Federated Data Architectures
Michiel de Jong
post-growth entrepreneur
@ Ponder Source
Michiel de Jong
Founder
@ Unhosted
Michiel de Jong
co-author
@ remoteStorage
Michiel de Jong
Ex Team Member
@ Solid OS
Michiel de Jong
Maintainer
@ Solid Test Suite
Michiel de Jong
Maintainer
@ OCM Test Suite
Michiel de Jong
Board Member
@ DAPSI
Michiel de Jong
Co-founder
@ PDS Interop
Part 1 of 2: Personal Data Store Interoperability
ALIGNMENT IS HARD
BUT WE’LL KEEP TRYING
1. ARCHITECTURE
2. BRIDGES
3. DATA MOVES
4. PROGRESS
5. OUTLOOK
1. ARCHITECTURE
software has moved online
store user data at the software provider?
personal data Stores
personal
cloud
servers
enterprise
file synchronisation
and sharing
data portability
for end-users
switching services
Meet the brightest ideas for solving Data Portability challenges!
federation
between
networks
Open
Cloud
Mesh
2. BRIDGES
SOLID-Nextcloud
remoteStorage.js

polyglot client lib
3. DATA MOVES
Distributed Versioning
Linked Data

IPFS

CRDT
The Oracle Problem
The Web
Vs
The World
The sameAs Problem
data
moves
around
software
architecture
matters
server
architecture
matters
application
architecture
matters
4. PROGRESS
The CURSE of Freedom
Discussions
Experiments
Test Suites
## Current Sponsors

These awesome *Solid-related startups* collectively sponsor the maintenance of the independent Solid test suite through our [Open Collective](https://opencollective.com/solid), click on their logos to check them out!

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<td><img src="image2.png" alt="O Team Logo" /></td>
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<td>(coming soon!)</td>
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Addressbook

NB: this currently mainly describes how Solid OS stores data on a SPARQL endpoint.

You can create an addressbook containing persons and groups, by creating RDF documents on your pod. To create an addressbook, create a directory e.g., `/address-book/index.ttl`, and add the following triples to that directory:

```turtle
/address-book/index.ttl#this a vcard:AddressBook .
/address-book/index.ttl#this dc:title "New address Book" .
/address-book/index.ttl#this acl:owner </profile/card#me> .
```
remoteStorage

Abstract

This draft describes a protocol by which client-side applications, running inside a web browser, can communicate with a data storage system that is hosted on a different server. This protocol...
5. OUTLOOK
PDS
Interoperability
For Files?
PDS
Interoperability
For App Data?
ALIGNMENT IS HARD
BUT
schema

on

read!
continuous
polyglot
import!
WE’LL KEEP TRYING
THANK YOU!

@michielbdejong