

An introduction to Solid



By Noel De Martin

February 18th, 2020

Hello, my name is Noel



- Developer & entrepreneur.
- Currently working at Moodle.
- Solid apps developer.



<https://noeldemartin.com>



@NoelDeMartin

What is Solid?



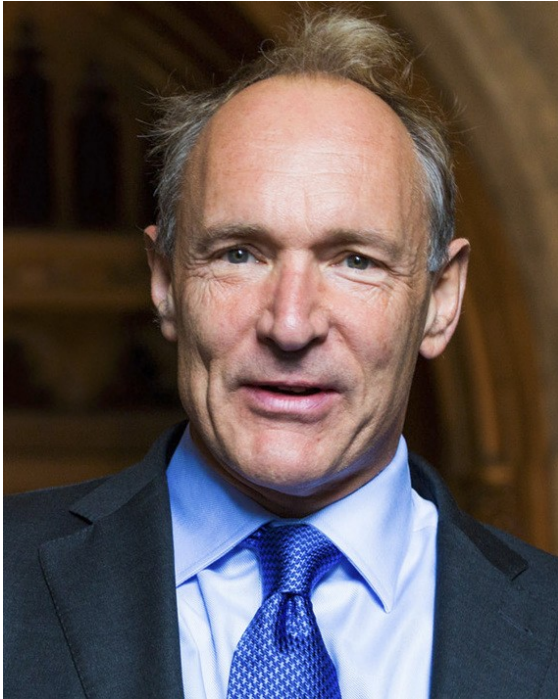
What is The Internet?



What is The Internet?

- The Internet is not **G**oogle.
- The Internet is not **A**pple.
- The Internet is not **F**acebook.
- The internet is not **A**mazo**n**.
- The internet is not **M**icroso**f**t.

Enter the World Wide Web (1989)



Tim Berners-Lee

- Invented in 1989 by Tim Berner's Lee.
- Conceived as **decentralized**.
- Technologies:
 - Browsers
 - HTTP
 - HTML
 - ...

Enter the W3C (1994)



The World Wide Web Consortium (Led by Tim Berners-Lee)

Enter The Semantic Web (2001)

- An extension of the original Web.
- Conceived as Linked Data.
- Technologies:
 - RDF
 - JSON-LD
 - ...

Source

MyData Barcelona Retweeted

Thais Ruiz de Alda @thaisruizdealda · 6h

¿Queréis conocer cómo controlar vuestros los datos personales en una sesión abierta al público general y en tono divulgativo? Todo lo que no nos atrevemos a preguntar, @mydatabcn nos lo explica la semana que viene de la mano de personas expertas! #Data

MyData Barcelona

Solid i SSI. Technologies dissenyades per protegir dades i privacitat

#mydatabcn
MydataBCN @mydatabcn

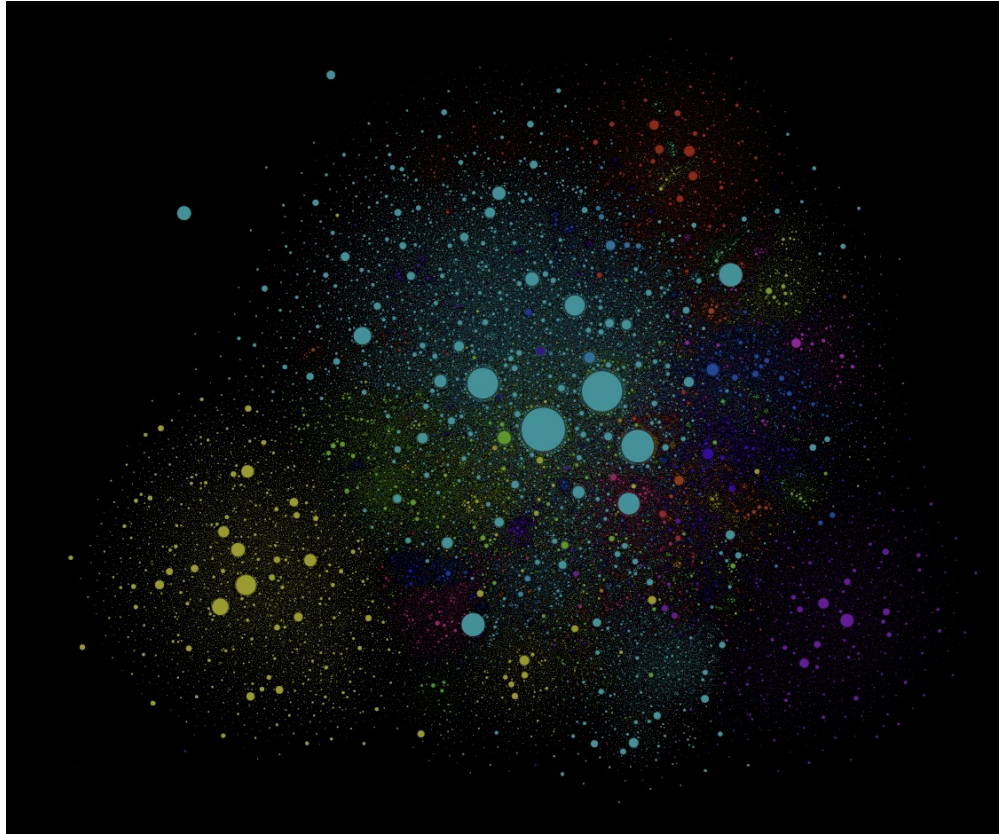
Caelum Labs @caelumlabs
Solid @SolidMit

Collabora
C> Caelum

Solid i SSI. Technologies dissenyades per protegir dades i privacitat
mar., 18 feb. 2020 19:00: ## MYDATAMyData és una perspectiva en la gestió de dades personals. Persegueix un ecosistema just i ètic entre l...
[meetup.com](#)

1 3 8

Fast forward to today (2020)



Guess which are the biggest circles.

The last survivors

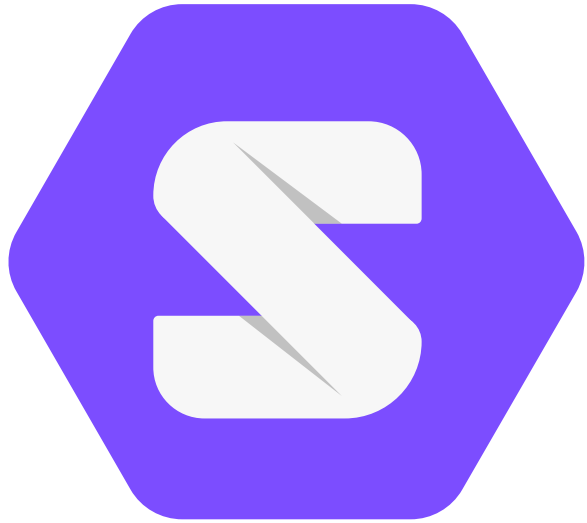


Email



RSS Feeds

Solid: Social Linked Data



2014: Start of Solid at MIT

Solid + Inrupt

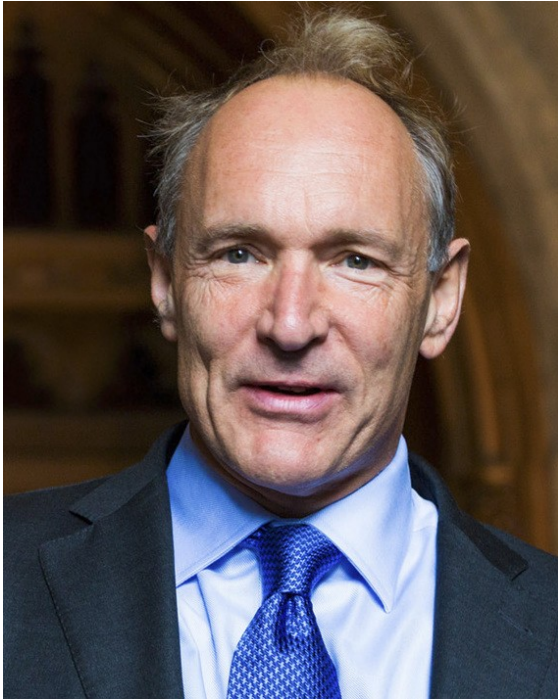


+



Founded in 2018 by
Tim Berners-Lee and John Bruce

Recap of the Tim Berners-Lee journey



Tim Berners-Lee

- 1989: Birth of The Web.
- 1994: Birth of the W3C.
- 2001: Birth of The Semantic Web.
- 2014: Birth of Solid.
- 2018: Birth of Inrupt.

What is Solid?



What is Solid?



MOVE FREELY BETWEEN SERVICES

Switch to the best tools
and take your data with
you.



REUSE DATA ACROSS APPS

Stop re-entering the
same data again and
again by recycling data
from app to app.



CONNECT WITH ANYONE

Connect to your friends
no matter what app they
are using.



SELECT WHAT YOU SHARE PRECISELY

Give access to the bare
minimum of data needed
for the service to work.

Login with your data POD



- You store your personal files & data.
- Choose what to share and with whom.
- Data is decoupled from applications.

A universal definition of Data

It's all about RDF Vocabularies

Movie

[Thing](#) > [CreativeWork](#) > [Movie](#)

A movie.

[more...]

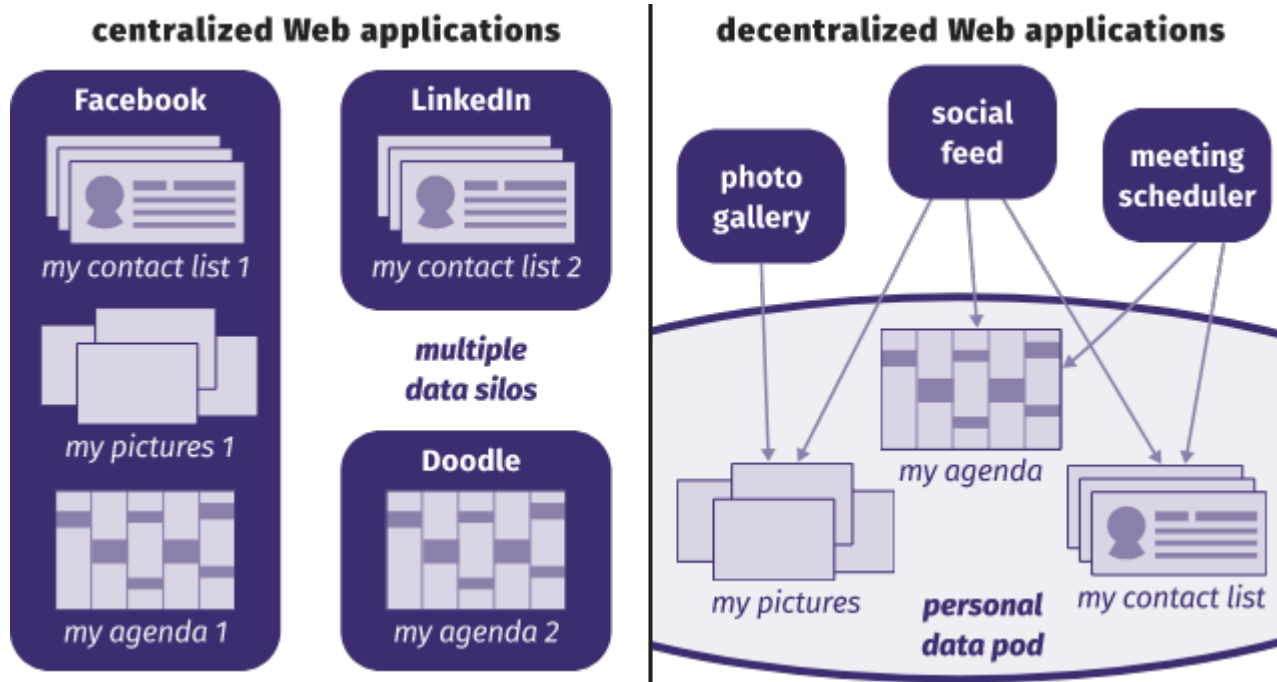
Property	Expected Type	Description
Properties from Movie		
actor	Person	An actor, e.g. in tv, radio, movie, video games etc., or in an event. Actors can be associated with individual items or with a series, episode, clip. Supersedes actors .
countryOfOrigin	Country	The country of the principal offices of the production company or individual responsible for the movie or program.
director	Person	A director of e.g. tv, radio, movie, video gaming etc. content, or of an event. Directors can be associated with individual items or with a series, episode, clip. Supersedes directors .
duration	Duration	The duration of the item (movie, audio recording, event, etc.) in ISO 8601 date format .
musicBy	MusicGroup or Person	The composer of the soundtrack.

<https://schema.org>

<https://lov.linkeddata.es>

- [Thing](#)
 - [Action](#)
 - [AchieveAction](#)
 - [LoseAction](#)
 - [TieAction](#)
 - [WinAction](#)
 - [AssessAction](#)
 - [ChooseAction](#)
 - [VoteAction](#)
 - [IgnoreAction](#)
 - [ReactAction](#)
 - [AgreeAction](#)
 - [DisagreeAction](#)
 - [DislikeAction](#)
 - [EndorseAction](#)
 - [LikeAction](#)
 - [WantAction](#)
 - [ReviewAction](#)
 - [ConsumeAction](#)
 - [DrinkAction](#)
 - [EatAction](#)
 - [InstallAction](#)
 - [ListenAction](#)
 - [ReadAction](#)

A decentralized web



A decentralized web

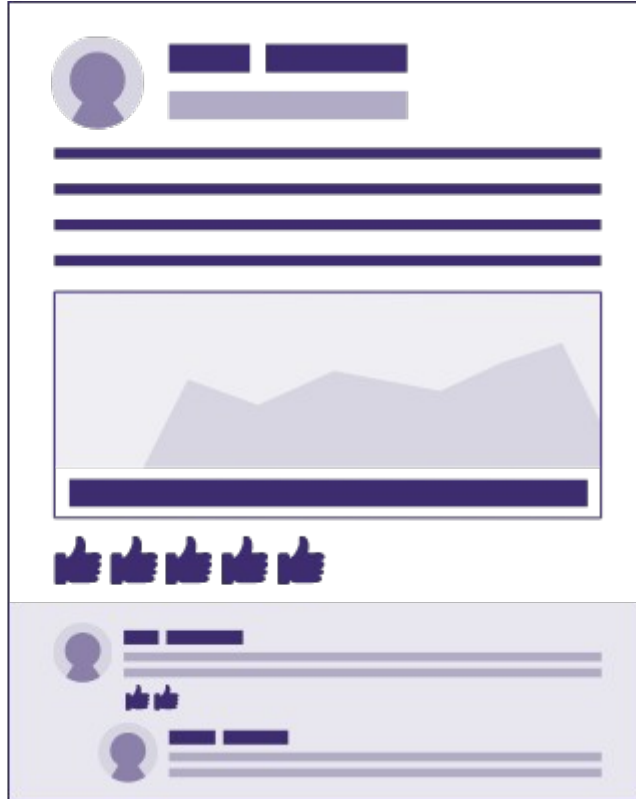
Author's name and latest profile picture
stored in author's personal data pod

Work-related opinion about an article
stored in data pod of author's company

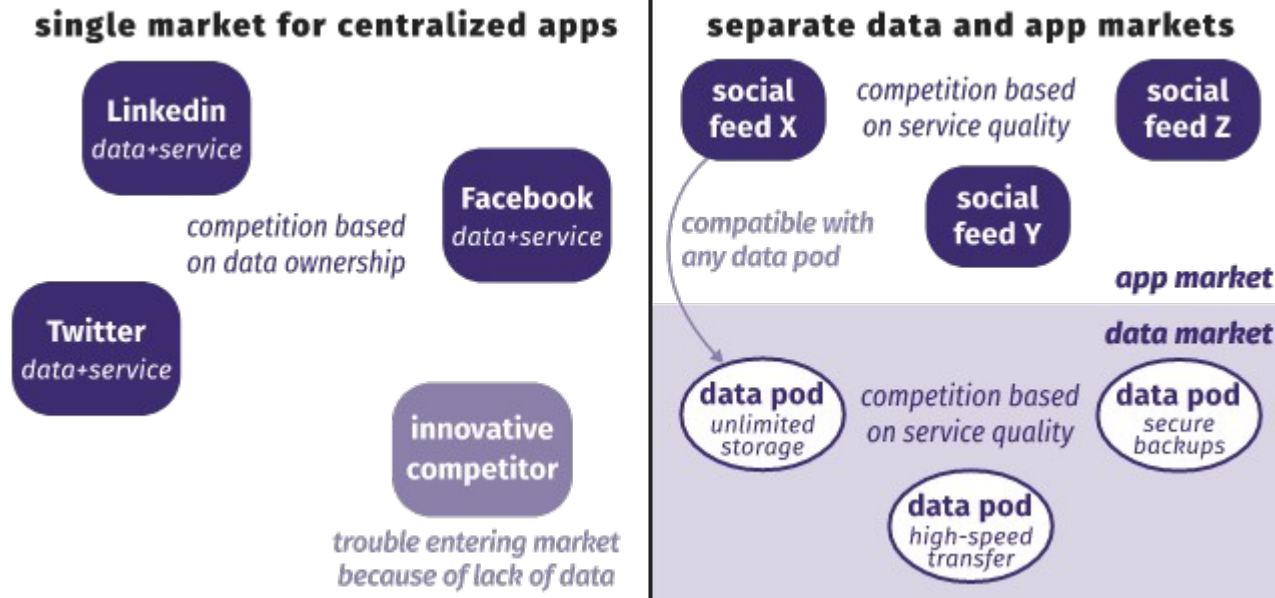
Discussed article title and photo
stored in news website's data pod

Likes on this post
each one in different individuals' data pods

Comments on this post
each one in different individuals' data pods



A decentralized web



How can you use Solid today?

POD Providers

<https://solid.inrupt.com/get-a-solid-pod>



Solid Community

A free provider for the Solid community, by the Solid community.



Inrupt

A free provider by the commercial entity established by the Solid founding team.

... or host your own

Solid Apps

<https://solidproject.org/use-solid/apps>



Solid Focus (Task Manager)

Chess Game, Note Taking, Blog Publishing, Links Manager, etc.

Any questions?



Learn more:

- <https://noeldemartin.com/now>
- <https://solidproject.org/>