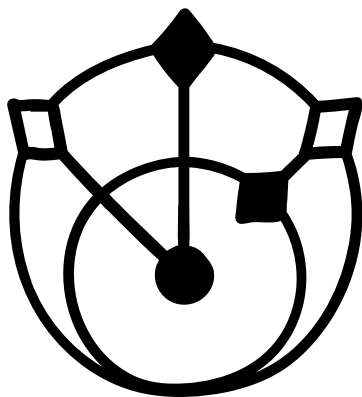


Local-First, Solid, and Everything in Between



Noel De Martin @ LoFi/30
30th September, 2025

Hello, my name is Noel

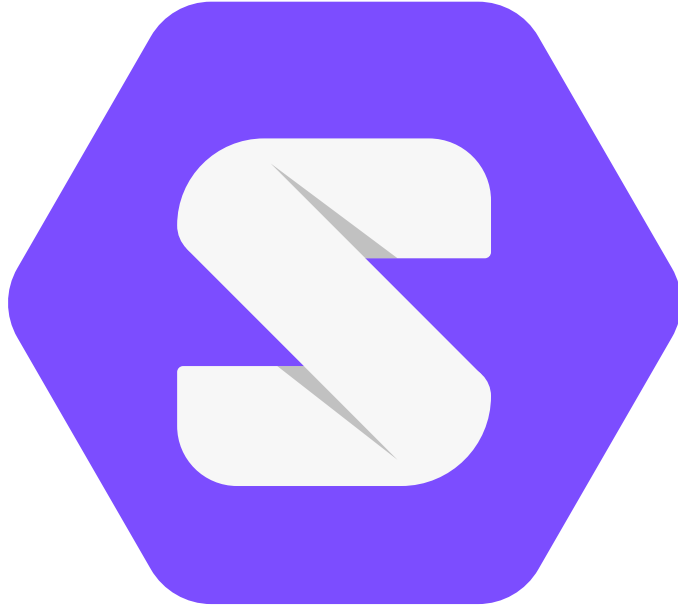


- Developer & Entrepreneur.
- Making Solid Apps on the side.
- Working in the Open.

noeldemartin.com | noeldemartin.social | @NoelDeMartin



What is Solid?



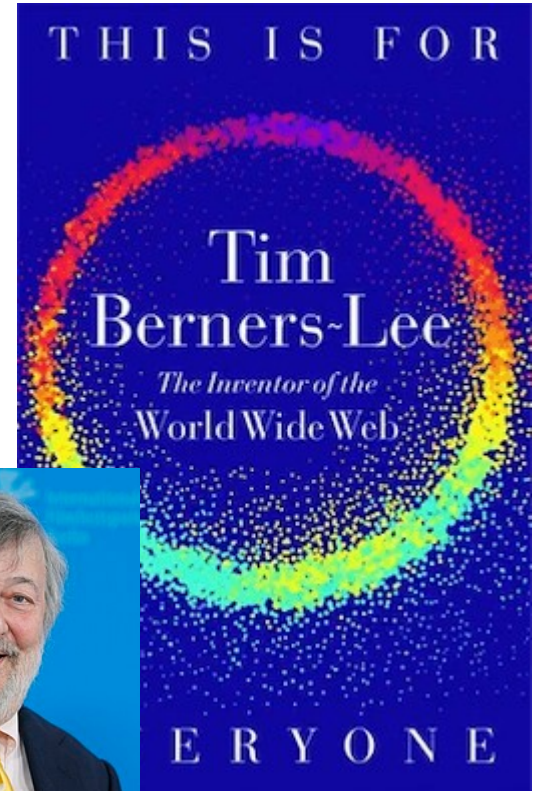
What is Solid?

- A protocol for decentralized storage.
 - “Decouple apps from data”

What is Solid?

- A protocol for decentralized storage.
- Created by Tim Berners-Lee
...as an evolution of the Web.

Narrated by



What is Solid?

- A protocol for decentralized storage.
- Created by Tim Berners-Lee.
- Learn more:
 - solidproject.org
 - [Why Solid?](#)

Solid Basic Concepts



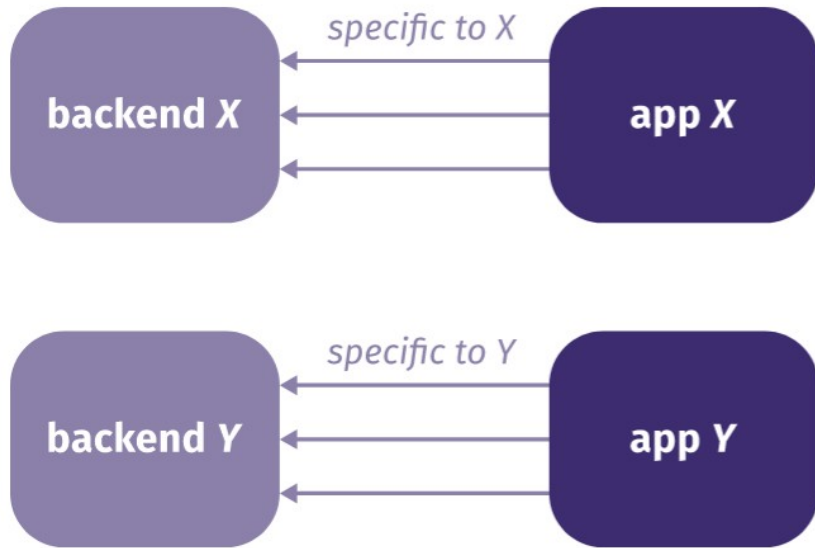
Solid Basic Concepts

- PODs → Personal Object Datastore

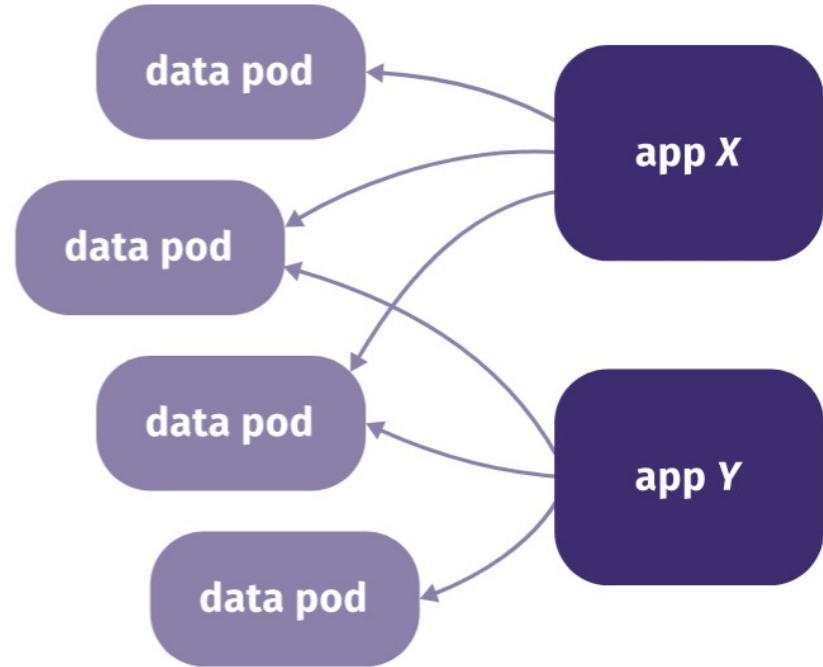


Solid Basic Concepts

centralized: single app & back-end



decentralized: multiple apps & back-ends



Solid Basic Concepts

- PODs → Personal Object Datastore
- RDF → Resource Definition Framework
 - Data Graph + Custom “Ontologies” or “Vocabularies”
 - e.g schema.org
 - Semantic Web

Solid Basic Concepts

- PODs → Personal Object Datastore
- RDF → Resource Definition Framework
- Built on top of the Web (GET, POST, etc.)
- Permissions, Authentication, etc.



FOSDEM'23
Brussels / 4 & 5 February 2023

Noel De Martin

From Zero to Hero with Solid

noeldemartin.com/fosdem

WHAT WOULD YOU SAY...


YOU DO HERE?



What am I doing here?

- I've been working on "Personal Apps"
 - No social networks.
 - No real-time collaborative text editors.

What am I doing here?

- I've been working on "Personal Apps"
- Solid  Local-first!

“At one of Brewster’s workshops,
the Solid community met the LocalFirst
Community, a group of open-source
developers motivated very much
by the same goals as Solid”

– Tim Berners-Lee, This is For Everyone, 2025

My 3 ideals for software

- Universality
 - The Web (any device)
 - Local-first (any location)

My 3 ideals for software

- Universality
- Sovereignty
 - [“Incredible-journey-proof”](#)
 - Privacy & Data Ownership
 - Untangle Network Effects

My 3 ideals for software

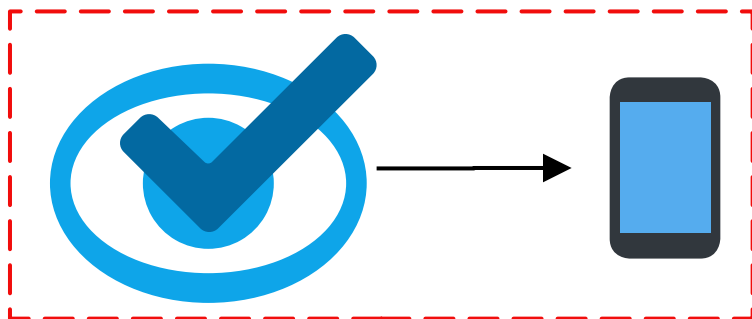
- Universality
- Sovereignty
- Interoperability
 - [“Malleable Software”](#)
 - [Interoperable Serendipity](#)



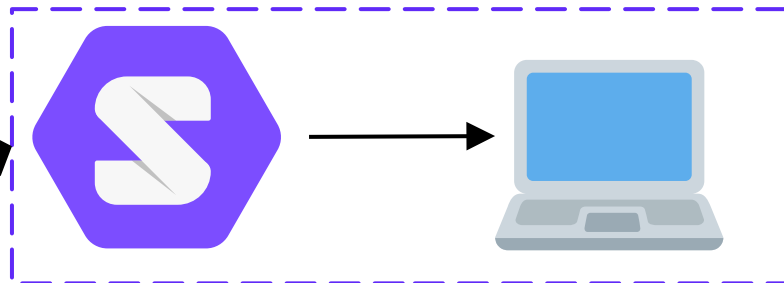
noeldemartin.com/solid-world-2025

DEMO

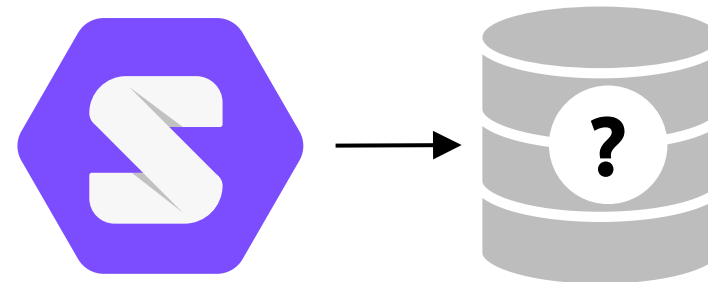
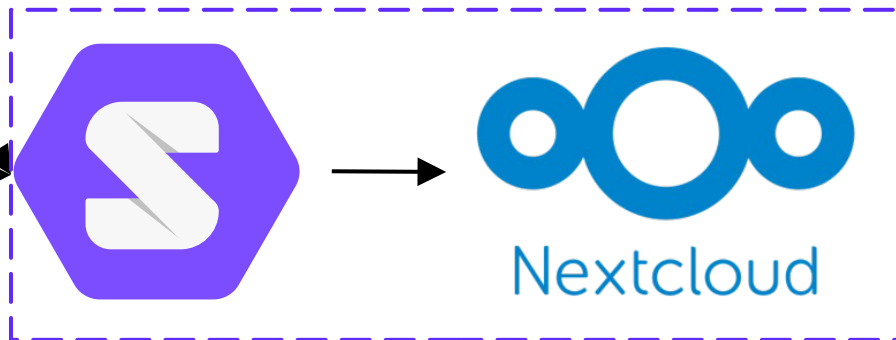
local-first



local network



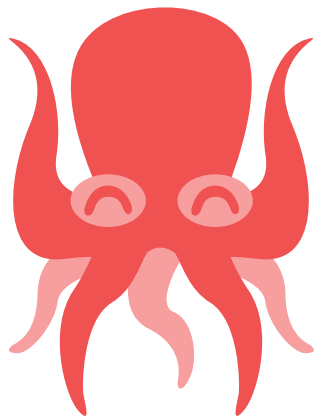
self-hosted



My Apps



Focus



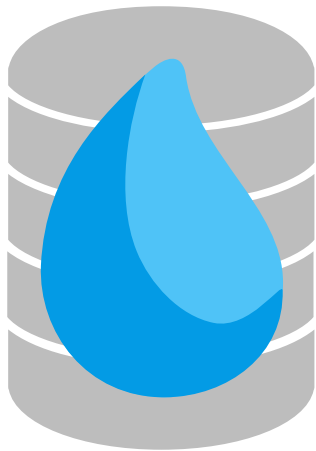
Media Kraken



Umai

Find them at noeldemartin.com/projects

My Tools



soukai.js.org

- Active Record
 - Solid POD
 - IndexedDB
- Solid CRDT
- Interoperability
- Framework-agnostic

My Tools

- Opinionated
 - VueJS
 - TailwindCSS
 - Soukai
- Built-in components
- Starter template
- Authentication, error handling, etc.

Aerogel
The Lightest Solid

Work in Progress!

aerogel.js.org

Thoughts on
Solid Developer Experience

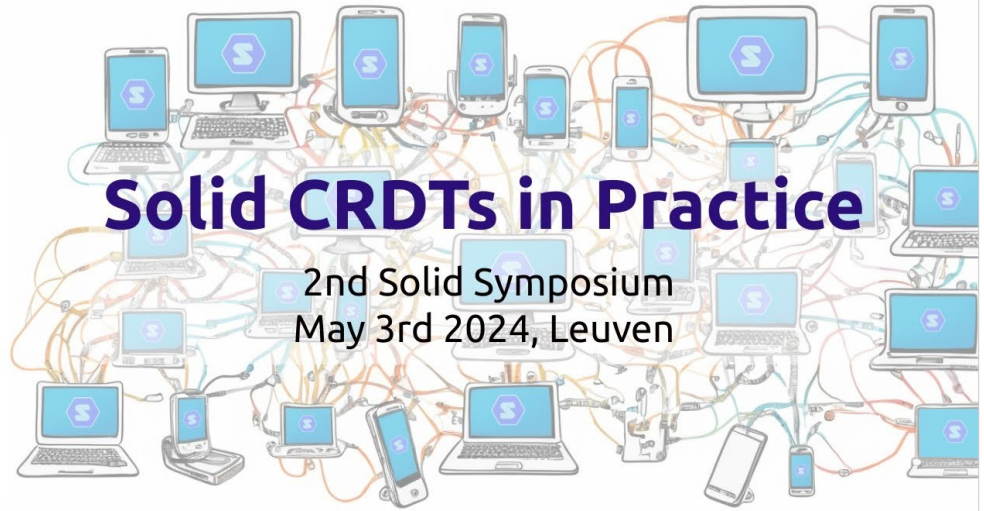


2nd Solid Symposium
May 2nd 2024, Leuven

noeldemartin.com/solid-symposium-dx

Solid CRDTs in Practice

2nd Solid Symposium
May 3rd 2024, Leuven



noeldemartin.com/solid-symposium-crdts

What's Next?

- More personal and “[home-cooked](#)” Apps
 - Calories Tracker (interop with Umai!)
 - Diogenes Reader
 - Shows Tracker
- AI
 - Vibe Coding?
 - Local-first + Solid out of the box ← AerogelJS

See you online!



Follow my work at
noeldemartin.com/now

You can also find me on the fediverse,
Bluesky, Twitter/X, etc.

noeldemartin.com/local-first