#### Federated

Architectures

post-growth entrepreneur

@ Ponder Source

Founder

@ Unhosted

co-author

@ remoteStorage

Ex Team Member

@ Solid OS

# Michiel de Jong Maintainer

@ Solid Test Suite

# Michiel de Jong Maintainer

@ OCM Test Suite

#### Board Member

© DARS

Co-founder

@ PDS Interop

#### Part 1 of 2:

#### Personal Data Store

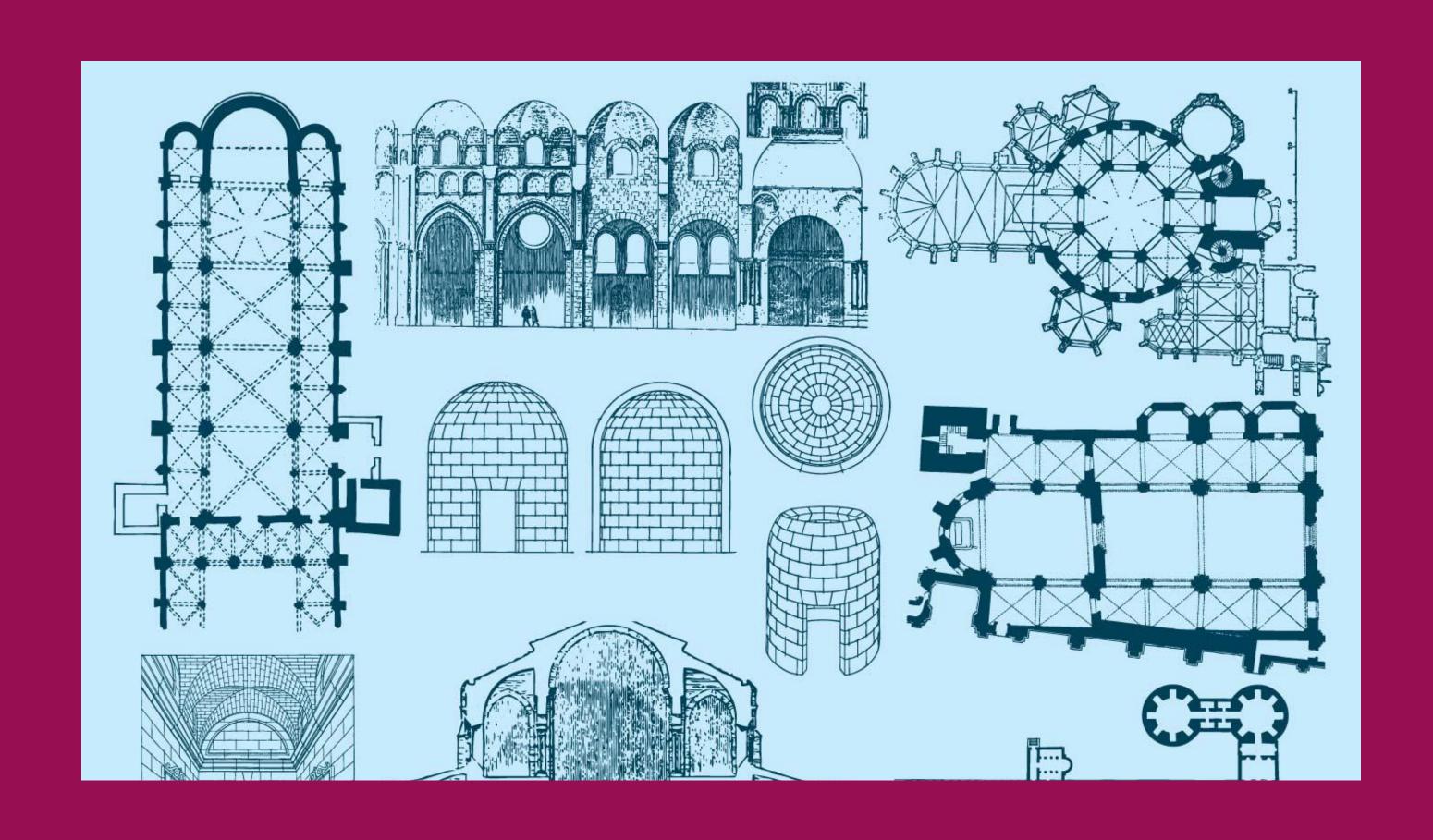
Interoperability

#### ALIGNMENT

#### 

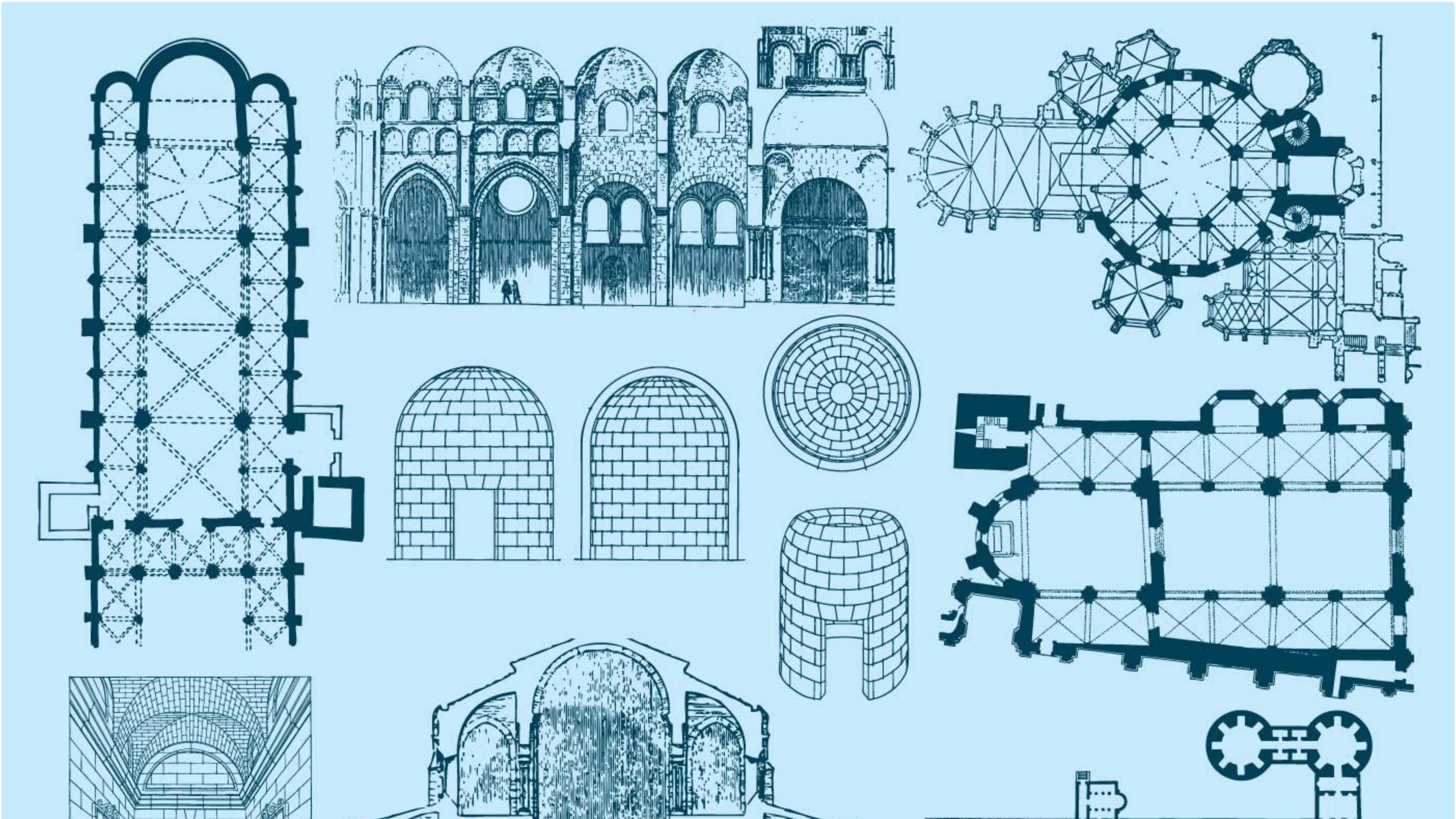
#### 1.ARCHITECTURE 2. BRIDGES 3. DATA MOVES 4. PROGRESS 5. OUTLOOK

#### 1. ARCHITECTURE



#### software

#### has moved



#### store user data

#### at the

software provider?



#### personal

Stores

#### personal

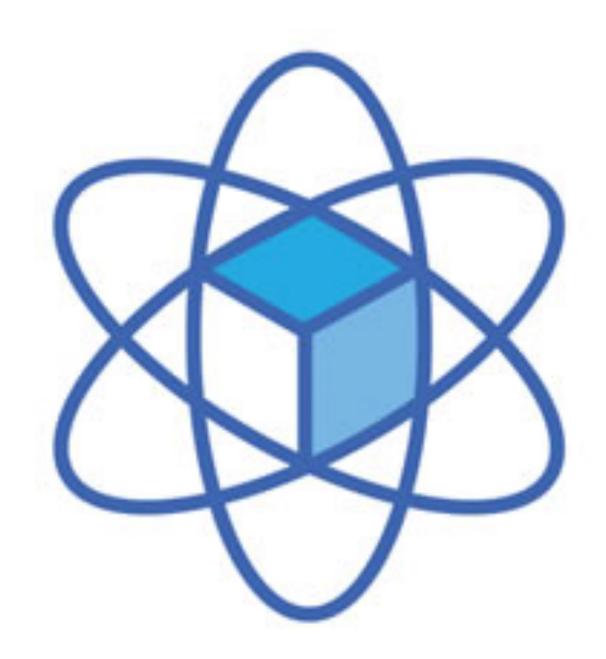
SEIWEIS



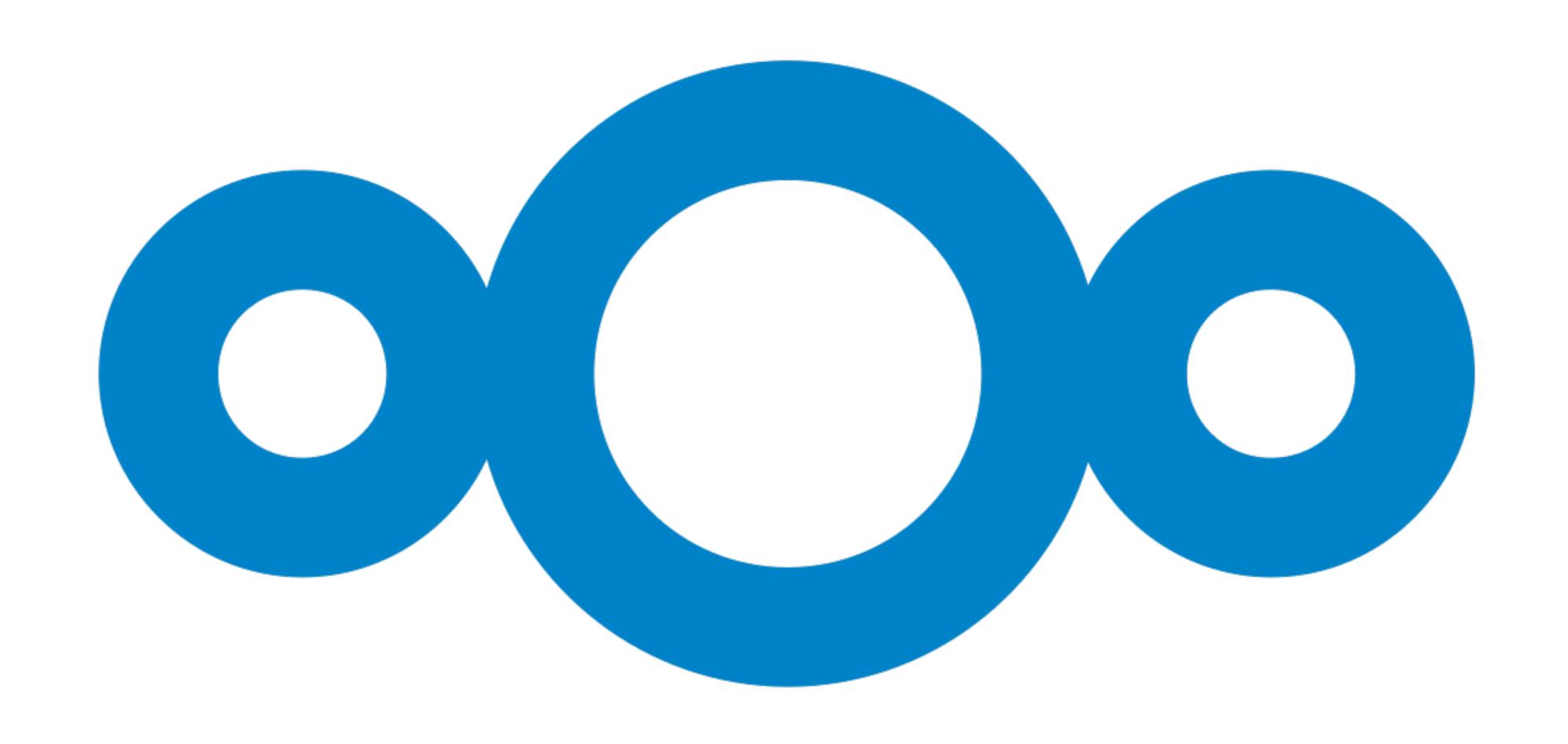
#### enterprise

#### file synchronisation

and sharing



## RERNBOX



#### Nextcloud

#### data portability

for end-users

switching services

#### 



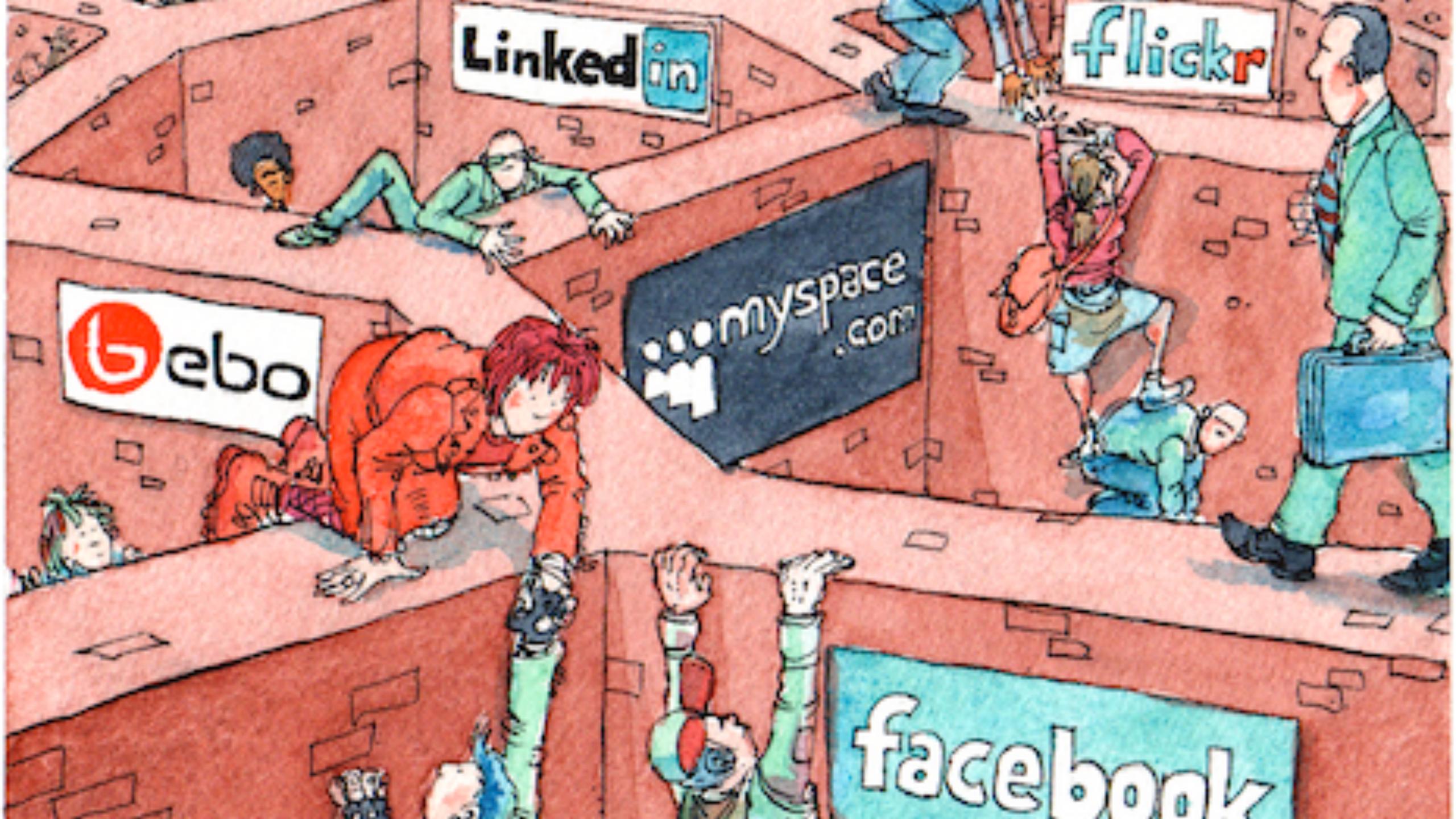
Meet the brightest ideas for solving Data Portability challenges!

#### federation

between

networks





## Open



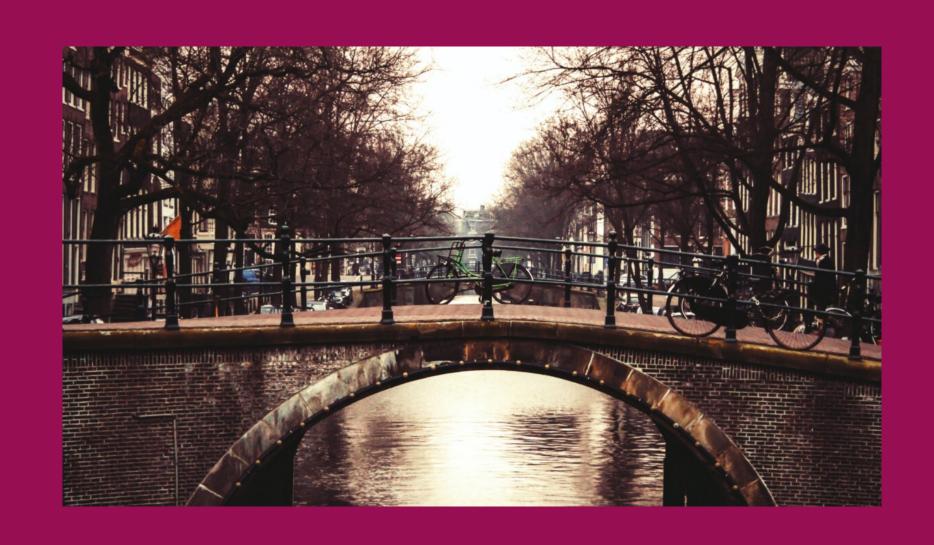
#### OPENCLOUDIMESH

#### 

#### Notifications

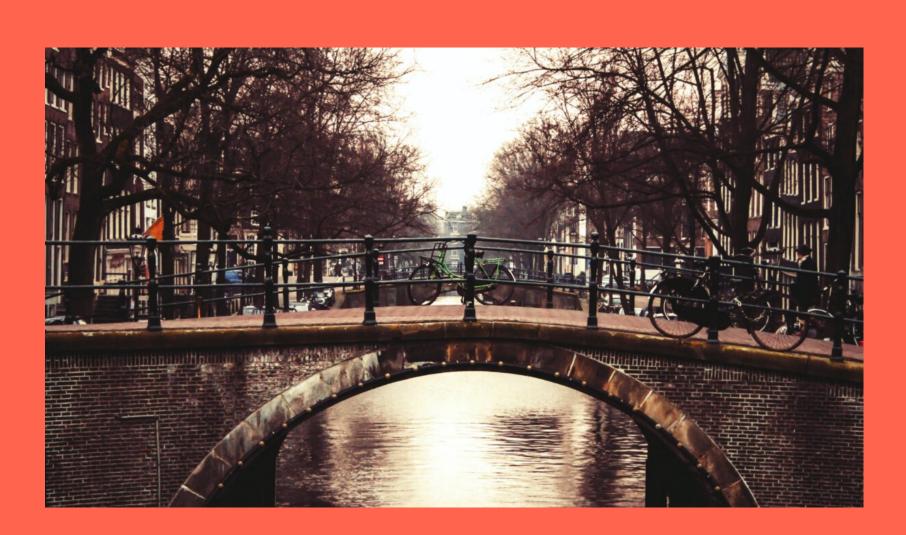
Mebbana

#### 2. BRIDGES



#### SOLID-Nextcloud







#### ScienceMesh-Nextcloud







### remoteStorage.js







### polyglot client lib

### 3. DATA MOVES

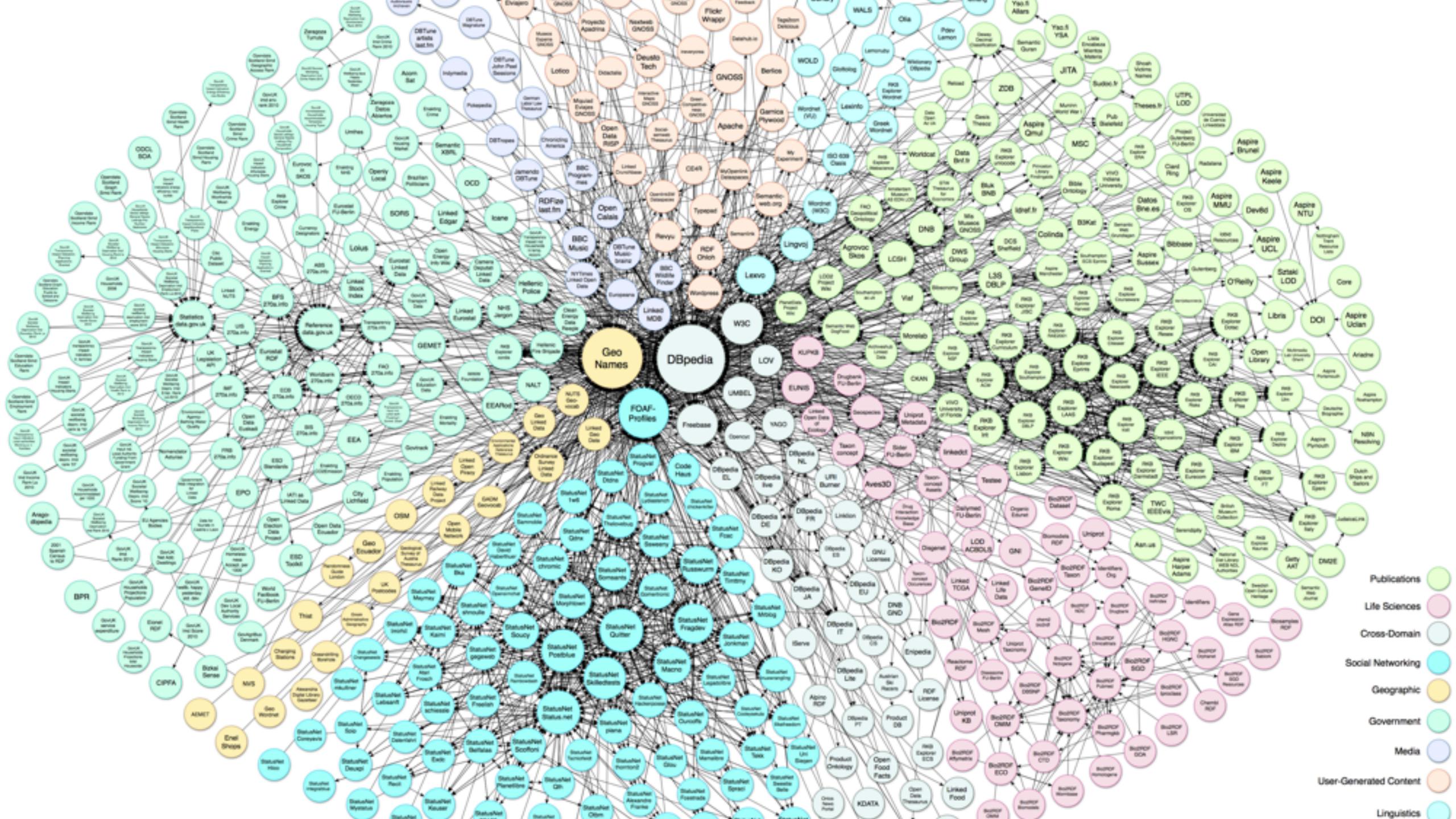


### Distributed

### Versioning



### Linked Data



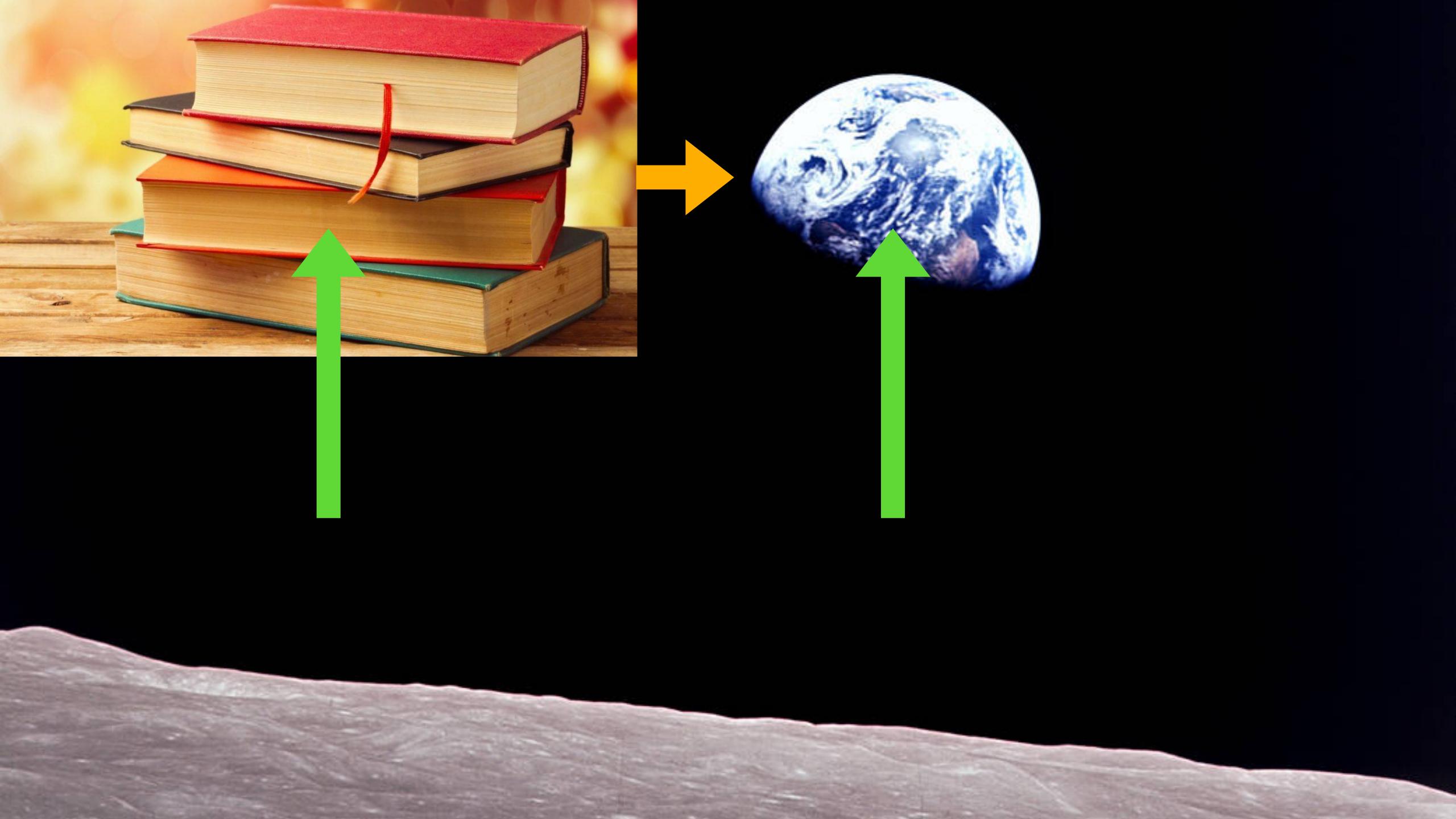
Oracle

Problem



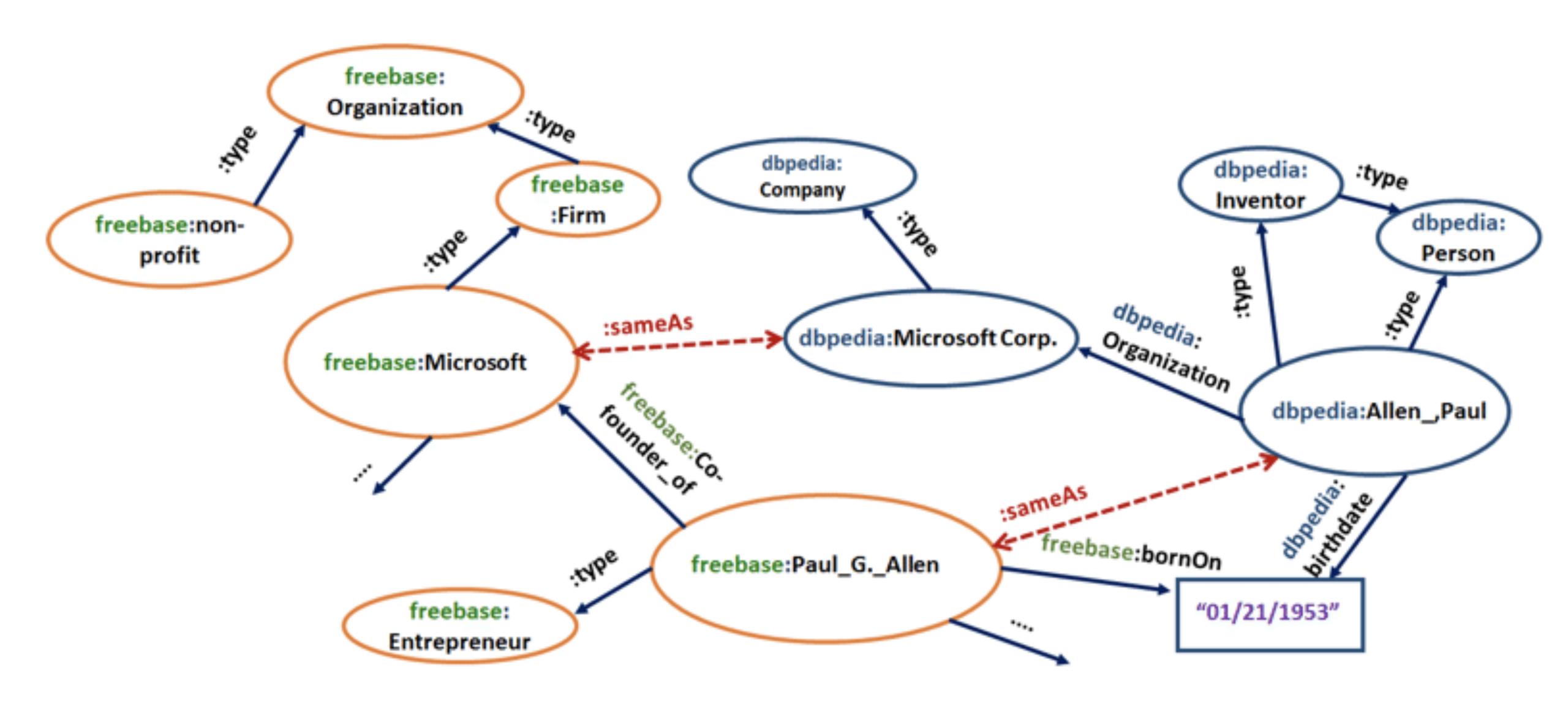
#### The Web

The Word



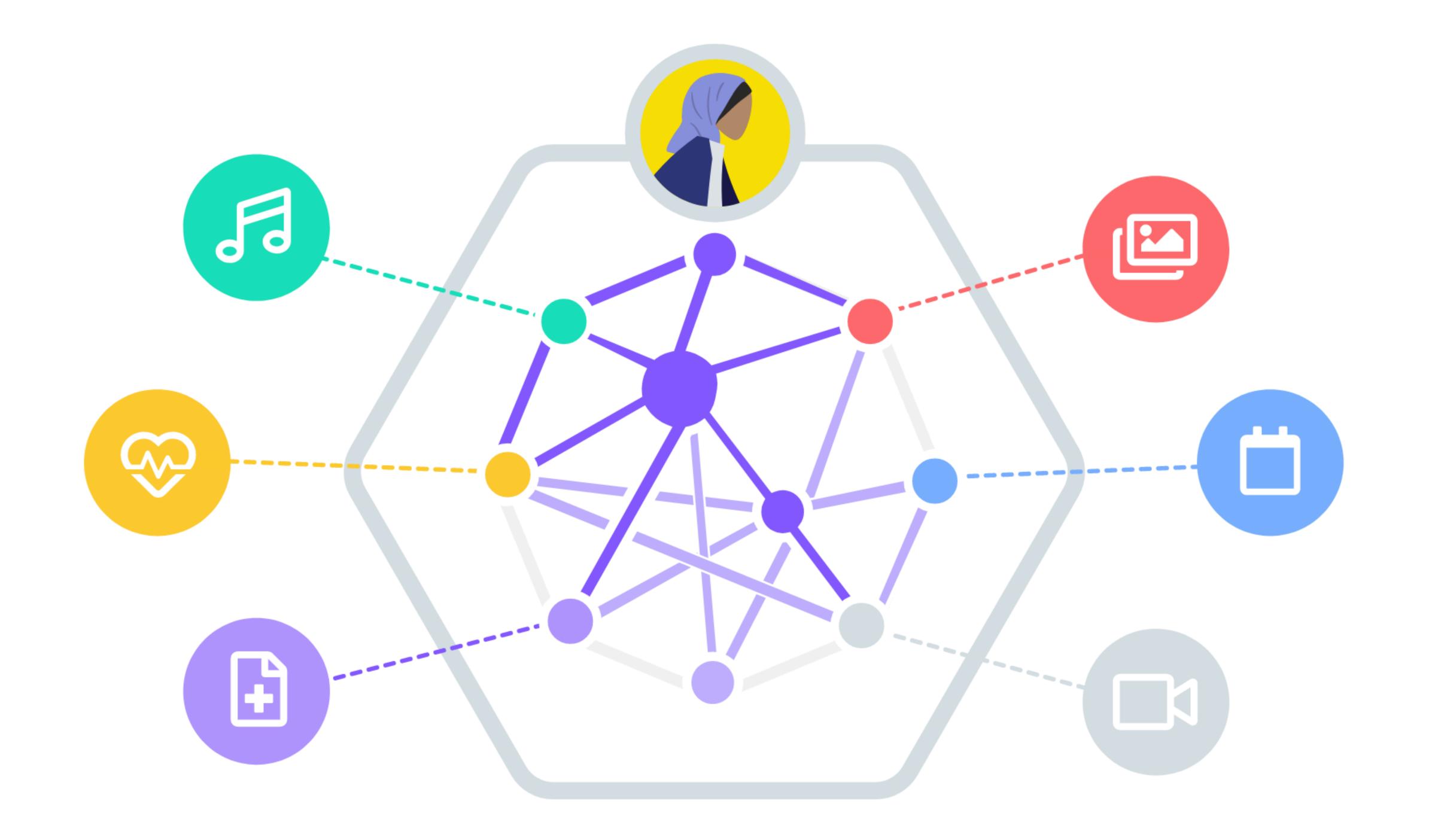
sameAs

Problem



MOVES

around



### software

### architecture

matters

### architecture

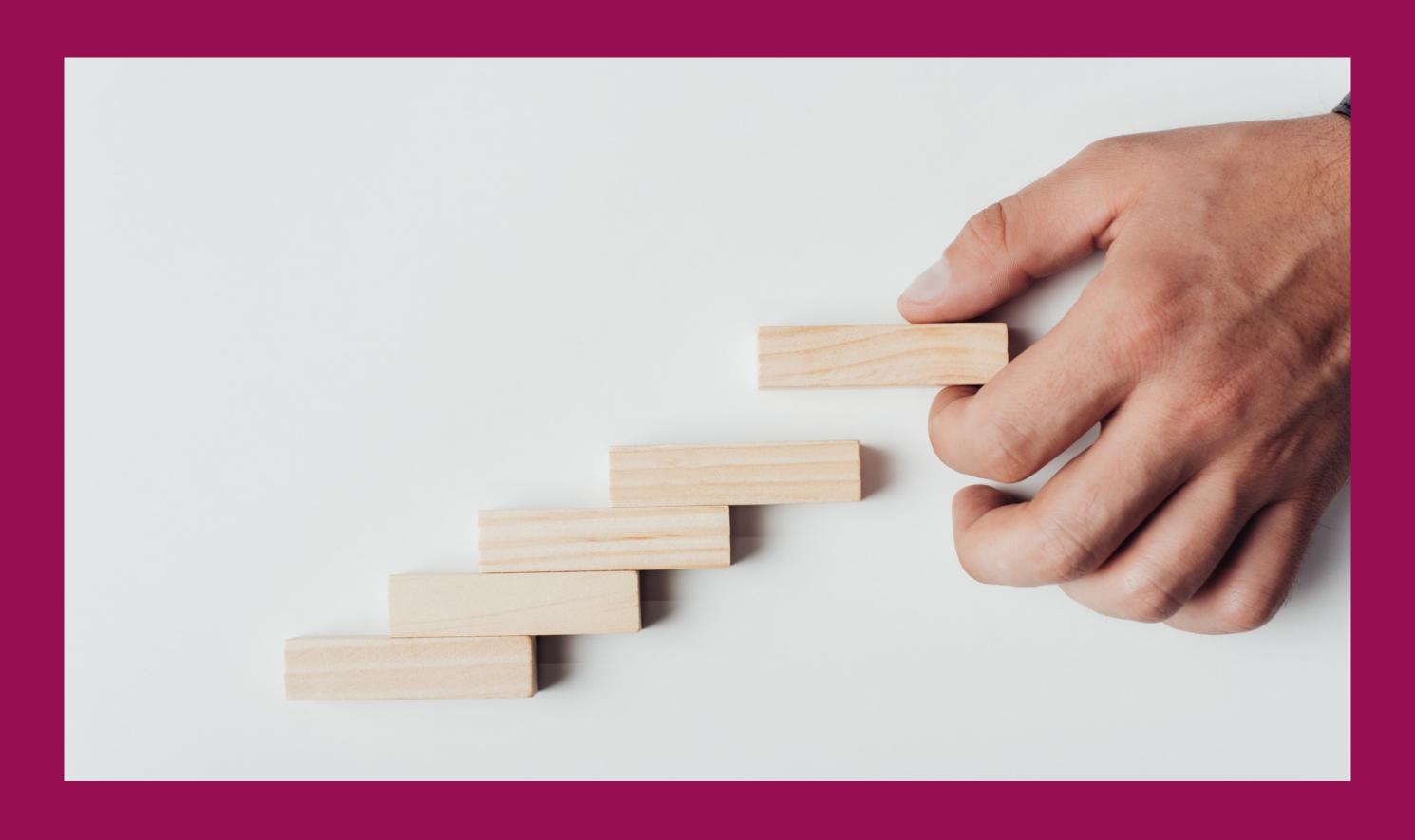
matters

### application

### architecture

matters

### 4. PROGRESS



### CUBSE

### of Freedom





### Discussions

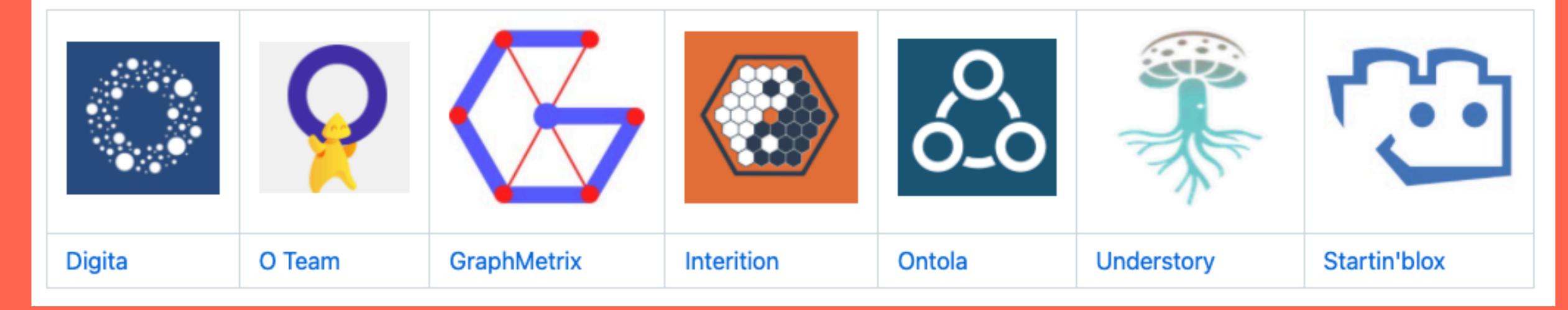
### Experiments

Test Suites

### Solid Test Suite

#### **Current Sponsors**

These awesome Solid-related startups collectively sponsor the maintenance of the independent Solid test suite through our Open Collective, click on their logos to check them out!



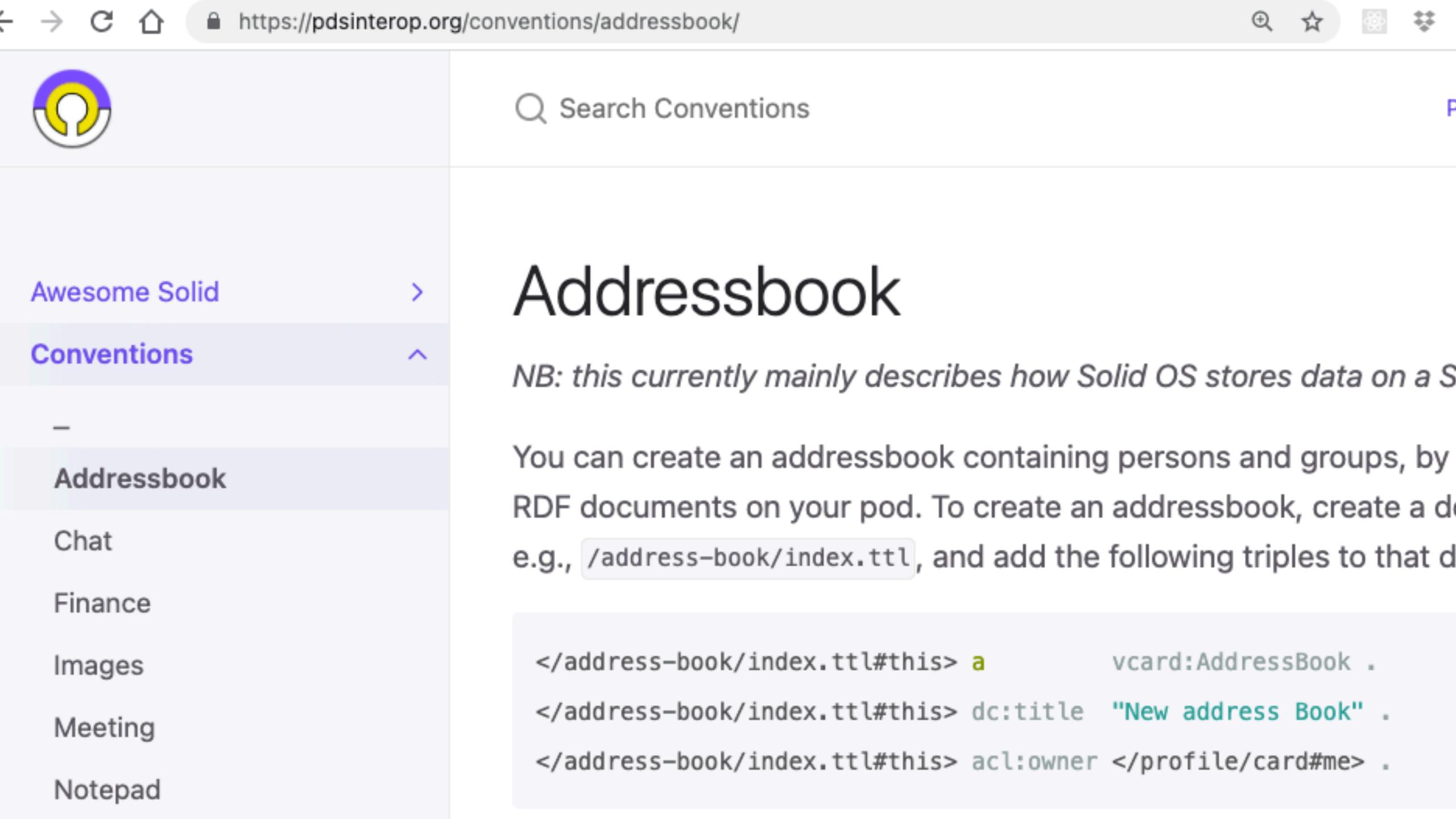
### Solid Test Suite

#	name	version	prog.lang	IDP	CRUD	WAC	(WPS)	(CON)	(MON)
1.	Node Solid Server	(each PR)	JavaScript	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
2.	PHP Solid Server	(each PR)	PHP	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
3.	Solid-Nextcloud	(each PR)	PHP	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
4.	Community Solid Server	v1.1.0	TypeScript	1)	<b>✓</b>	6)	<b>✓</b>	<b>✓</b>	
6.	TrinPod	stage.grx.net	Lisp	1)	<b>✓</b>	<b>✓</b>		2)	
5.	Inrupt ESS	pod.inrupt.com	Java	1)	<b>✓</b>	3)	4)	5)	
7.	Reactive-SoLiD	(coming soon!)	Scala						
8.	DexPod	(coming soon!)	Ruby						
9.	Disfluid	(coming soon!)	С						

### documentation

## pdsinterop.org

(and other places!)



```
[Search] [txt|pdf|bibtex] [Tracker] [Email] [Diff1] [Diff2] [Nits]
Versions: <u>00 01 02 03 04 05 06 07 08 09 10 11 12</u>
           <u>13</u> <u>14</u> <u>15</u> <u>16</u> <u>17</u>
                                                             Michiel B. de Jong
INTERNET DRAFT
Document: <u>draft-dejong-remotestorage-17</u>
                                                                   (independent)
                                                                       F. Kooman
                                                                   (independent)
                                                                         S. Kippe
                                                                   (independent)
Intended Status: Proposed Standard
Expires: 1 December 2021
                                                                    14 June 2021
```

https://datatracker.ietf.org/doc/html/draft-dejong-remotestorage

#### remoteStorage

Abstract

This draft describes a protocol by which client-side applications, running inside a web browser, can communicate with a data storage

### 5. OUTLOOK

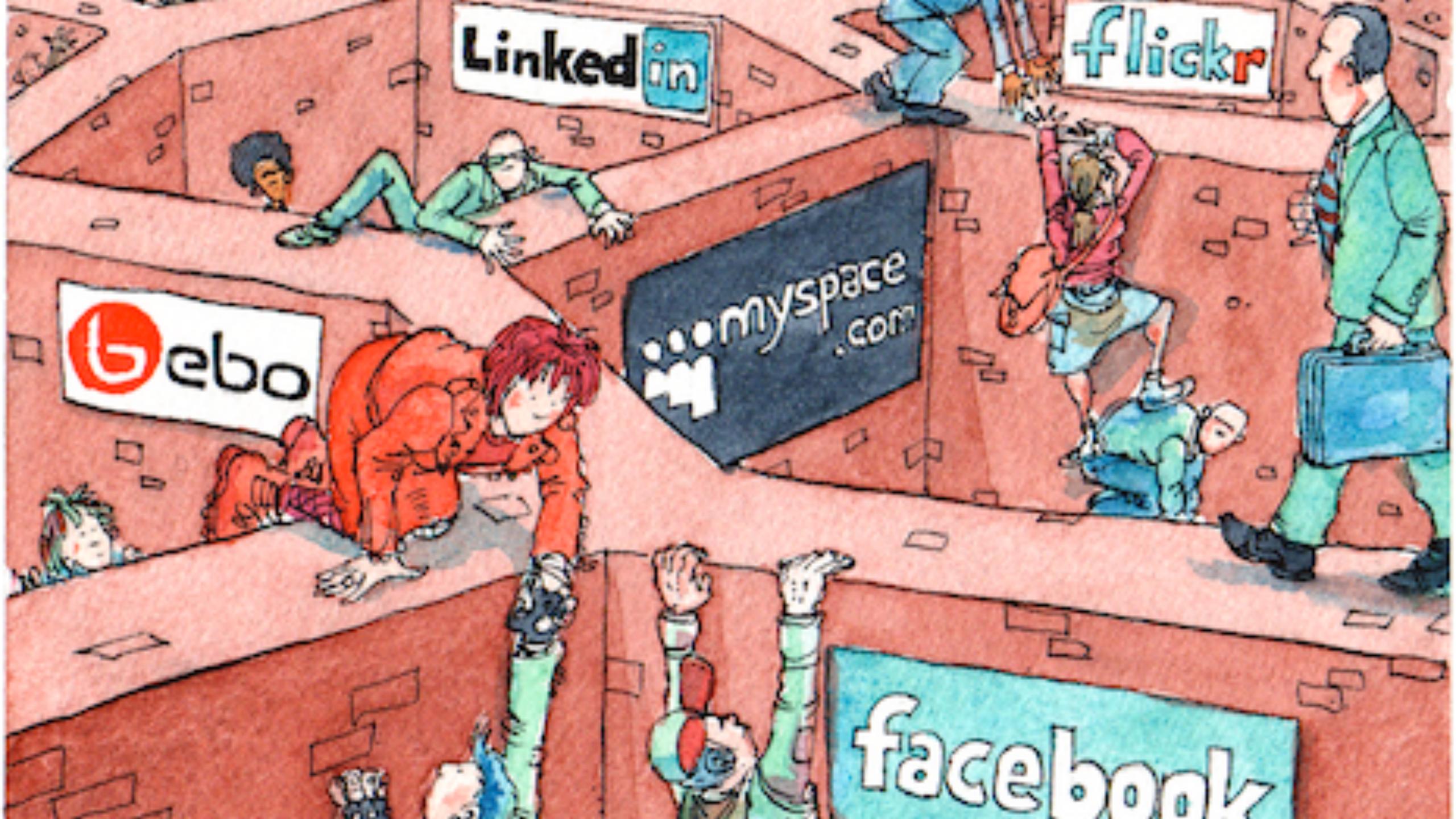


### Interoperability

For Files?

### Interoperability

For App Data?



#### ALIGNIMENT

### schema

### continuous

polyglot

import.

# THANK YOU!

## @michielbdejong