

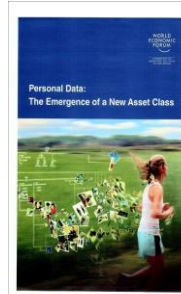
Toward A Sustainable Digital Ecology



Prof. Alex 'Sandy' Pentland, MIT

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The New Deal on Data you own your digital identity



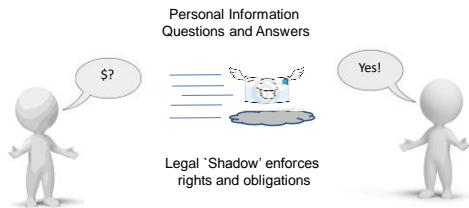
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Right to Possess, Control, Dispose

Reference open source version: openPDS
Adopted by Kerberos Internet Trust Consortium

LEGAL ARCHITECTURE

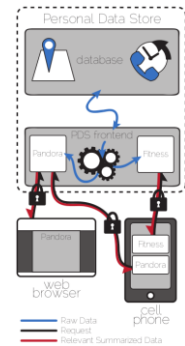
like SWIFT or VISA inter-bank networks



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openPDS

- **Secure Distributed Identity and Authentication:** OpenID Connect, organic biometrics.
- **Auditability:** User can verify what data is read, what data about him leaves the system, and how it is used.
- **Answers not raw data.** OpenPDS uses secure local computation to avoid releasing raw data whenever possible.



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DISTRIBUTED SYSTEMS NSA FAILURES

This failure originated from two practices that we need to reverse. There was an enormous amount of information concentrated in one place, and second, no individual should be given the kind of access Mr. Snowden had.

Ashton B. Carter, the deputy secretary of defense
<http://www.nytimes.com/2013/08/04/sunday-review>

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A PERSONAL DATA ECOLOGY



MOBILE TERRITORY LAB



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Sample Apps and Services

- Show Me How I Compare



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Sample Apps and Services

- Show Me How I Compare
- Improve My Social Life

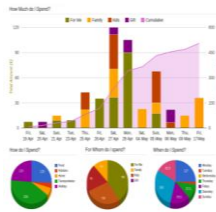


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Sample Apps and Services

- Show Me My How I Compare
- Improve My Social Life
- Save Me Money



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