

bigbrotr_data_overview

July 3, 2025

1 Bigbrotr Database Data Overview

1.1 Database Schema

'Events'

column_name	data_type
id	character
pubkey	character
created_at	bigint
kind	integer
tags	jsonb
content	text
sig	character

'Events_relays'

column_name	data_type
event_id	character
relay_url	text
seen_at	bigint

'Relay_metadata'

column_name	data_type
relay_url	text
generated_at	bigint
connection_success	boolean
nip11_success	boolean
openable	boolean
readable	boolean
writable	boolean
rtt_open	integer
rtt_read	integer

rtt_write	integer	
name	text	
description	text	
banner	text	
icon	text	
pubkey	text	
contact	text	
supported_nips	jsonb	
software	text	
version	text	
privacy_policy	text	
terms_of_service	text	
limitation	jsonb	
extra_fields	jsonb	

'Relays'

column_name	data_type	
:-----	:-----	
url	text	
network	text	
inserted_at	bigint	

1.2 Row Counts per Table

	table	row_count
0	events_relays	11360328
1	events	6385152
2	relays	8865
3	relay_metadata	775

Analisi dello spazio per tabella:

TABELLA: events

Numero righe: 6403135

Colonna	Avg (bytes)	Totale (GB)
id	65.00	0.39
pubkey	65.00	0.39
created_at	8.00	0.05
kind	4.00	0.02
tags	374.35	2.23
content	151.66	0.90
sig	132.00	0.79

Totale dati stimati: 4.77 GB

Indici:

Indice	Size (GB)
events_pkey	0.74
idx_events_pubkey	0.19
idx_events_created_at	0.16
idx_events_kind	0.06
idx_events_kind_created_at	0.24
Totale indici: 1.41 GB	
Totale complessivo stimato: 6.18 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: 11369482

Colonna	Avg (bytes)	Totale (GB)
event_id	65.00	0.69
relay_url	24.40	0.26
seen_at	8.00	0.08
Totale dati stimati: 1.03 GB		

Indici:

Indice	Size (GB)
events_relays_pkey	1.65
idx_events_relays_event_id	0.82
idx_events_relays_relay_url	0.07
idx_events_relays_seen_at	0.10
Totale indici: 2.65 GB	
Totale complessivo stimato: 3.68 GB	

TABELLA: relay_metadata

Numero righe: 775

Colonna	Avg (bytes)	Totale (GB)
relay_url	28.68	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	18.22	0.00
description	50.57	0.00
banner	1.00	0.00
icon	54.49	0.00
pubkey	60.84	0.00
contact	23.29	0.00
supported_nips	9.00	0.00
software	40.79	0.00
version	7.72	0.00
privacy_policy	31.00	0.00
terms_of_service	25.00	0.00
limitation	146.40	0.00
extra_fields	57.69	0.00
Totale dati stimati: 0.00 GB		

Indici:

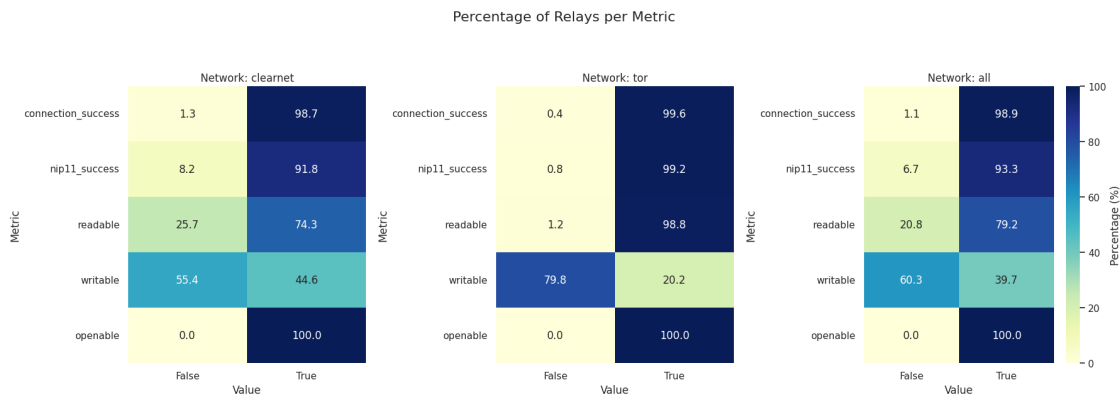
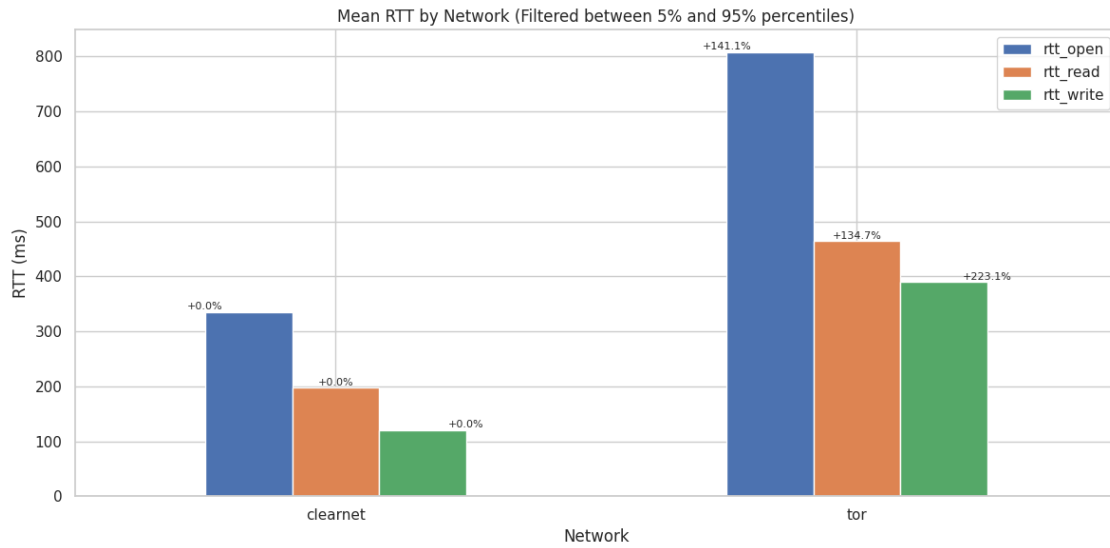
Indice	Size (GB)
relay_metadata_pkey	0.00
idx_relay_metadata_relay_url	0.00
idx_relay_metadata_generated_at	0.00
idx_relay_metadata_connection_success	0.00
idx_relay_metadata_nip11_success	0.00
Totale indici: 0.00 GB	
Totale complessivo stimato: 0.00 GB	

1.3 Relays Overview

Total relays: 8865, with metadata: 1238 (13.97%)

Network distribution for relays with metadata:

- clearnet: 990 (79.97%)
- tor: 248 (20.03%)



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Network: clearnet
connection_success nip11_success readable writable openable
True              True          True    True    True      420
                  True          False   False   True      276
                  False         False   False   True      197
                  False         False   False   True       49
                  True          False   False   True       19
                  True          True    True    True       11
                  False         False   True    True        3
                  False         False   True    True         2
Name: count, dtype: int64

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Network: tor
connection_success nip11_success readable writable openable

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True	True	True	False	True	192
			True	True	50
		False	False	True	3
	False	True	False	True	2
Name: count, dtype: int64					

Network: all

connection_success	nip11_success	readable	writable	openable	
True	True	True	True	True	470
			False	True	468
		False	False	True	200
	False	False	False	True	49
		True	False	True	21
			True	True	11
	True	False	True	True	3
	False	False	True	True	2
Name: count, dtype: int64					

Relay Status Combinations

