

test

July 4, 2025

1 Utils

2 Database

/tmp/ipykernel_4177988/1400664167.py:8: UserWarning: pandas only supports SQLAlchemy connectable (engine/connection) or database string URI or sqlite3 DBAPI2 connection. Other DBAPI2 objects are not tested. Please consider using SQLAlchemy.

```
df = pd.read_sql(query, bigbrotr.conn, params=(now,))
```

```
                                relay_url
0                                wss://nostr.bitcoiner.social
1                                wss://yabu.me
2                                wss://profiles.nos.social
3                                wss://nostr-dev.wellorder.net
4                                wss://a.nos.lol
5                                wss://prod.mosavi.io/v1/ws
6                                wss://relay.nos.social
7                                wss://d11n.net
8                                wss://194.195.222.47:4848
9                                wss://relay.wellorder.net
10                               wss://nostr.mtrj.cz
11                               wss://nas.yunierrodriguez.com:4848
12                               wss://kitchen.zap.cooking
13                               wss://njump.me
14 wss://oxtrdevav64z64yb7x6rjg4ntzqjhedm5b5zjqul...
15                               wss://relay.nostr.band
16                               wss://nostr-verified.wellorder.net
17                               wss://node-ior.webhop.me:6067
18                               wss://dave.st.germa.in/nostr
19                               wss://relay.freeplace.nl
20                               wss://relay.snort.social
21                               wss://no.str.cr
22                               wss://ithurtswhenip.ee
23                               wss://nostr.cr0.bar
24                               wss://directory.yabu.me
25                               wss://nostr-01.yakihonne.com
26                               wss://nostr.mom
```

```

27          wss://nostrue.com
28          wss://realy.nos.social
29          wss://relay.satlantis.io
30          wss://user.kindpag.es
31          wss://slick.mjex.me
32          wss://new.nos.social
33          wss://articles.layer3.news
34          wss://nostr.liberty.fans
35          wss://relay-testnet.k8s.layer3.news
36          wss://relay.chakany.systems
37          wss://nostr.roundrockbitcoiners.com
38          wss://relay.bitcoinartclock.com
39          wss://relay.dwadziesciajeden.pl
40          wss://relay.orangepill.ovh
41          wss://relay.nostromo.social
42          wss://nostr.data.haus
43          wss://relay.mostr.pub
44          wss://nos.lol
45          wss://nostr.bar/relay
46          wss://primus.nostr1.com
47          wss://nostr-pub.wellorder.net

```

Analisi dello spazio per tabella:

TABELLA: events

Numero righe: 168630588

Colonna	Avg (bytes)	Totale (GB)
id	65.00	10.21
pubkey	65.00	10.21
created_at	8.00	1.26
kind	4.00	0.63
tags	286.81	45.04
content	339.62	53.34
sig	132.00	20.73

Totale dati stimati: 141.41 GB

Indici:

Indice	Size (GB)
events_pkey	19.66
idx_events_pubkey	3.56
idx_events_created_at	3.04
idx_events_kind	1.42
idx_events_kind_created_at	5.39

Totale indici: 33.08 GB

Totale complessivo stimato: 174.49 GB

TABELLA: relays

Numero righe: 8865

Colonna	Avg (bytes)	Totale (GB)
url	30.61	0.00
network	8.48	0.00
inserted_at	8.00	0.00

Totale dati stimati: 0.00 GB

Indici:

Indice	Size (GB)
relays_pkey	0.00

Totale indici: 0.00 GB
Totale complessivo stimato: 0.00 GB

TABELLA: events_relays

Numero righe: 767956881

Colonna	Avg (bytes)	Totale (GB)
event_id	65.00	46.49
relay_url	25.12	17.96
seen_at	8.00	5.72

Totale dati stimati: 70.17 GB

Indici:

Indice	Size (GB)
events_relays_pkey	114.77
idx_events_relays_event_id	26.32
idx_events_relays_relay_url	4.84
idx_events_relays_seen_at	7.58

Totale indici: 153.52 GB
Totale complessivo stimato: 223.69 GB

TABELLA: relay_metadata

Numero righe: 54591

Colonna	Avg (bytes)	Totale (GB)
relay_url	34.31	0.00
generated_at	8.00	0.00
connection_success	1.00	0.00
nip11_success	1.00	0.00
openable	1.00	0.00
readable	1.00	0.00
writable	1.00	0.00
rtt_open	4.00	0.00
rtt_read	4.00	0.00
rtt_write	4.00	0.00
name	21.01	0.00
description	46.45	0.00
banner	1.54	0.00

icon	52.59	0.00
pubkey	61.39	0.00
contact	21.30	0.00
supported_nips	10.89	0.00
software	42.00	0.00
version	7.34	0.00
privacy_policy	29.82	0.00
terms_of_service	25.00	0.00
limitation	118.25	0.01
extra_fields	54.35	0.00

Totale dati stimati: 0.03 GB

Indici:

Indice	Size (GB)
relay_metadata_pkey	0.00
idx_relay_metadata_relay_url	0.00
idx_relay_metadata_generated_at	0.00
idx_relay_metadata_connection_success	0.00
idx_relay_metadata_nip11_success	0.00

Totale indici: 0.01 GB

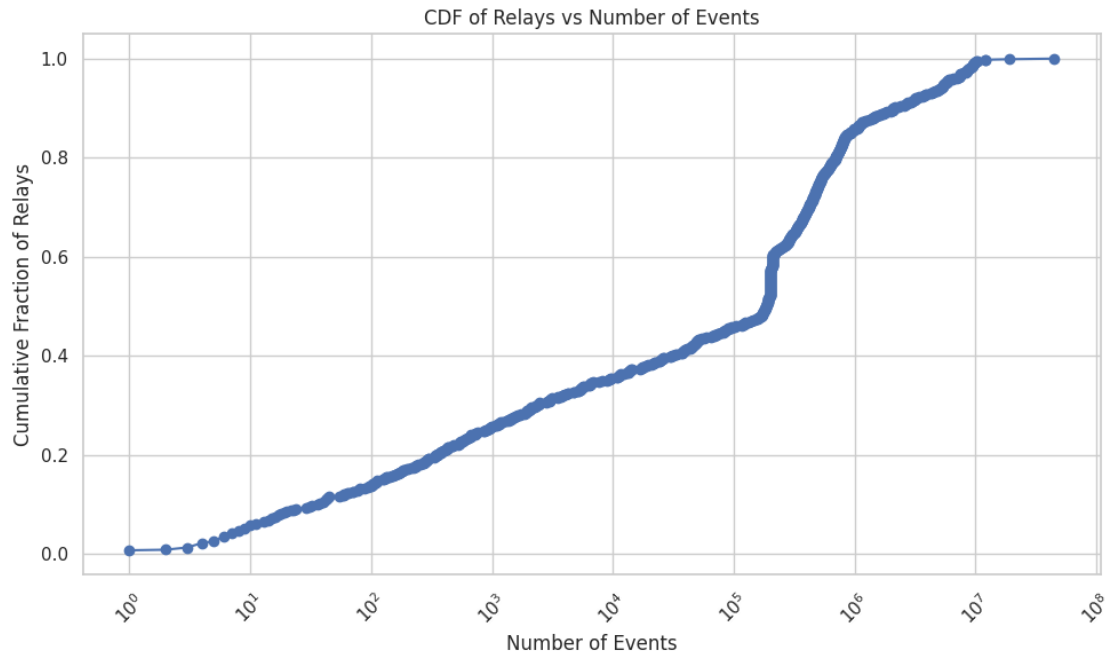
Totale complessivo stimato: 0.03 GB

/tmp/ipykernel_4177988/540501495.py:12: UserWarning: pandas only supports SQLAlchemy connectable (engine/connection) or database string URI or sqlite3 DBAPI2 connection. Other DBAPI2 objects are not tested. Please consider using SQLAlchemy.

```
df = pd.read_sql(query, bigbrotr.conn)
```

	relay_url	event_count
0	wss://nwc.zap.watch	1
1	wss://y5ot37ckvther25mz5mlbgomkr43azjfo7bzhf6x...	1
2	wss://3amnnyetkm6wgd23tjkb3pyees4kkapltmuya5t...	1
3	wss://asikaxym5knuxn7b7qynqdp7y2lvavtjmczd2kis...	1
4	wss://le2ajeaj3yy6y5emqjzmybedc65ehb6sl27leytm...	1
..
874	wss://nostr-01.yakihonne.com	10262997
875	wss://dave.st.germa.in/nostr	12103598
876	wss://nos.lol	12103793
877	wss://a.nos.lol	19150103
878	wss://relay.nostr.band	44635361

[879 rows x 2 columns]

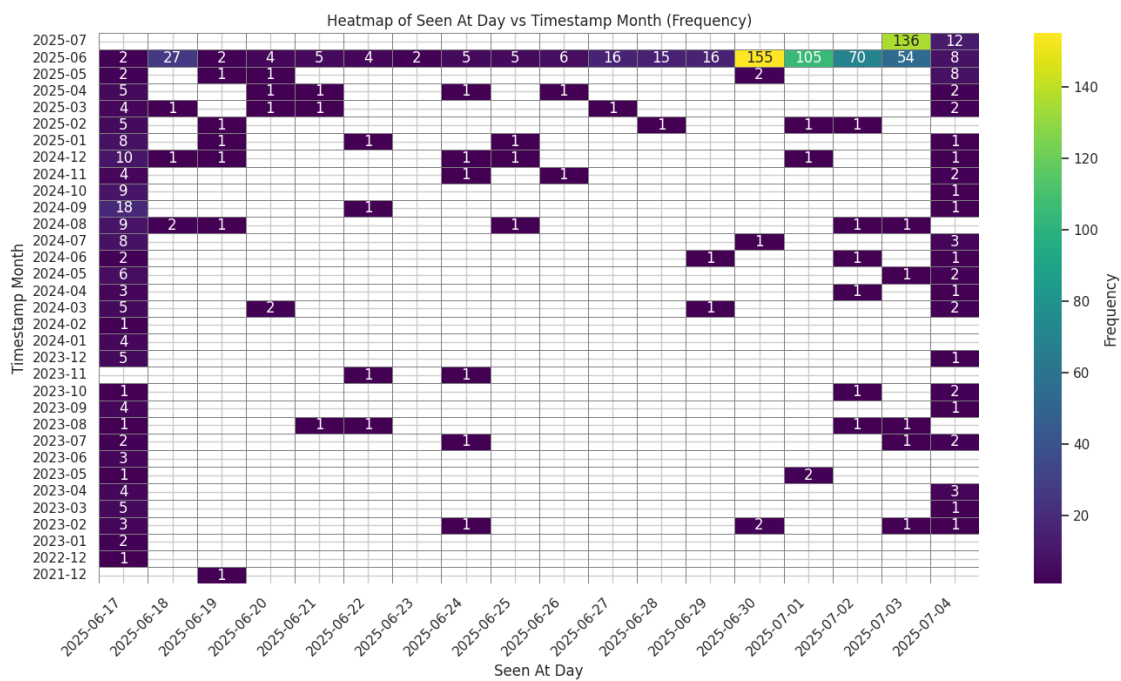
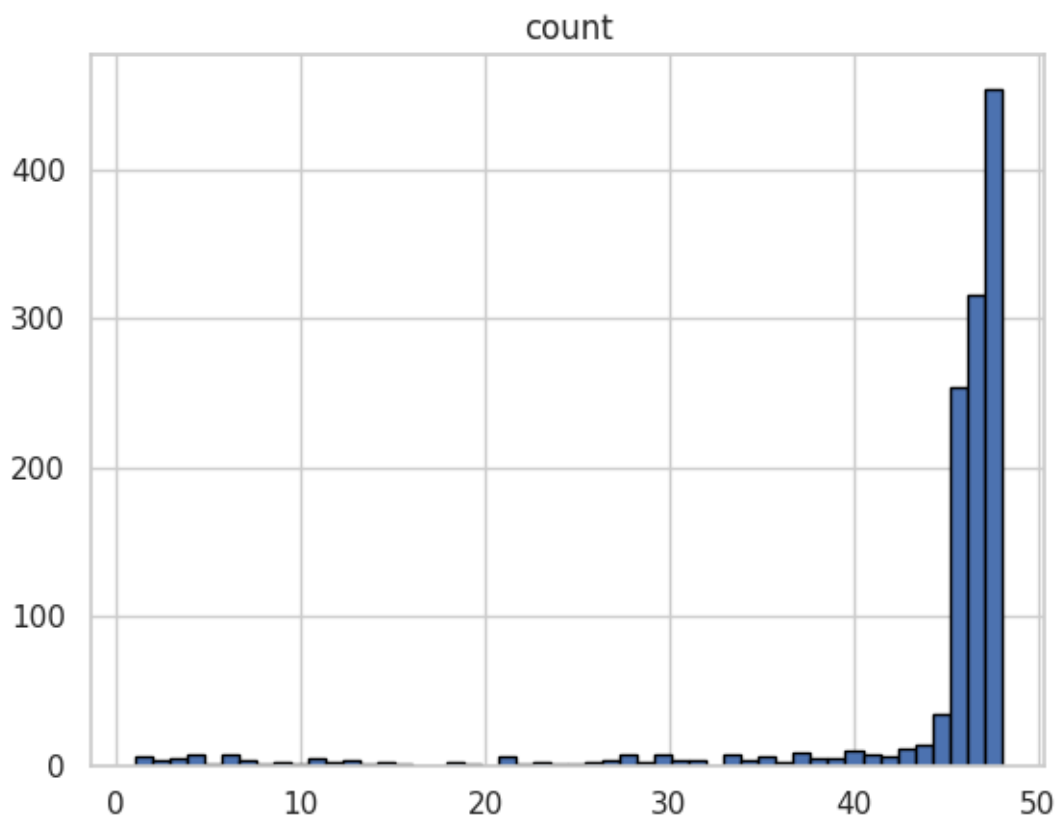


Number of events in the database: 66423419

	relay_url	count
0	wss://orangesync.tech	48
1	wss://filter.nostr.wine	48
2	wss://fl.purplerelay.com	48
3	wss://freelay.sovbit.host	48
4	wss://frens.nostr1.com	48
...
1233	wss://maqjy352gudc766qivysr6dq6h6vjvxjyuvuv3xt...	1
1234	wss://eupo43gj24.execute-api.us-east-1.amazona...	1
1235	wss://test.mleku.dev	1
1236	wss://2u667tb3jvjynlpkzp5cngutfn4hhzgljjw6xnho...	1
1237	wss://nostr1.jpegslangah.com	1

[1238 rows x 2 columns]

array([[<Axes: title={'center': 'count'}>]], dtype=object)



First inserted relay at: 1750150988