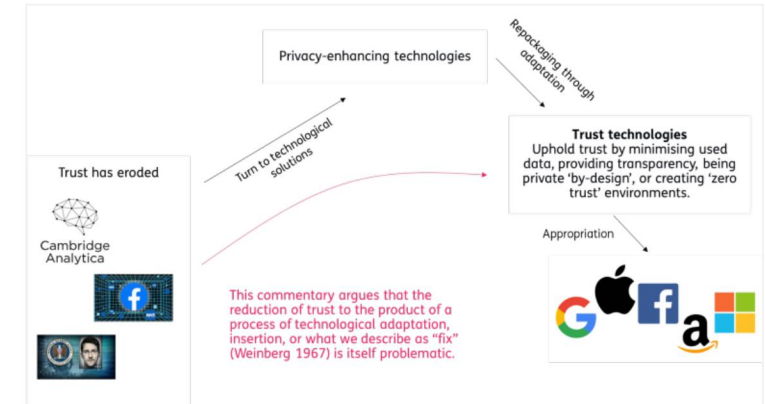
Critiques and quandaries

These various examples effectively reduce trust to a measurable outcome; positioning (most frequently, privacy-enhancing) technology as a fix, a “social cure-all” (Johnston 2018) that creeps into systems (Koops 2021). Arguably, this is textbook solutionism (Mann et al. 2022).



Trust is a necessary point of discussion in the context of PETs.

Remember: PETs in principle aim to eliminate the need for trust



Big tech companies **entrench their infrastructures** in vital sectors

- Reshaping how governments and companies can ‘produce’ (public) services
- We should be mindful of centralising forces in (decentralised) trust techs (van Gend et al. 2024)

Not eliminating, but **reconfiguring the need for trust**

- Big tech companies cement themselves in public services
- We must trust that technologies (often depicted as ‘magical’) are properly designed, implemented, and governed

Normalization to establish “**trustworthiness**”, online and in-person

- Yes, PETs allow for more privacy-preserving attestation... but the status quo is not flashing your passport everywhere
- Does distrust in users warrant subjecting everyone to age verification schemes?

Thank you!

References provided in this presentation are provided in the manuscript. The opinions presented in this work do not necessarily reflect those of TNO.