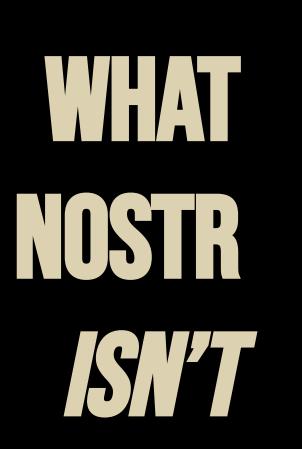


Notes and Other Stuff Transmitted by Relays

@anilsaidso





Jameson Lopp 🤡 @lopp

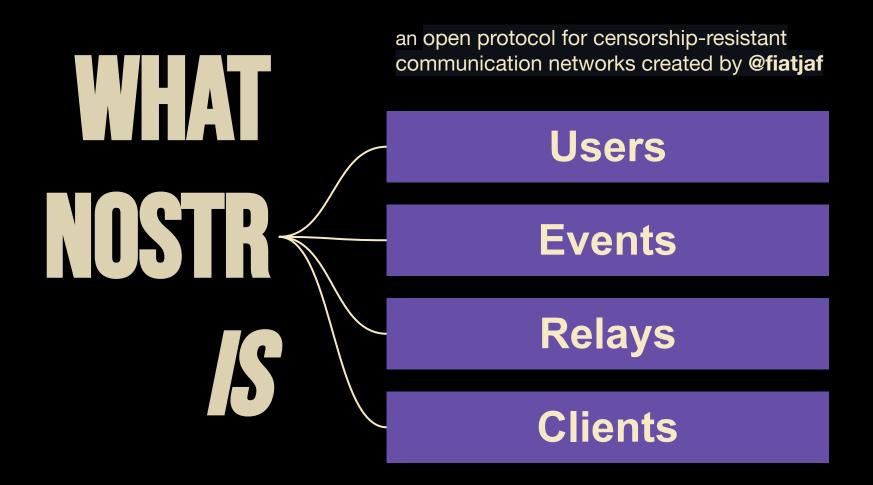


Nostr is not:

- * a blockchain
- * a social network
- * a consensus protocol

It's simply a protocol for passing cryptographically signed messages around a peer to peer network. It's a data layer upon which other apps can be built.

6 Jan 2023 • 15:00





Like the bitcoin protocol, nostr is **permissionless**.

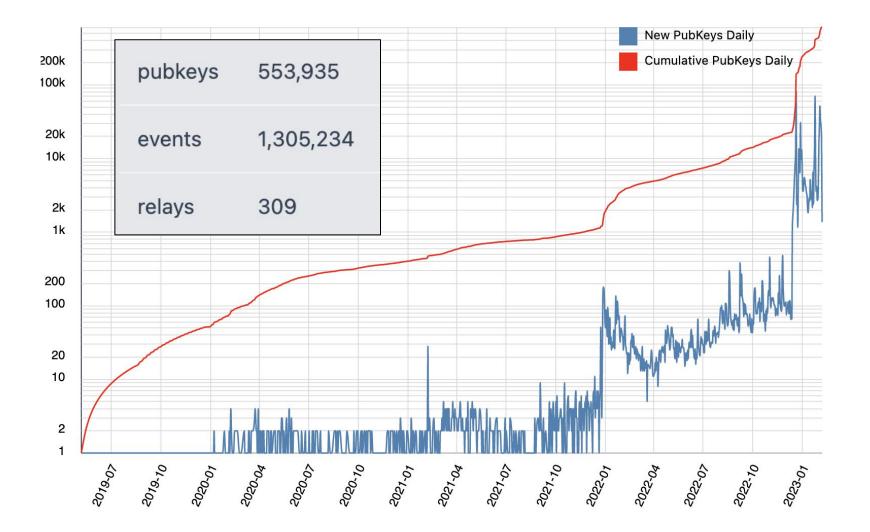
To use the protocol a user generates a key pair: a **public key** and a **private key**



Public Key

Like a username, it's how others can find you.





NOSTR PERMANENTLY ALTERS INCENTIVES



Stu 🕸 1mo Replying to 1m6azw8j:2s7z44g7, NVK & 1 other

e.g. Imagine a world where there are 5 social media apps and each app has 10m unique daily active users.

If you built that same ecosystem on nostr, then each app would have 50m daily active users.

If someone built a 6th social media app on nostr, it would have 50m daily active users at launch. Why would anyone develop legacy web apps ever again? nostr is just a much more connected way to develop web apps. The point being that on nostr there is a single massive user universe and and client merely plugs into that existing userverse (think I coined a term there?).

The app developer surrenders proprietary control of user data, but gains instant access to a huge user base.



(simple text-based objects).

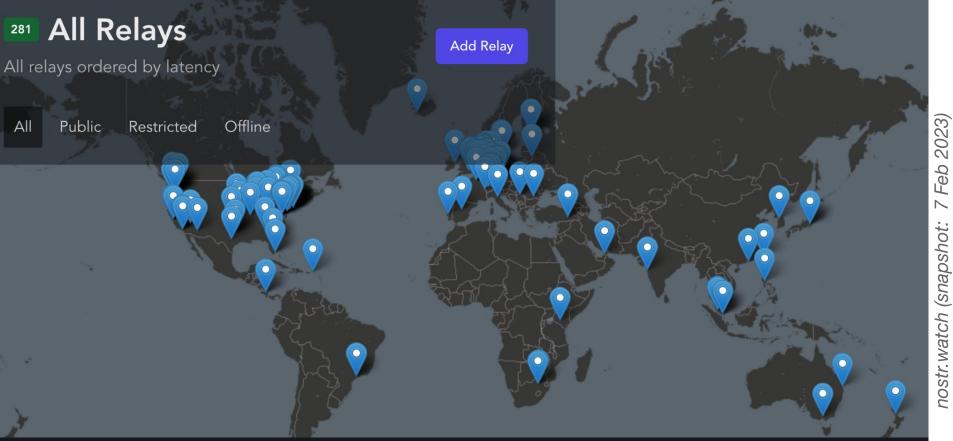
Nostr is a protocol for packaging 'events'

When you post content, it's not broadcast to all users nor sent directly to a particular recipient (P2P).

Instead, it is sent to a **relay/s**, readable by users also connected to that common relay.

ANATOMY OF AN EVENT

Event's unique identifier	"id": "c0114c43",			
User	"pubkey": "dec14fb3",			
Timestamp	"created_at": 1671551112,			
Type of event (e.g. plain text note, E2E msg, etc.)	"kind": 1,			
Tags (e.g. specify a post as a reply to event x)	"tags": [],			
Message	"content": "good morning!",			
Proof that this came	"sig": "eldc5f1"			
from the user (signed with the user's private key)	}			



Public Relays 134

Restricted Relays

51

Offline Relays 96

nostr.watch (snapshot:

RUNNING A RELAY

Plug & Play Services

Private Relay			Rela	ny URL: ws://umbrel:484	
Connect your Nostr client	Total actions		Latest actions		
onnect your Nostr clients to your private			Channel Mess	age 17:57 Feb 04, 2023	
lay to ensure all your Nostr activity, cluding your posts, are backed up and ccessible even if you are censored by ther public relays.	/0			n we just all agree that pineapple esn't belong on pizza and call it a y	
dd your Relay URL to your Nostr clients, te Damus, Astral, and Amethyst. In	Reactions		Encrypted DM		
Damus, you can add it from Settings >	Encrypted DMs		La Reaction		
lays > Add Relay.	Channel Messages		👳 Following Upd	ate 17:57 Feb 04, 2023	
nsider installing <u>Tailscale</u> on your Umbrel and ur devices to seamlessly connect your Nostr	Posts		C Repost		
clients to your relay even when you are not on your local network. Enable Tailscale's <u>MagicDNS</u> and use <u>ws://umbrel:4848</u> as your Relay.	Reposts		💭 Post		
	Following Updates	5	It's the one di	ffs the one day i sleep in and btc prints a 10% candle	

Implementations

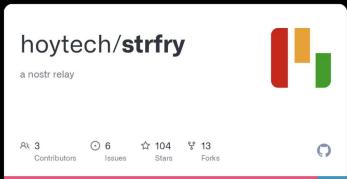


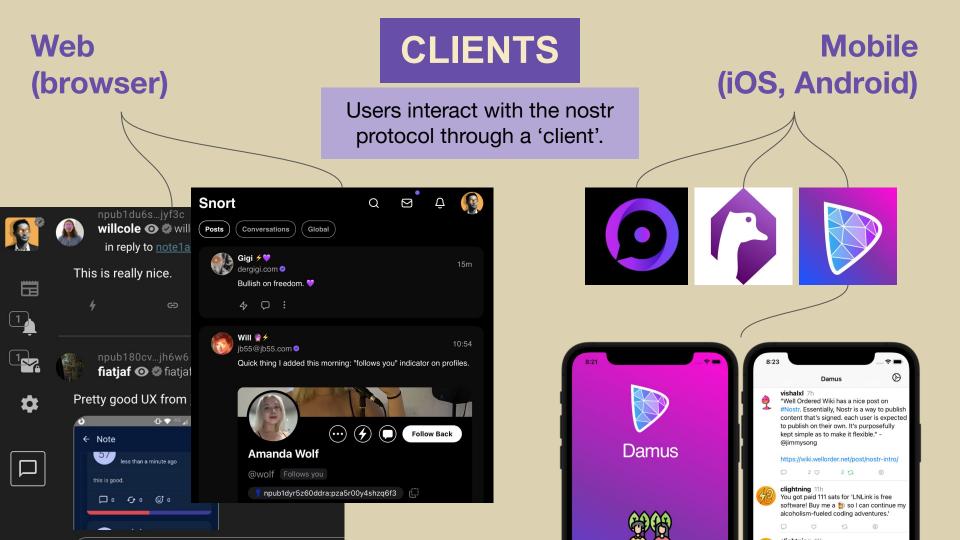
Pierre Rochard 🤣 @BitcoinPierre

strfry: a new #nostr relay written in C++ by Doug Hoyte (hoytech.com/about)

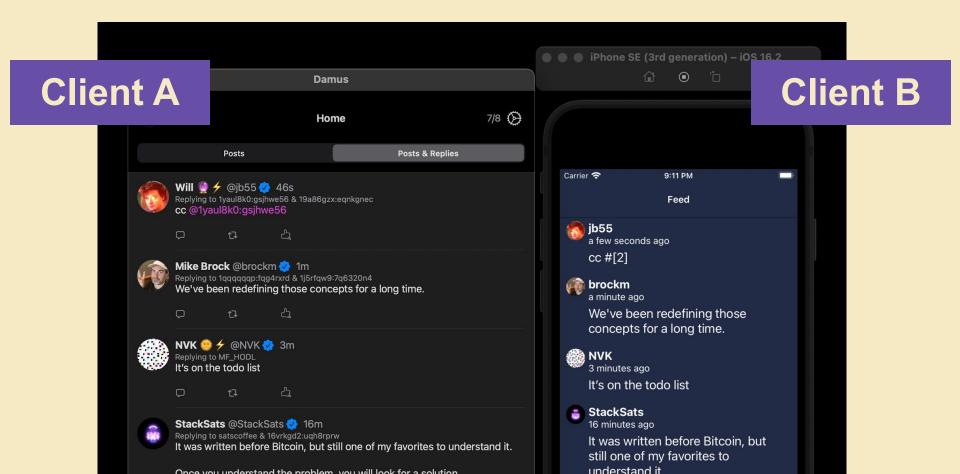
This is going to be *very* performant on bare metal servers! Huge win for open source.

CC @fiatjaf @jb55





You can use **any** client you wish or even build your own.

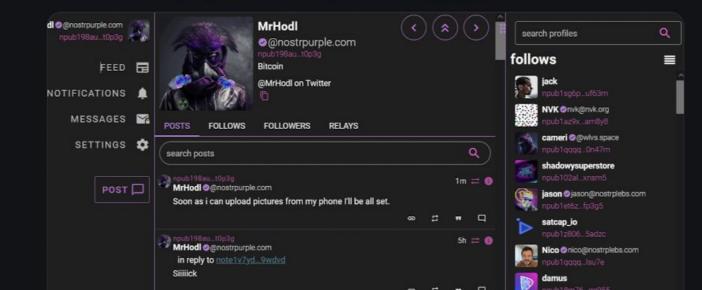


Permissionless innovation benefits from the collective contributions of many (hive mind), far exceeding what a single company could achieve.



Mr.HodI $\neq \bigcirc$ I B.R.E.A.M. \bigcirc I @MrHodl \cdot 1d Tell me this doesn't look pretty.

It's barley been a month since I've joined and it has improved 100x in that time. Everyday it seems to get better. **#nostr**



Nostr is an open protocol and **interoperable** with other open protocols. Nostr 🤝 Lightning Network



NTEROPERABILITY



jb55@jb55.com 🕑

NIP-57: Lightning Zaps

https://github.com/nostr-protocol/nips/pull/224



Kieran and 6 others zapped



pick a client

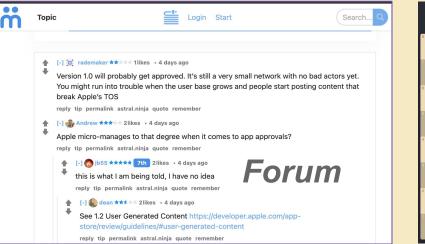


connect to relays



create content & sign w/ priv key

"id": "c011...4c43",
"pubkey": "dec1...4fb3",
"created_at": 1671551112,
"kind": 1,
"tags": [],
"content": "good menning";
"si
FVENT
}



<u>nosbin</u>

Welcome to nosbin

The decentralized pasting platform, built on <u>nostr</u>

Generated Pubkey: none

Generated Private Key: none

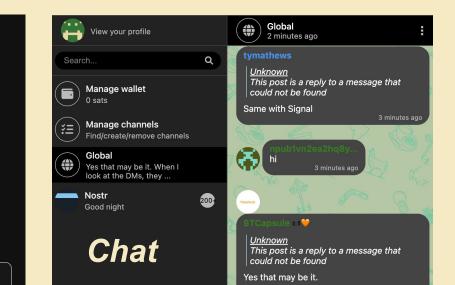
Current Relay: wss://nostr.chaker.net





Write your post...











npub14hn6p34vegy4ckeklz8jq93mendym9asw8z2ej87x2wuwf8werasc6a32x