



SolidCouch and Solid-based Social Network

Solid Symposium 2025

The Plan

- demo
- elements
- potential

Demo

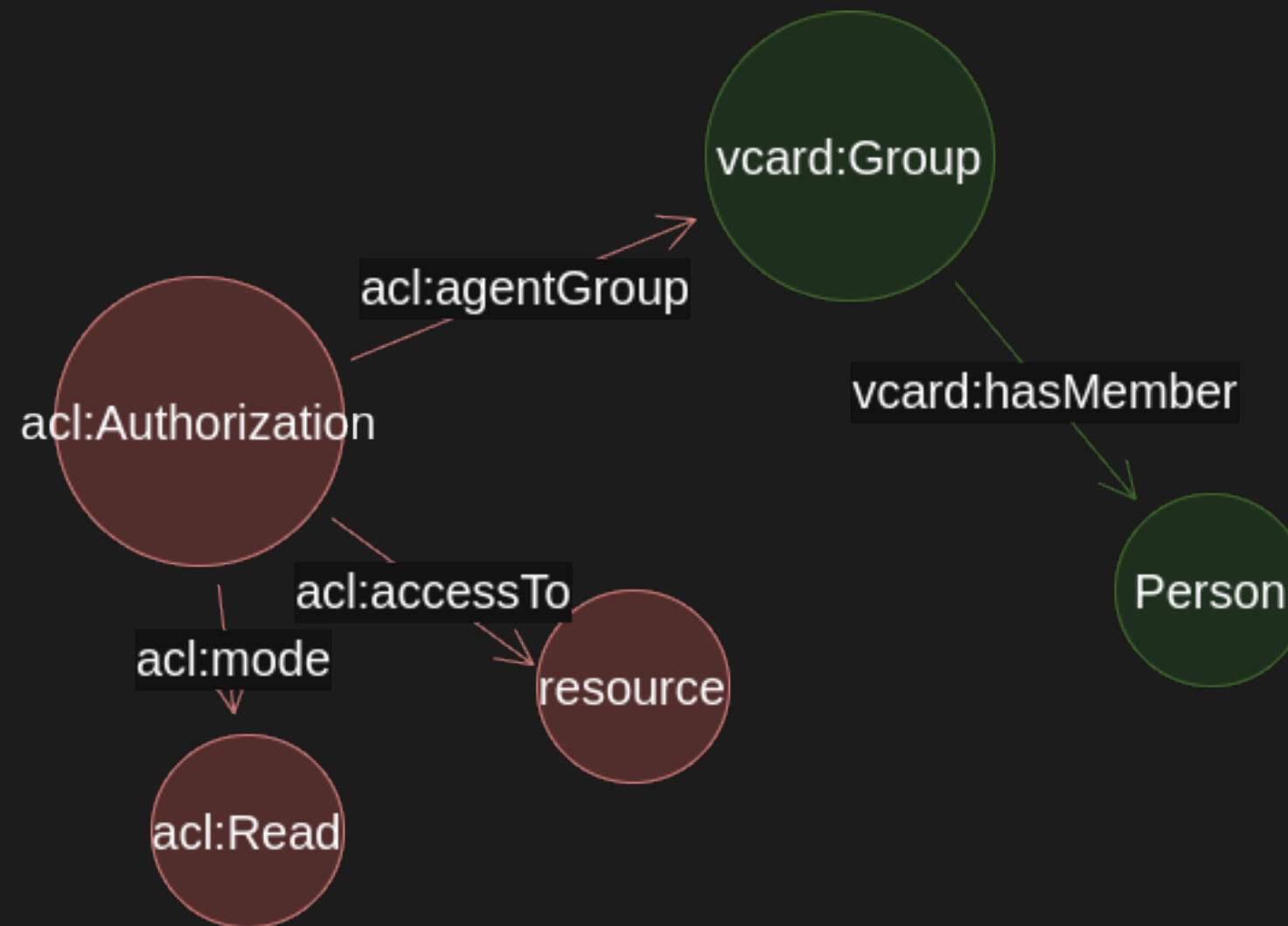
<https://folks.solidcouch.org>

<https://tired.bike>

Social Network Elements

Social Network Elements

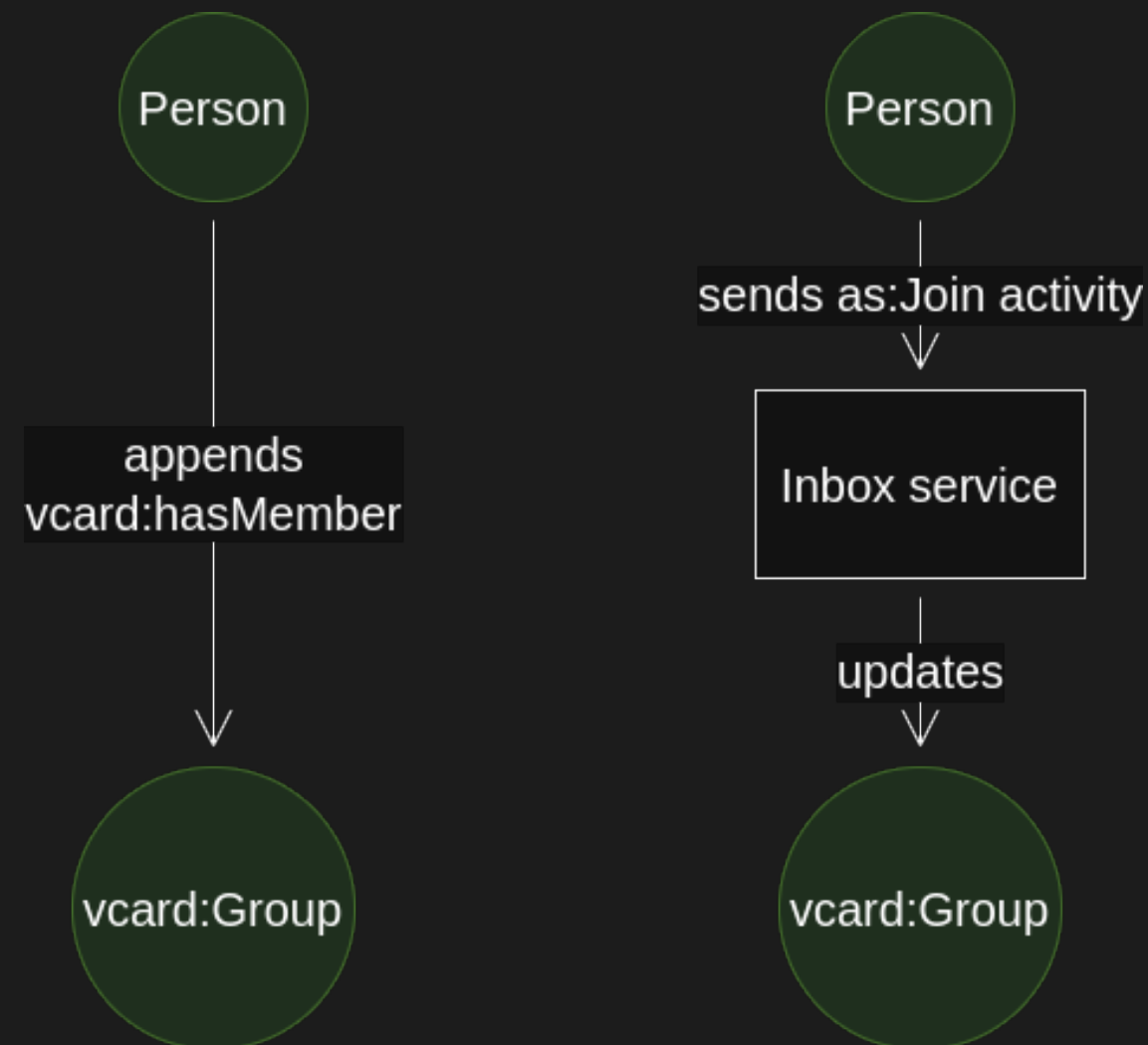
1. Sharing



Social Network Elements

1. Sharing

joining



Social Network Elements

1. Sharing

ACP Matchers?

Example authorization graph

```
ex:matcherA
  a acp:Matcher ;
  acp:agent ex:Alice, acp:OwnerAgent .
```

acp spec

not yet.

Social Network Elements

1. Sharing - issues

privacy
scalability

Social Network Elements

1. Sharing

Group ids

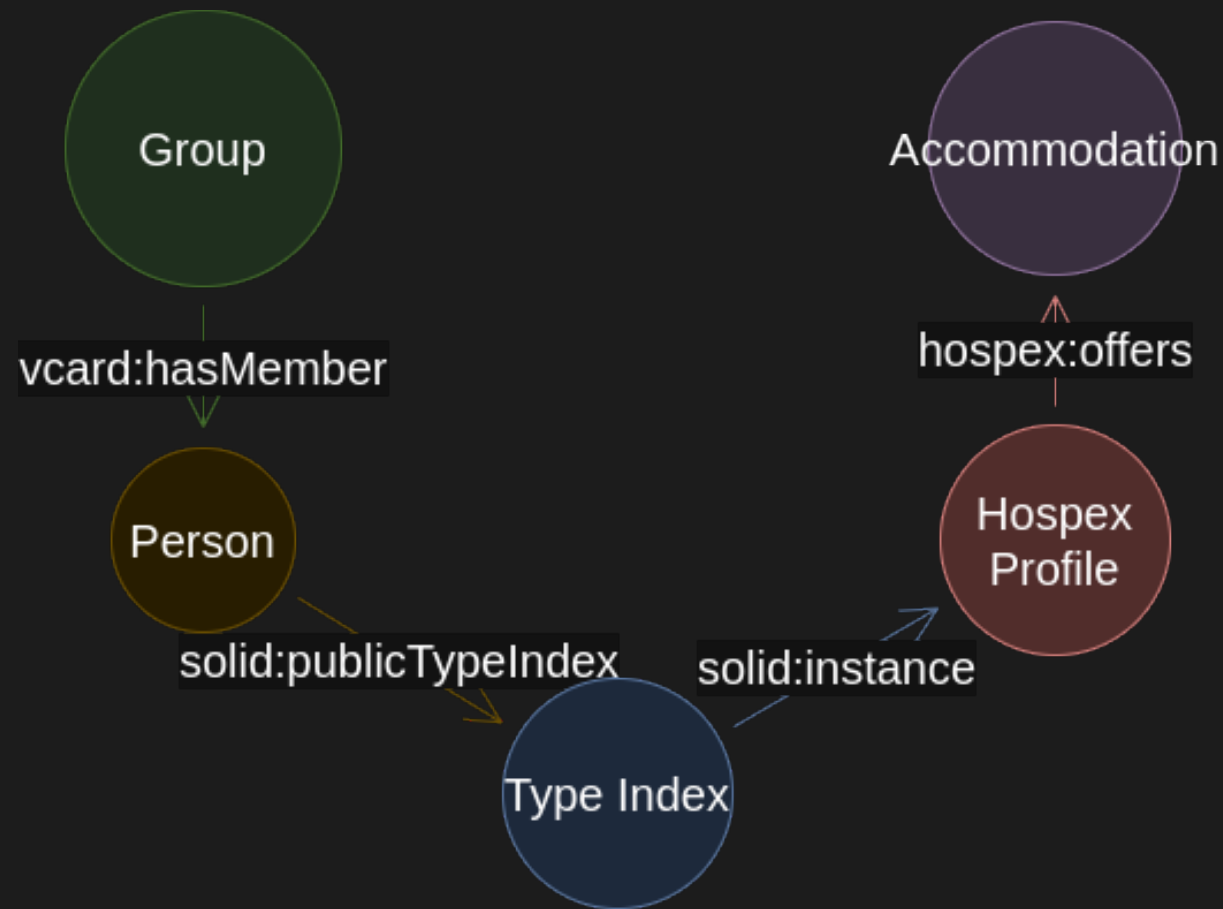
Social Network Elements

2. Discovery

Social Network Elements

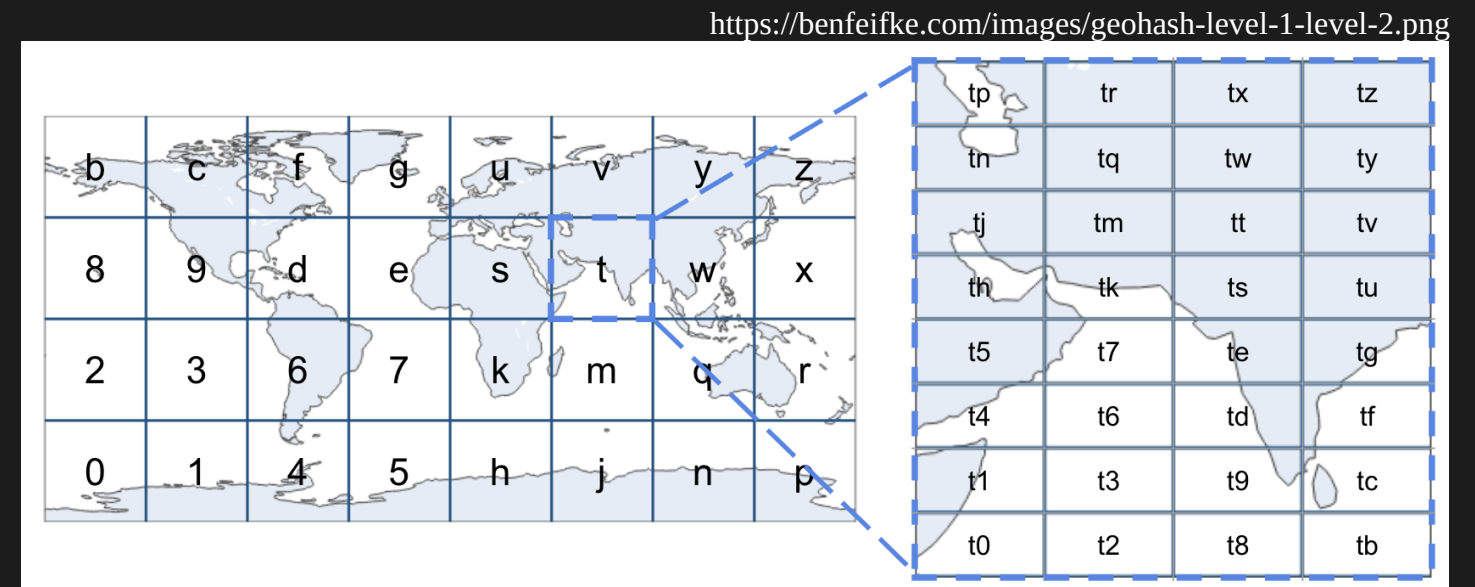
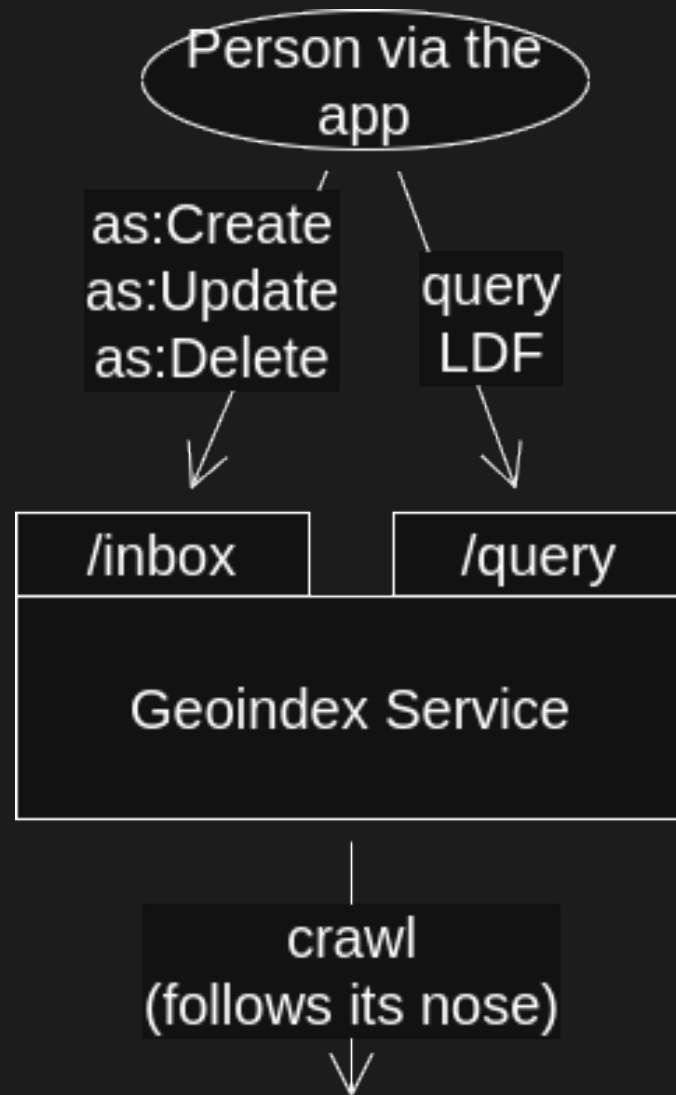
2. Discovery

follow your nose



Social Network Elements

2. Discovery



<https://linkeddatafragments.org/specification/triple-pattern-fragments/>

Triple Pattern Fragments

A low-cost, queryable Linked Data Fragments interface

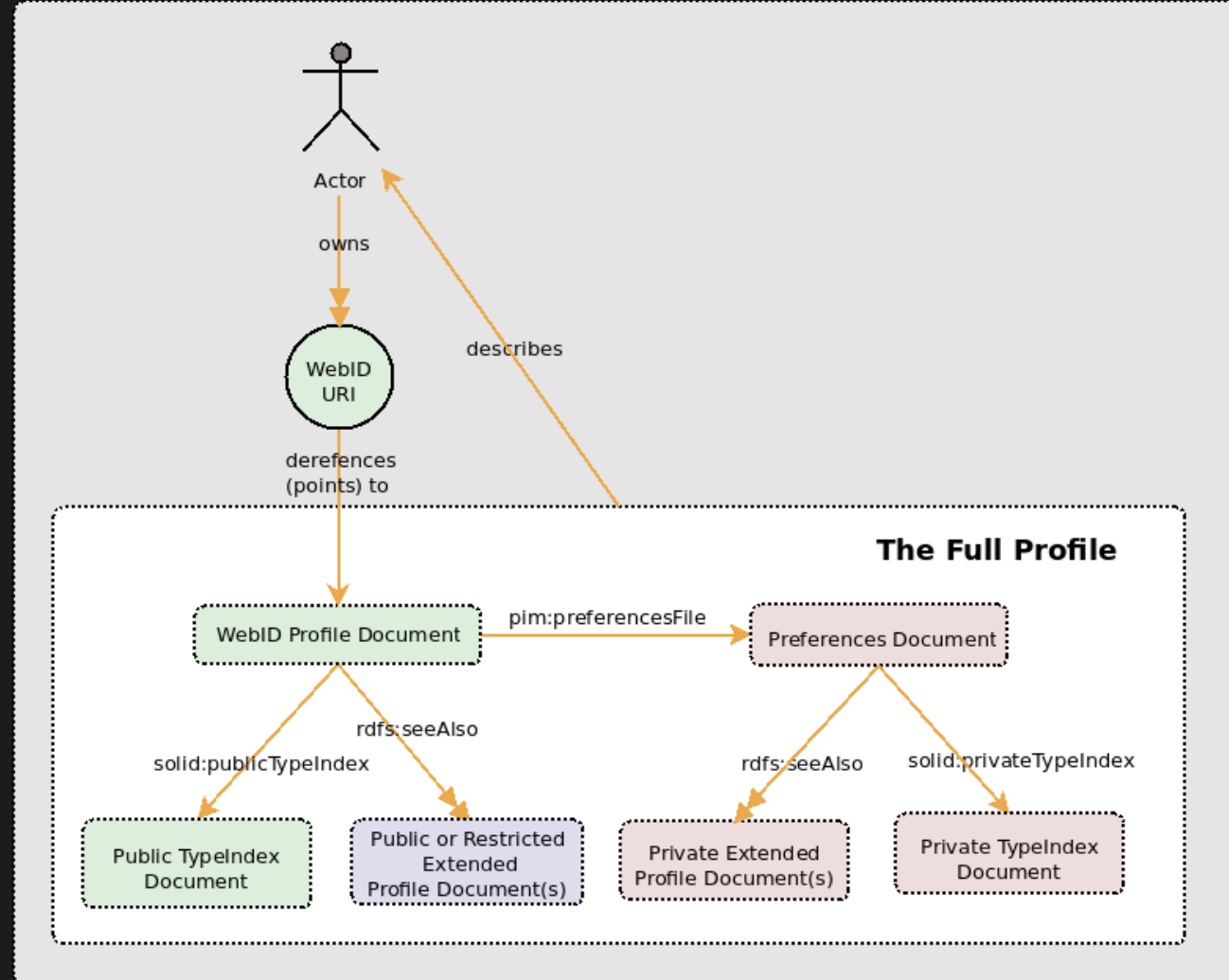
GET [https://geoindex.example.com/query?object="u"](https://geoindex.example.com/query?object=)

Social Network Elements

2. Discovery

LDhop <https://github.com/ldhop/ldhop>

```
1 [
2   {
3     type: 'match',
4     subject: '?person',
5     predicate: rdfs.seeAlso,
6     pick: 'object',
7     target: '?profileDocument',
8   },
9   {
10    type: 'add resources',
11    variable: '?profileDocument'
12  },
13  {
14    type: 'match',
15    subject: '?person',
16    predicate: solid.publicTypeIndex,
17    pick: 'object',
18    target: '?publicTypeIndex',
19  },
20  {
21    type: 'match',
22    subject: '?person',
23    predicate: space.preferencesFile,
24    pick: 'object',
25    target: '?preferencesFile',
26  },
27  {
28    type: 'add resources',
29    variable: '?preferencesFile'
30  },
31  {
32    type: 'match',
33    subject: '?person',
34    predicate: solid.privateTypeIndex,
35    pick: 'object',
36    target: '?privateTypeIndex',
37  },
38  {
39    type: 'match',
40    subject: '?person',
41    predicate: ldp.inbox,
42    pick: 'object',
43    target: '?inbox',
44  }
45 ]
```



Solid WebID Profile spec

Social Network Elements

3. Communication

Solid chat

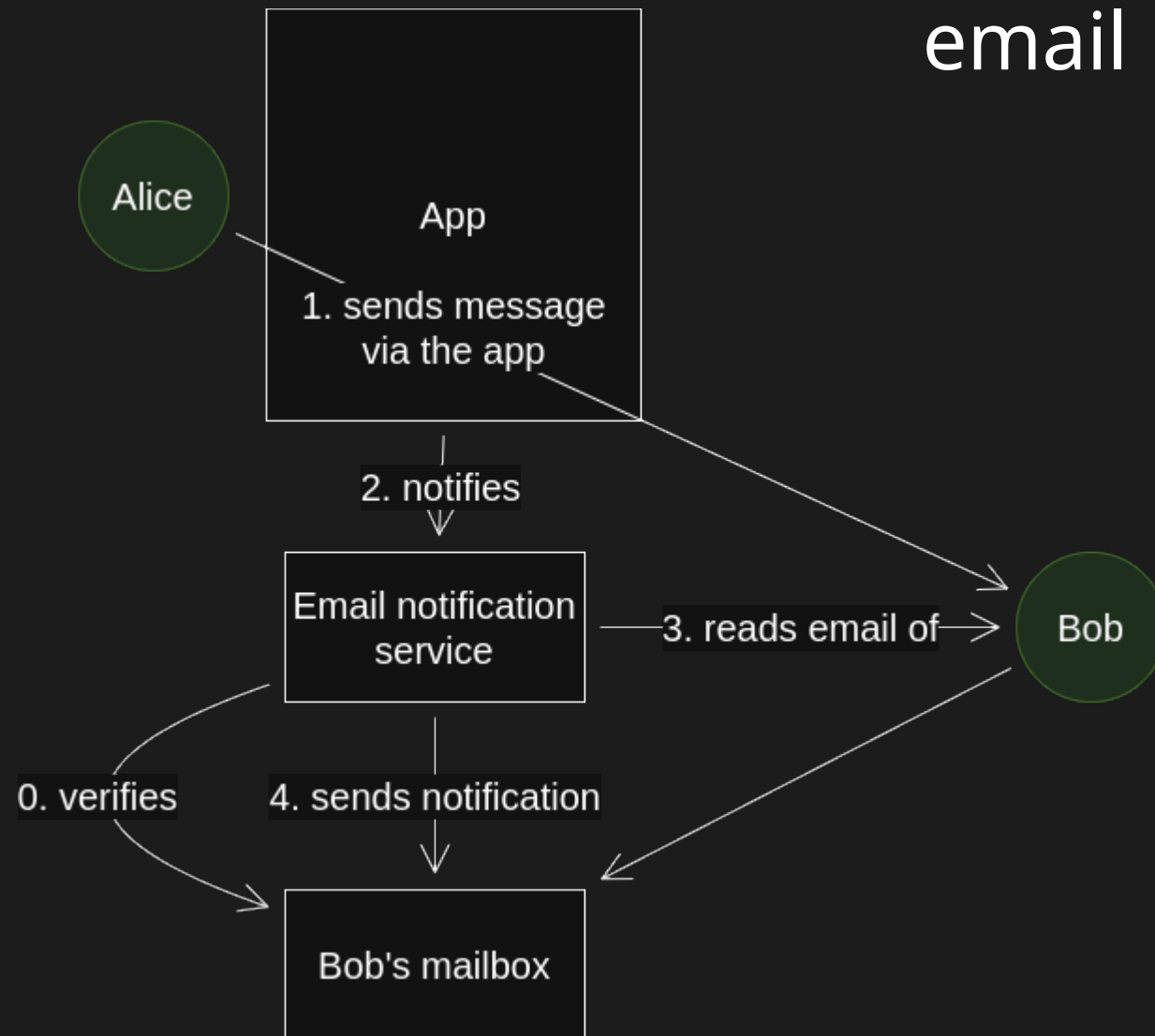
[matrix]?

Social Network Elements

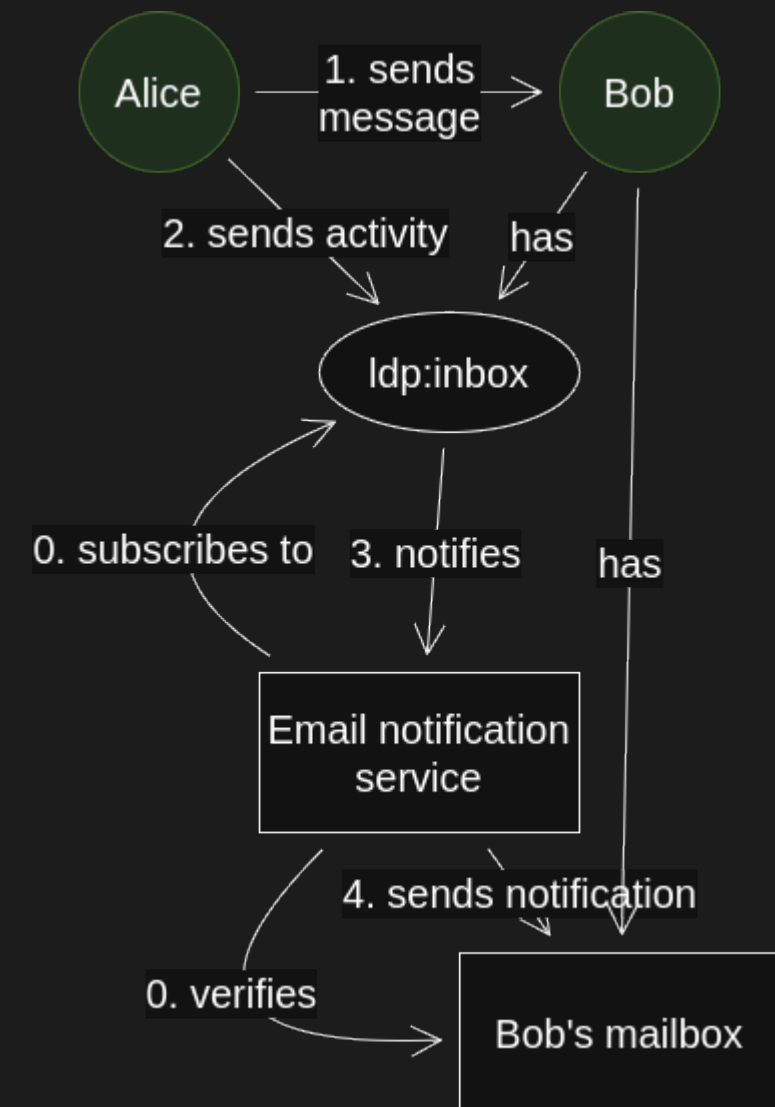
3. Communication

email notifications

direct email notifications



webhook email notifications



Social Network Elements

3. Communication

Data vs Messages

Social Network Elements

3. Communication

Data vs Messages

Linked Data Notifications

ActivityPub



Social Network Elements

3. Communication

Data vs Messages

Linked Data Notifications

ActivityPub

ActivityStreams

Social Network Elements

- Data sharing
 - Discovery
- Communication

https://ldo.js.org



Linked Data Objects (LDO)

1.0.0-alpha.X ▾



GitHub
☆ 35 🍴 6

Linked Data Objects (LDO)

Guides

[For Raw Rdf](#)

[For Solid](#)

[For NextGraph](#)

[For Solid+React](#)

[Advanced Data Manipulation](#)

API

[@ldo/cli](#) >

[@ldo/ldo](#) >

[@ldo/connected](#) >

[@ldo/connected-solid](#) >

[@ldo/solid-react](#) >

Blog

[Archive](#) >



Solid and RDF without the Complexity

For Raw Rdf

For Solid+React

In LDO

In RDF/JS

```
person.age = 23;  
person.name.add("John");
```

```
dataset.deleteMatches(  
  namedNode("http://example.com/Person1"),
```


Asocial networks

Asocial networks

in front of the screen, online

Asocial networks

in front of the screen, online
alone

Asocial networks

in front of the screen, online
alone

producing, consuming, and sharing content

Asocial networks

in front of the screen, online
alone

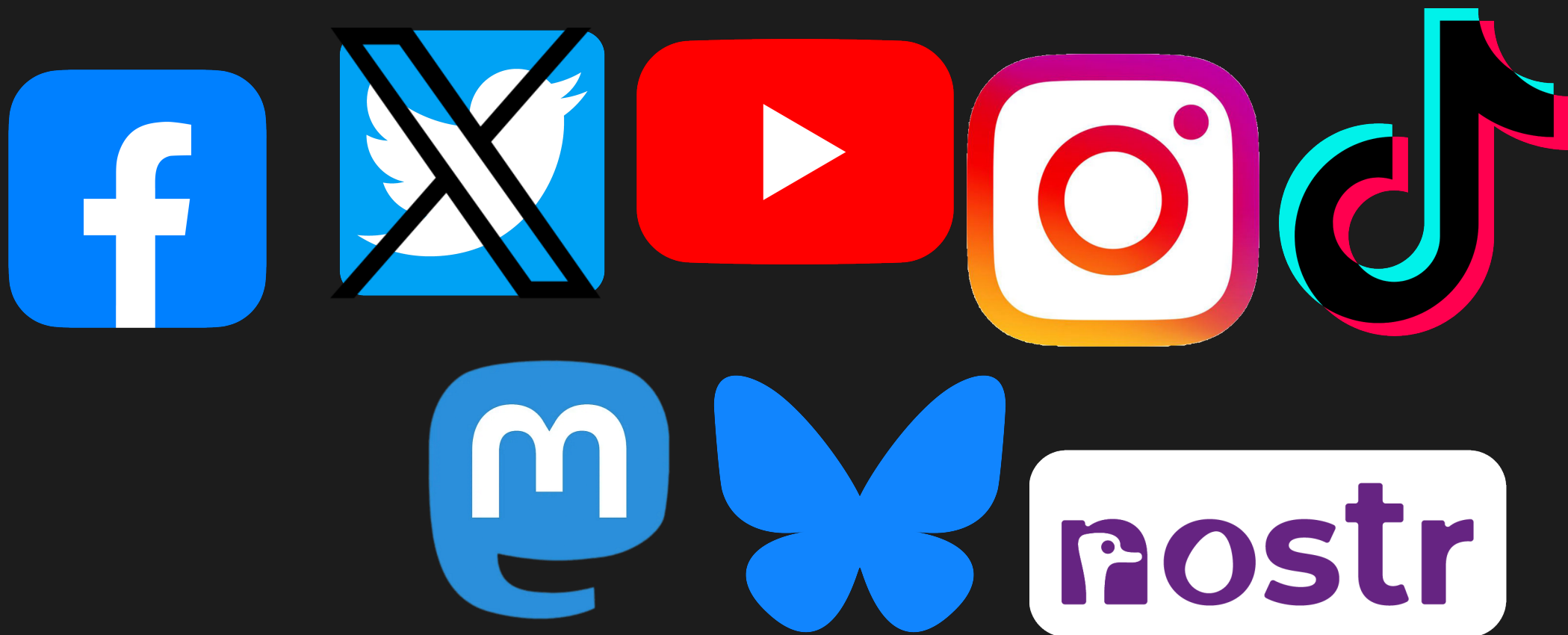
producing, consuming, and sharing content



Asocial networks

in front of the screen, online
alone

producing, consuming, and sharing content



Real Social Networks

Real Social Networks

in physical world

Real Social Networks

in physical world
with other people

Real Social Networks

in physical world
with other people

collaborating, doing, sharing resources

Real Social Networks

in physical world
with other people
collaborating, doing, sharing resources
community

Real Social Networks

in physical world
with other people
collaborating, doing, sharing resources
community
slow

Real Social Networks

in physical world

with other people

collaborating, doing, sharing resources

community

slow

quality over quantity

Showing 1 to 100 out of 129

meetup.com

MAY 10 (



pumpipumpe.ch

Dieser Briefkasten ist per Messaging Funktion erreichbar. Um in Kontakt zu treten registriere dich [hier](#). Alternativ kannst du auch einfach vorbeigehen und klingeln.



inventaire



inventaire.io

Keep an inventory of your books

and of what can be done with them: "this book I can give, this book I can lend, this one is for sale..."



Share it with your friends and communities

Always dreamed of a collaborative library for your coworking / association / book club? Here it is!



Remember the books you lend or borrow

The books you lend might actually come back

Sign up

Login



**Start a group,
become a community**

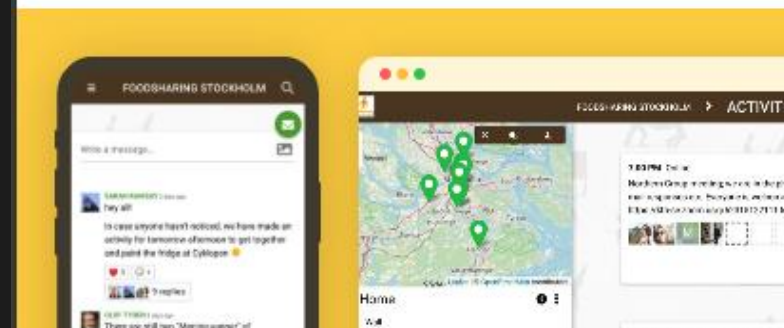
SIGN UP!

BROWSE EXISTING GROUPS

karrot.world

Karrot is a free and open-source tool for grassroots initiatives and groups of people that want to coordinate face-to-face activities on a local, autonomous and voluntary basis.

It is designed in ways to enable community-building and support a more transparent, democratic and participatory governance of your group.



we3



**The smart way
adults make
friends**

We3 privately matches you into groups of 3 – with people you just click with.

Get Started

It's FREE • Not for Dating

Over 10,000 5★ ratings

we3app.com





Welcome to my place

*Foster living together based on
welcome, trust and mutual aid*

SIGNUP

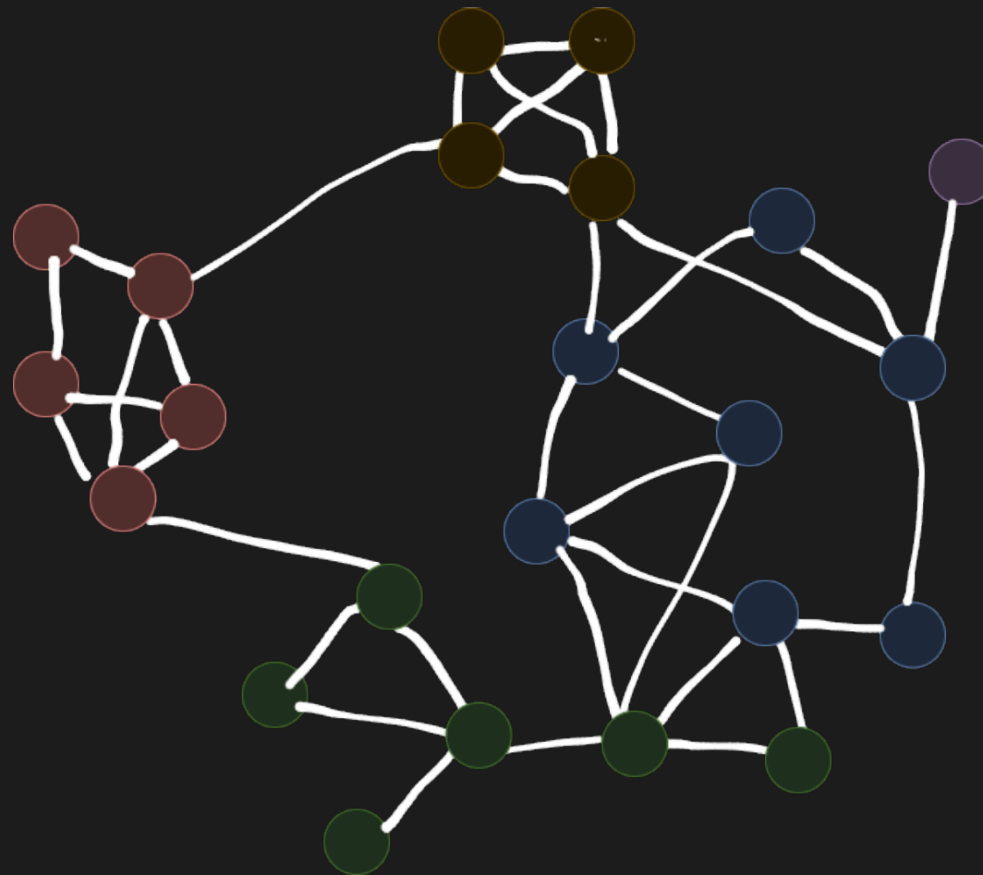
SIGN IN

Solid and Social Apps

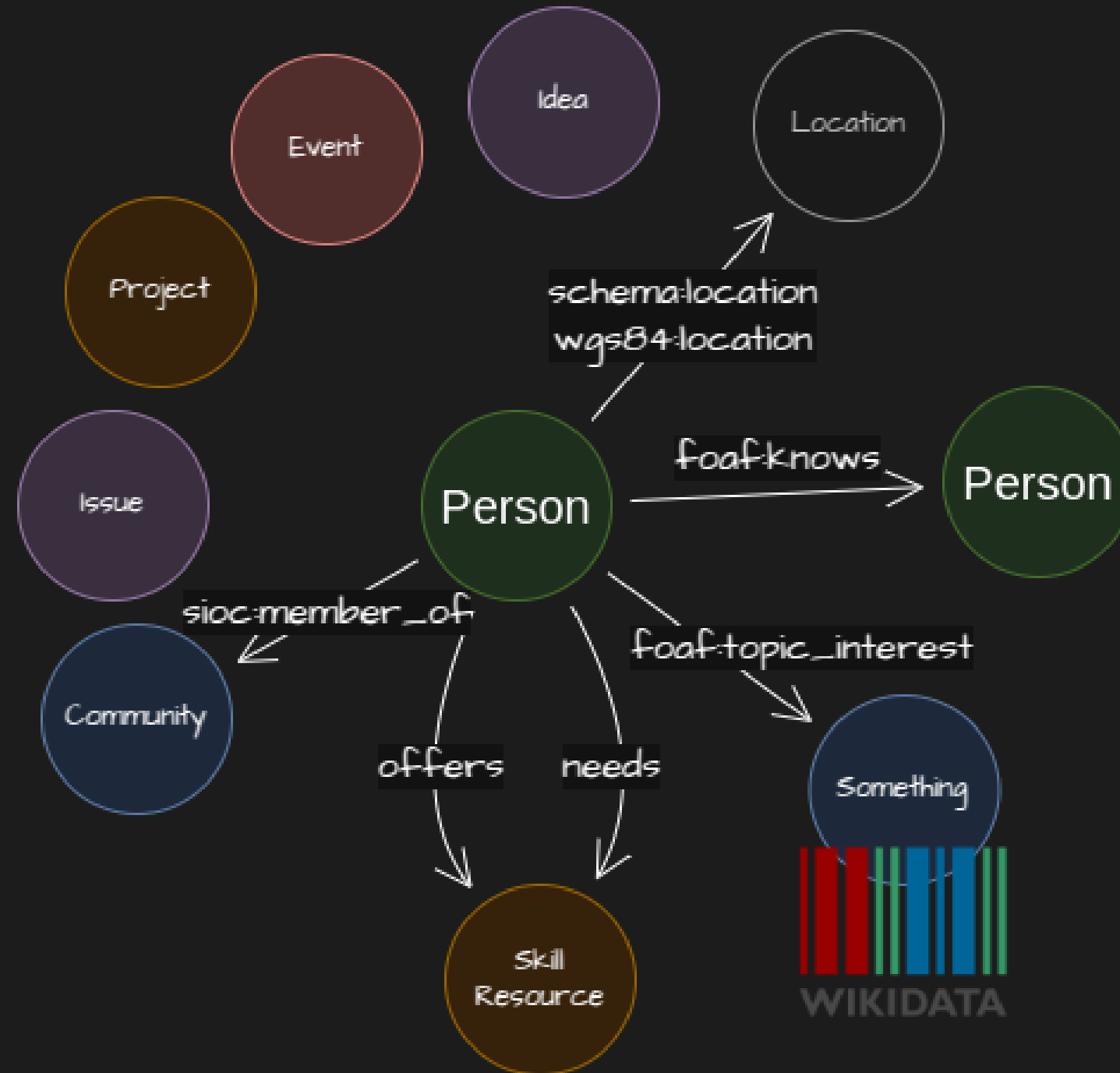
Great for the second type!

Solid and Social Apps

Cumulative Network Effect



Dimensions of Connection



Networks we can build

Local meetups

play --- read --- go outside --- learn --- together

Networks we can build

Local meetups

Collaboration on ideas, projects

Networks we can build

Local meetups

Collaboration on ideas, projects

Environmental and social issues

Networks we can build

Local meetups

Collaboration on ideas, projects

Environmental and social issues

New friends

Networks we can build

Local meetups

Collaboration on ideas, projects

Environmental and social issues

New friends

Events, protests, celebrations

Networks we can build

Local meetups

Collaboration on ideas, projects

Environmental and social issues

New friends

Events, protests, celebrations

Mutual aid and resource sharing

Networks we can build

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Events, protests, celebrations.

Mutual aid and resource sharing

Private maps

Safety

References

Blocking, Banning

Web of Trust

Safety

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Web of Trust

Safety

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Blocking, Banning

Web of Trust

Key Takeaways

Cumulative Network Effect may solve the chicken and egg problem of niche social networks.

Let's prioritize social Solid more!

Thank you!

<https://github.com/solidcouch>

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