



Lauro Grippa Neto

How to own your **identity**

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www.magrathealabs.com

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Lauro Gripa Neto

Software Engineer



lauro@magrathealabs.com



laurogripa

THE PROBLEM

OPINION

Facebook is not free

The economics of much of the Internet is built on two valuable commodities: your time, and your content



By Ira Winkler

Contributing Columnist, Computerworld

OCT 17, 2011 5:24 PM PST

source: <https://www.computerworld.com/article/2499036/facebook-is-not-free.html>

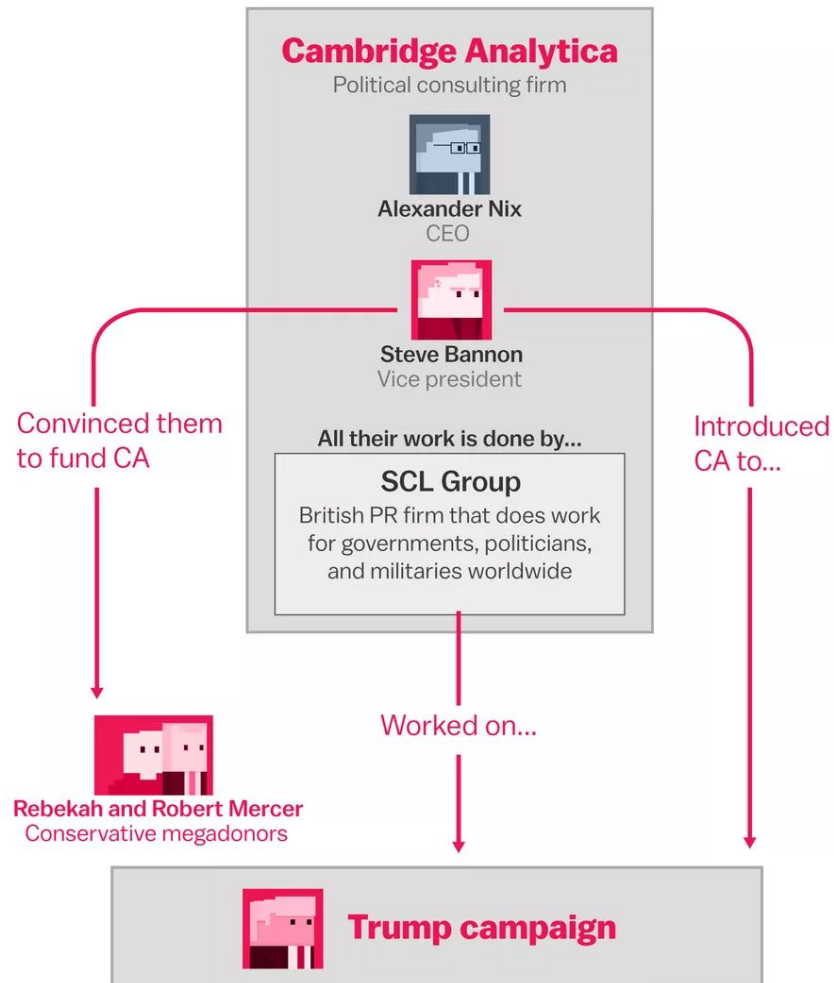
It's official: Google wants to own your online identity

MATHEW INGRAM | AUG 29, 2011 - 10:03 AM CDT

TOPIC: **TECHNOLOGY**



source: <https://gigaom.com/2011/08/29/its-official-google-wants-to-own-your-online-identity/>



Up to 87 million Facebook users



Had their data exposed by



270,000 Facebook users
who took the quiz



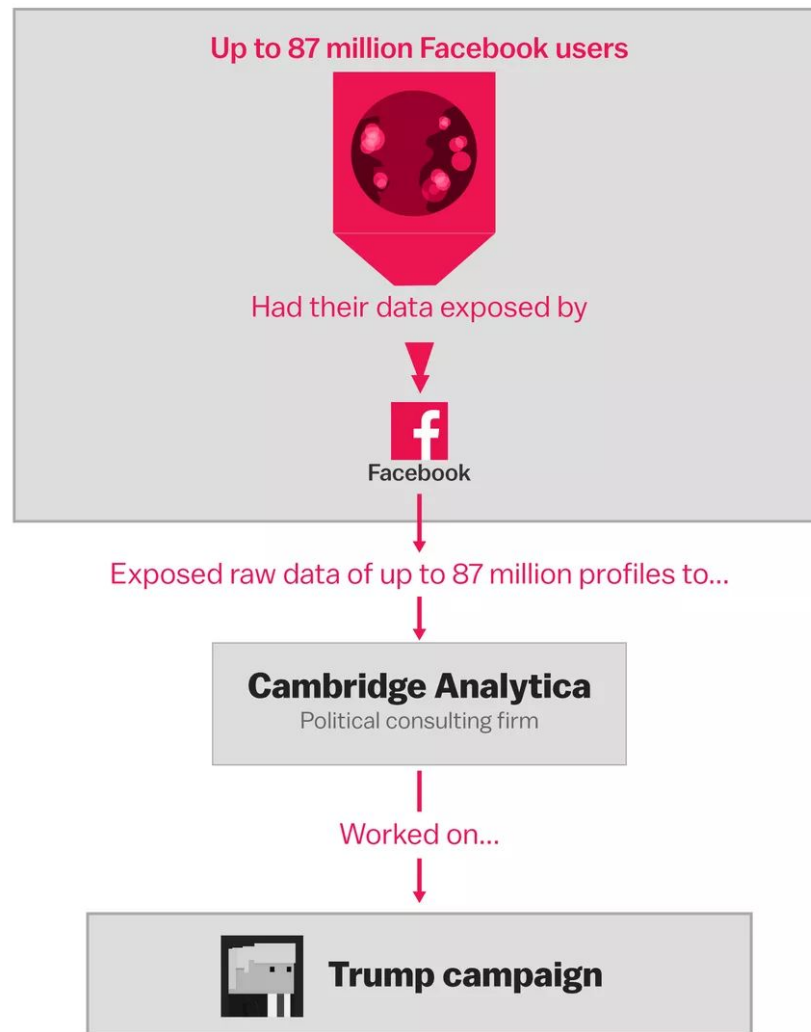
Who used a quiz app



thisismydigitallife

A quiz app Kogan built
on Facebook





[source](#)

A NETFLIX ORIGINAL DOCUMENTARY

THE GREAT HACK

From the Academy Award
nominated filmmakers behind **THE SQUARE**



NOW STREAMING | NETFLIX

Cambridge Analytica wasn't a technical data breach. What can happen next?

Facebook agrees to pay fine over Cambridge Analytica scandal

Company withdraws appeal against £500,000 penalty imposed by UK data watchdog



[source](#)

▲ Under the terms of the settlement with the Information Commissioner's Office, Facebook has made no admission of liability. Photograph: NurPhoto/Getty Images



[source](#)



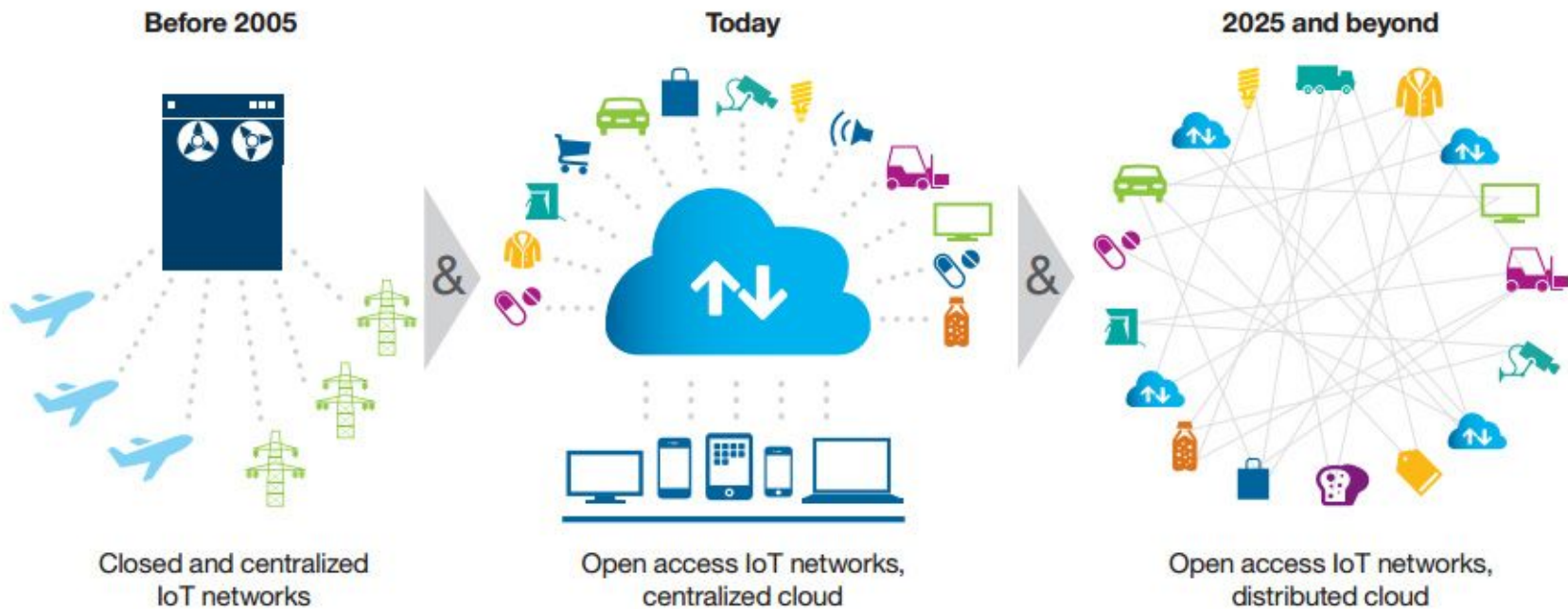
OP-ED

By 2030, You'll Be Living in a World That's Run by Google

And it may be both the best and worst thing to happen to humanity.

[source](#)

Self-sovereign identities



PRIVACY BY DESIGN / PRIVACY BY DEFAULT

<https://gdpr-info.eu/issues/privacy-by-design/>

Criticado por ser muito “vago”

- <https://www.esat.kuleuven.be/cosic/publications/article-1542.pdf>

Engineering Privacy by Design

Seda Gürses, Carmela Troncoso, and Claudia Diaz

K.U. Leuven/IBBT, ESAT/SCD-COSIC
`firstname.lastname@esat.kuleuven.be`

LOCAL-FIRST

- fast
- multi-device
- offline
- collaboration
- longevity
- privacy
 - cloud apps are fundamentally non-private
- user control

CRDT: conflict-free replicated data types

https://en.wikipedia.org/wiki/Conflict-free_replicated_data_type

[source](#)

Image: The Guardian

#OwnYourData

Brittany Kaiser

Cambridge Analytica whistleblower

Want to own your data? Start by owning your identity



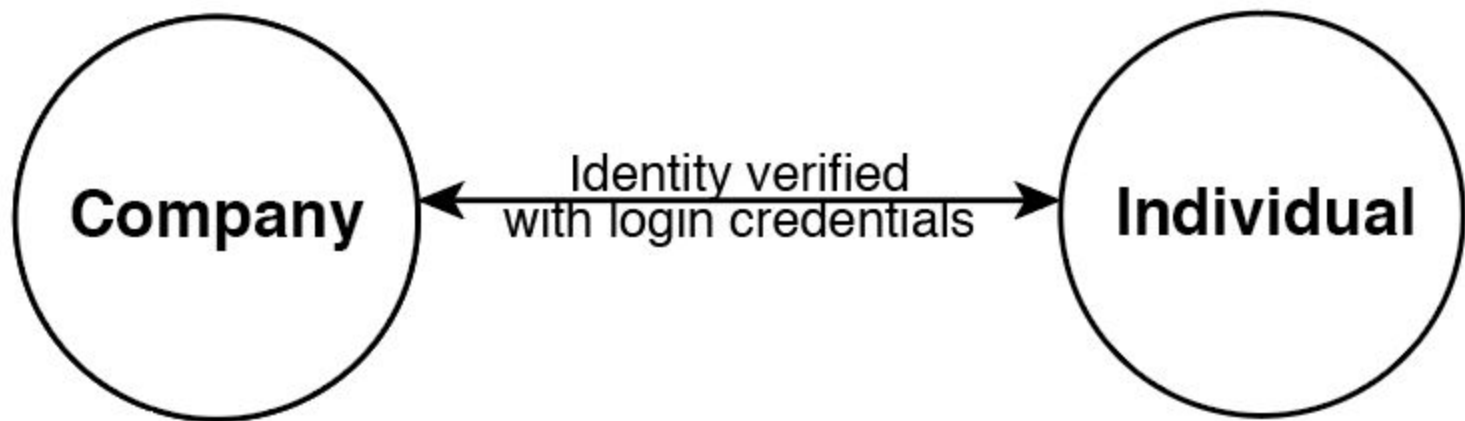
Cris Torres Fernandez [Follow](#)

Nov 5, 2018 · 6 min read

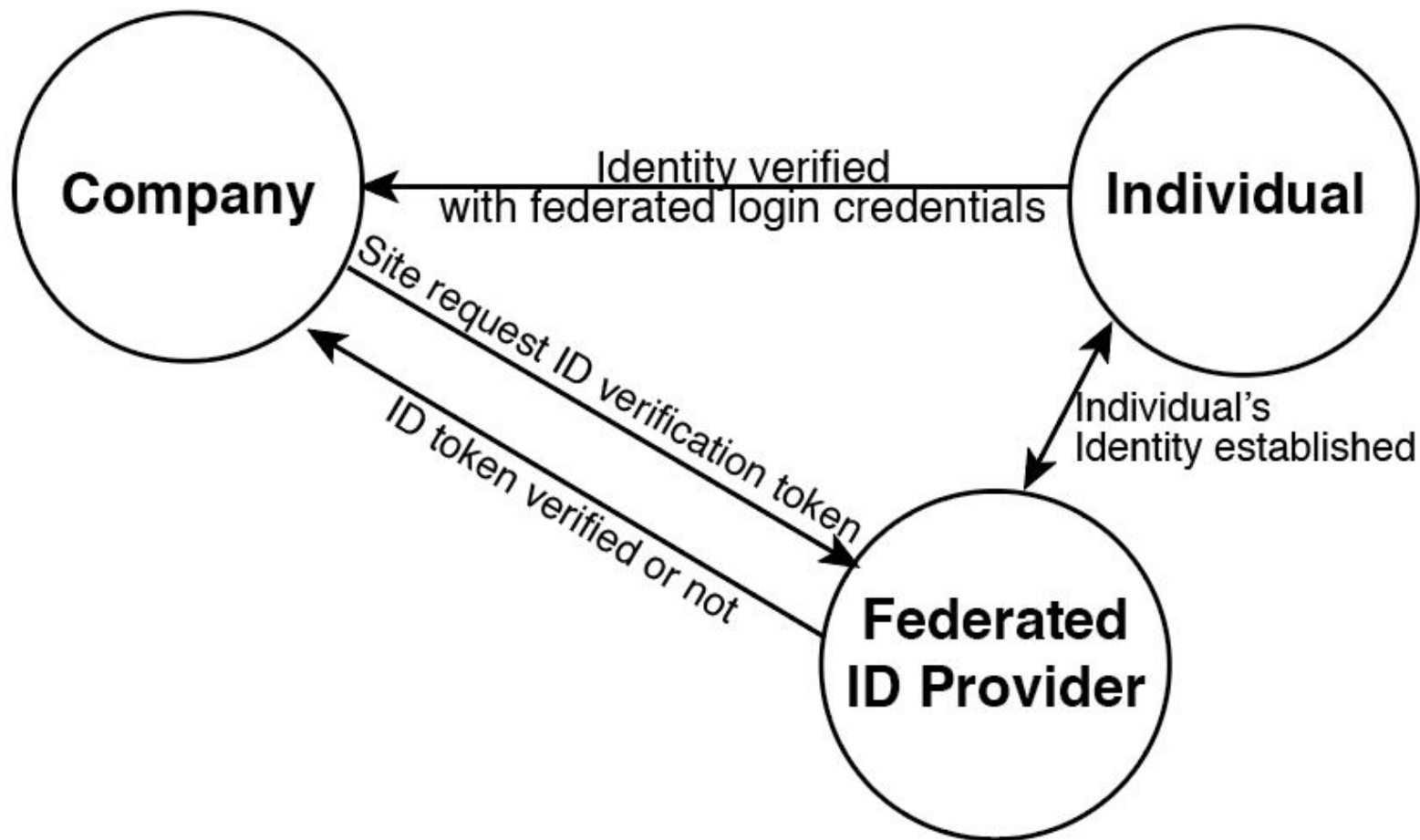


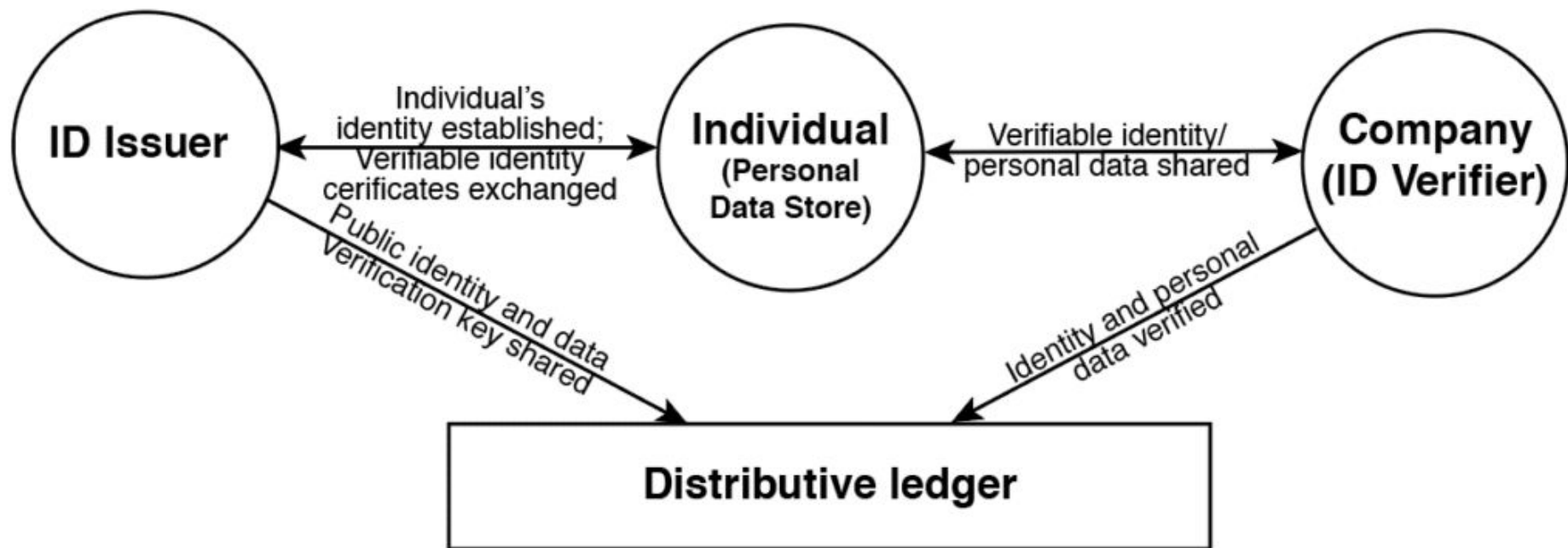


"On the Internet, nobody knows you're a dog."



Identity Praxis, Inc. 2019 ©





Guiding Principles of SSI

1. Existence — Users must have an independent existence.
2. Control — Users must control their identities.
3. Access — Users must have access to their own data
4. Transparency — Systems and algorithms must be transparent.
5. Persistence — Identities must be long-lived.
6. Portability — Information and services about identity must be transportable
7. Interoperability — Identities should be as widely usable as possible.
8. Consent — Users must agree to the use of their identity.
9. Minimization — Disclosure of claims must be minimized
10. Protection — The rights of users must be protected

ZERO-KNOWLEDGE PROOF



Cryptographic erasure



Core idea:

- Store data in encrypted form
- To delete the data, throw away the key

A.k.a. "crypto erase", "crypto-shredding", "digital shredding"

Verifiable Credentials Data Model 1.0

Expressing verifiable information on the Web



W3C Proposed Recommendation 05 September 2019



identity for all... begins now!



JOLOCOM

[demo](#)



Questions?

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www.magrathealabs.com

contact@magrathealabs.com



Thank you!

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