

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.

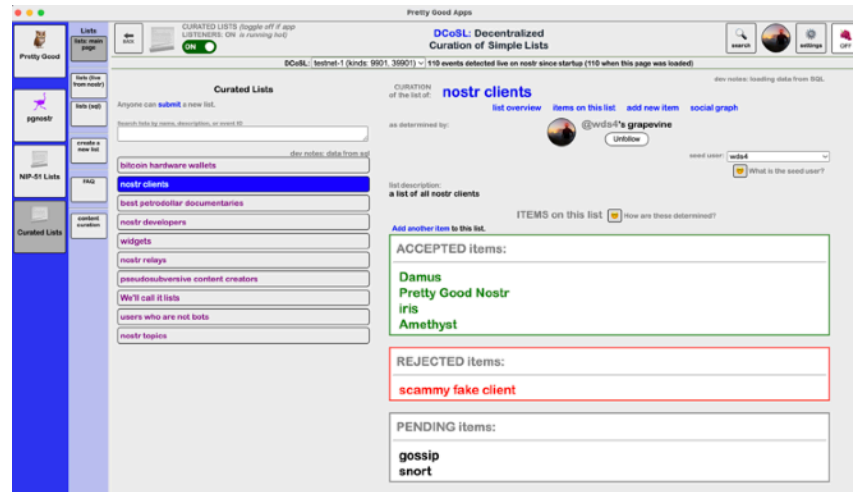
Stewards

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



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

nostr topics

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:

Damus

Pretty Good Nostr

Iris

Amethyst

REJECTED items:

scummy fake client

PENDING items:

gossip

snort

Proof of Concept

The screenshot shows a web application titled "Pretty Good Apps". The main heading is "Create New Curated List". Below this, there is a status bar indicating "DCoSL: testnet-1 (kind: 9901, 39901) ~ 114 events detected live on nostr since startup (114 when this page was loaded)". The form contains three input fields: "name (singular)" with the value "nostr client", "name (plural)" with the value "nostr clients", and "description" with the value "a list of all nostr clients". A "Submit" button is located at the bottom right of the form. On the left side, there is a sidebar with a "Pretty Good" logo and a "Curated List" button. At the top right, there are icons for search, settings, and a toggle switch labeled "OFF".

Curated Lists (toggle off if app LISTENERS: ON is running Aut)

DCoSL: testnet-1 (kind: 9901, 39901) ~ 114 events detected live on nostr since startup (114 when this page was loaded)

Create New Curated List

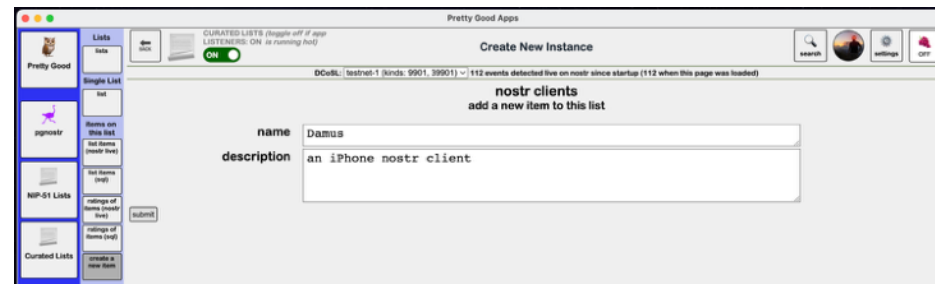
name (singular) nostr client

name (plural) nostr clients

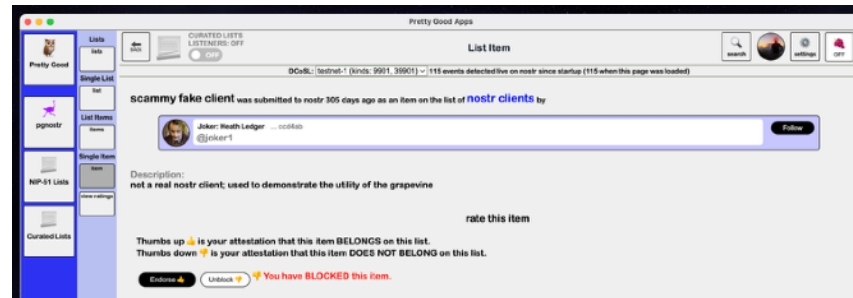
description a list of all nostr clients

Submit

Proof of Concept



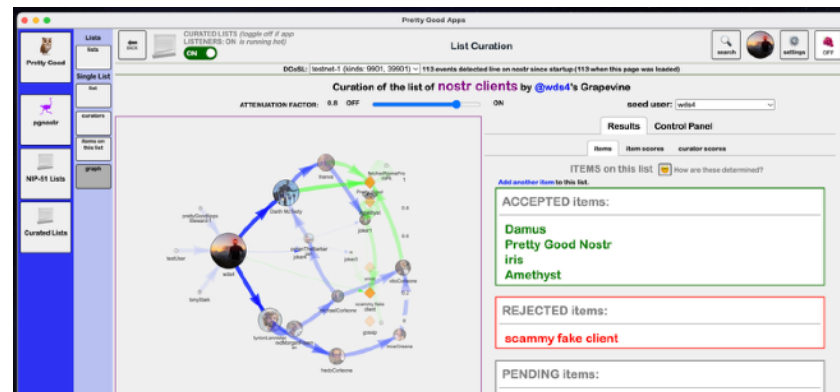
Proof of Concept



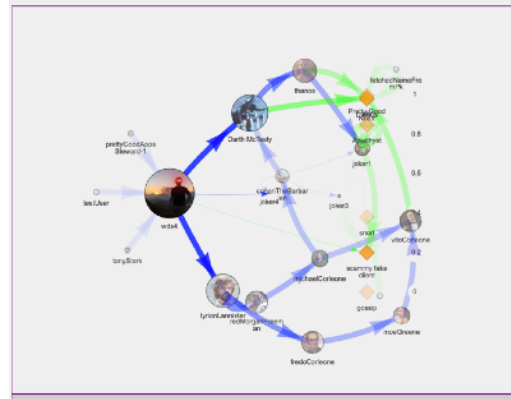
Proof of Concept



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

ResultsControl Panel		
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
Rows per page: 10 1,7 of 7		

ResultsControl Panel		
Items	Item scores	curator scores
Name	Average ▼	Input
> wrds4	1	10000
> redMorganFreeman	1.000	0.4289
> fredoCorleone	1.000	0.4289
> tyrianLannister	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

Proof of Concept