

How to create a decentralized digital language

**Prerequisite of decentralized web is the ability
to curate decentralized digital language**

In this talk I present what I mean by that statement and I demonstrate that it is possible to do it using a simple web of trust which is functional and uses nostr. The WoT I will show you is a very simple, very basic one. More complex WoT will be built for more complex purposes. This is a PoC.

What is a decentralized language?

One without stewards.

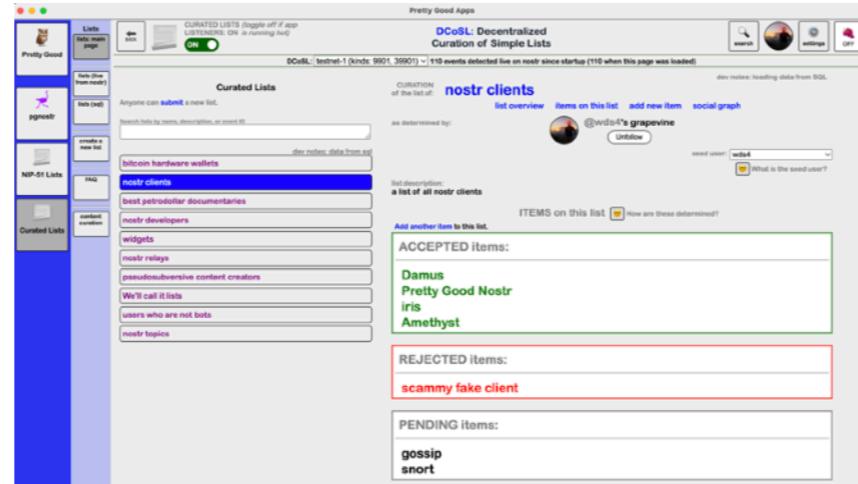
Stewards

What is a steward?

Languages: Two Realms

	biological realm	digital realm
languages	spoken and written word	computer languages, schemas, ontologies. etc
stewards?	NONE	MANY

Proof of Concept



The screenshot shows a web application window titled "Pretty Good Apps" with the sub-page "CURATED LISTS (toggle off if app LISTENERS_ON is running bad)". The main content area is titled "nostr clients" and displays a list of items. The list includes:

- best petrodollar documentaries
- nostr developers
- widgets
- nostr relays
- pseudocurious content creators
- We'll call it lists
- users who are not bots
- nostr topics

Below this list, there are three sections: "ACCEPTED items" (containing Damus, Pretty Good Nostr, Iris, and Amethyst), "REJECTED items" (containing "scammy fake client"), and "PENDING items" (containing gossip and snort). On the right side of the interface, there are buttons for "list overview", "items on this list", "add new item", and "social graph". A sidebar on the left lists "Pretty Good", "pgnstr", "NIP-51 Lists", and "Curated Lists".

Proof of Concept

Curated Lists

Anyone can [submit](#) a new list.

Search lists by name, description, or event ID

dev notes: data from sql

- bitcoin hardware wallets
- nostr clients**
- best petrodollar documentaries
- nostr developers
- widgets
- nostr relays
- pseudosubversive content creators
- We'll call it lists
- users who are not bots
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CURATION of the list of: **nostr clients**

list overview items on this list add new item social graph

as determined by:  [@wds4's grapevine](#) [Unfollow](#)

seed user: [wds4](#) [What is the seed user?](#)

list description: a list of all nostr clients

ITEMS on this list [How are these determined?](#)

Add another item to this list.

ACCEPTED Items:

- Demus
- Pray Good Nostr
- iris
- Amethyst

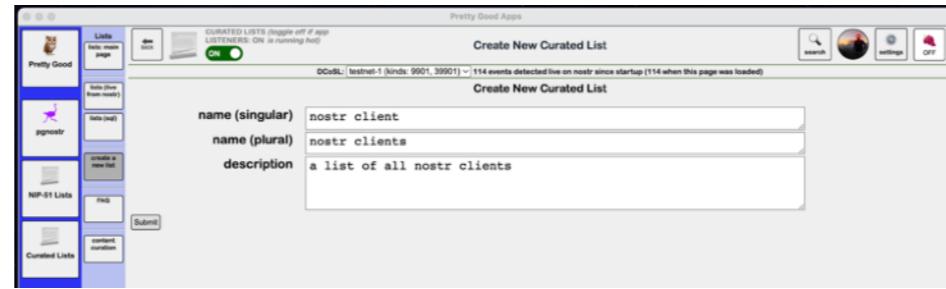
REJECTED Items:

- scammy fake client

PENDING Items:

- gossip
- snort

Proof of Concept



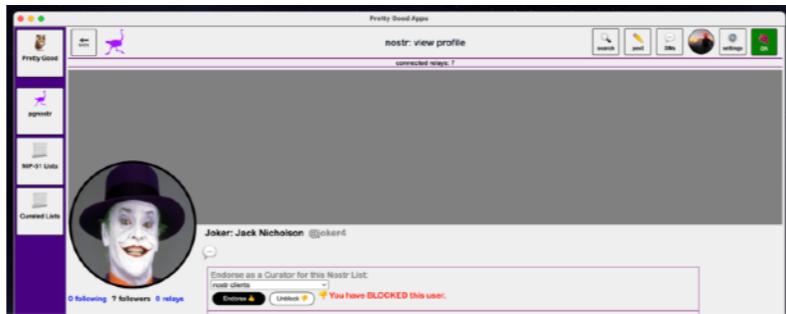
Proof of Concept



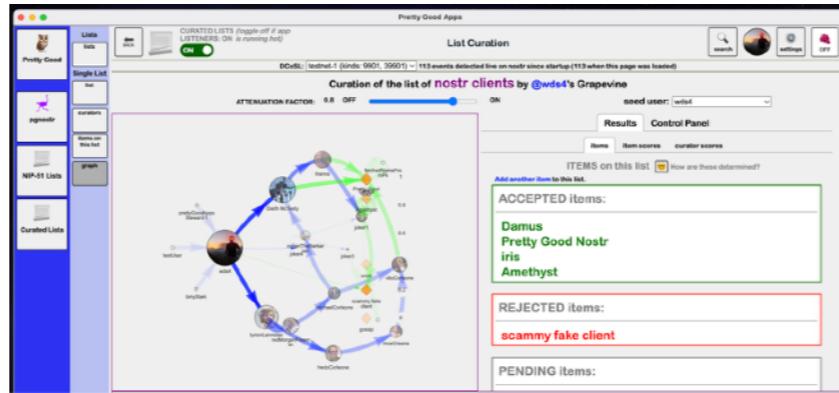
Proof of Concept



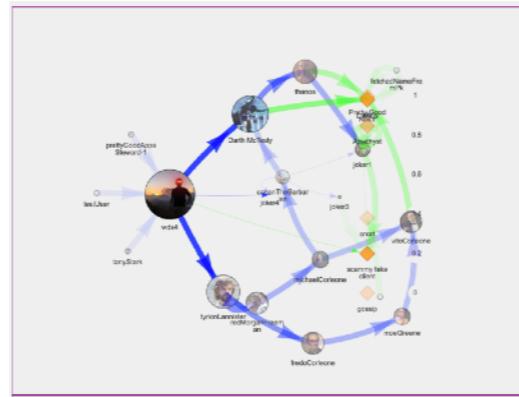
Proof of Concept



Proof of Concept



Proof of Concept



Results Control Panel

Items Item scores curator scores

ITEMS on this list How are these determined?
Add another item to this list.

ACCEPTED items:

Damus
Pretty Good Nostr
iris
Amethyst

REJECTED items:

scammy fake client

PENDING items:

Proof of Concept

Results		
Items	Item scores	curator scores
Name	Average ▾	Input
> Pretty Good Nostr	0.9952	0.3474
> iris	0.9845	0.6718
> Damus	0.9793	0.4672
> Amethyst	0.8477	0.5235
> snort	0.3777	0.2000
> scammy fake client	0.1994	1.323
> gossip	0.000	0.2000

Results		
Items	Item scores	curator scores
Name	Average ▾	Input
> wds4	1	10000
> redMorganFreeman	1.000	0.4289
> fredoCorleone	1.000	0.4289
> tyrionLannister	1.000	0.8000
> thanos	0.9985	0.4693
> Darth McTesty	0.9903	0.9731
> vitoCorleone	0.9682	0.4293
> michaelCorleone	0.7878	0.4000

Proof of Concept

Results **Control Panel**

There are several adjustable parameters that influence the calculation of scores, including the attenuation factor (above), the seed user (above), and others in the tabs below.

Users Items Display **sybil mitigation**

An 'unvetted' user is one who has received no ratings by anyone in your Grapevine (or at least no one with any influence). For unvetted users, a default score is used. Adjust this default score (left) and the amount of weight you want to give to this score (right). Once a user has received sufficient attention by your Grapevine, the default score will be ignored completely.

default avg score: 0.25 confidence: 0.4

Results **Control Panel**

There are several adjustable parameters that influence the calculation of scores, including the attenuation factor (above), the seed user (above), and others in the tabs below.

Users Items Display **sybil mitigation**

Adjust the default score for an unvetted instance of this curated list. This default score functions essentially the same way as it does for an unvetted user.

default avg score: 0 confidence: 0.2

Proof of Concept

Proof of Concept

Proof of Concept

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