

relays__overview

July 13, 2025

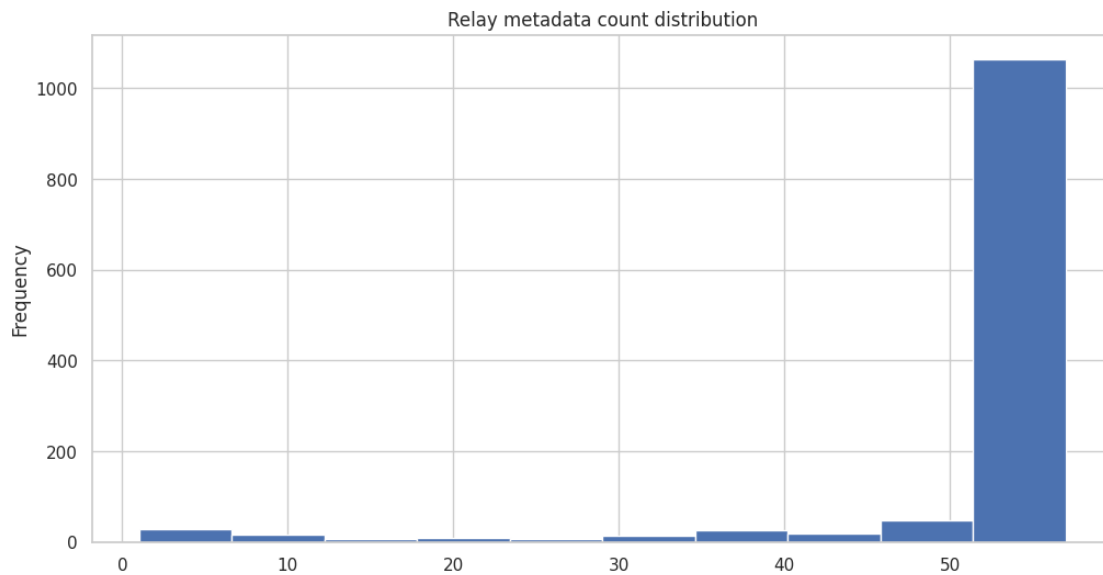
Total relays: 8865, with metadata: 1241 (14.00%)

Network distribution for relays with metadata:

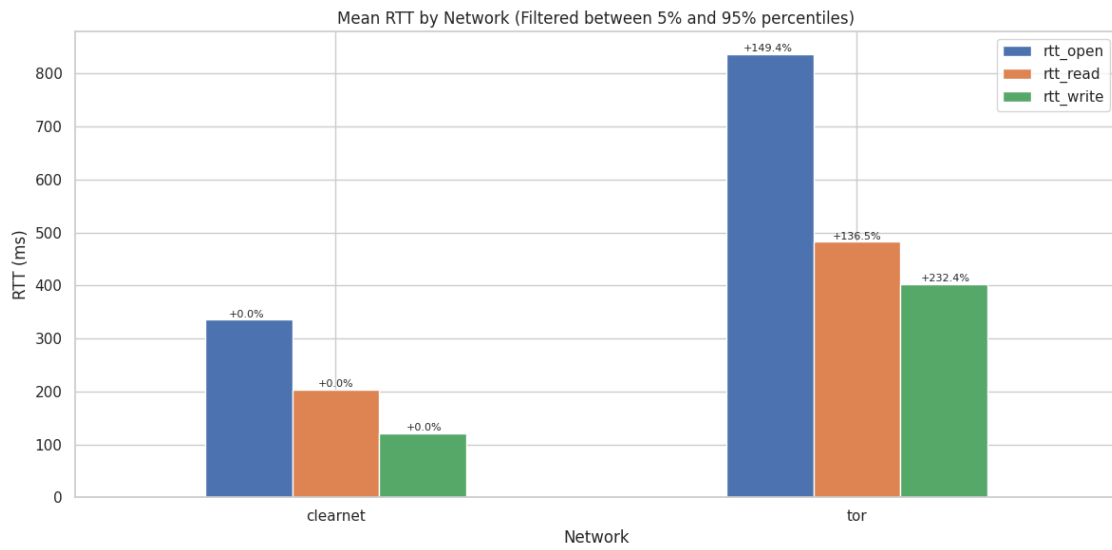
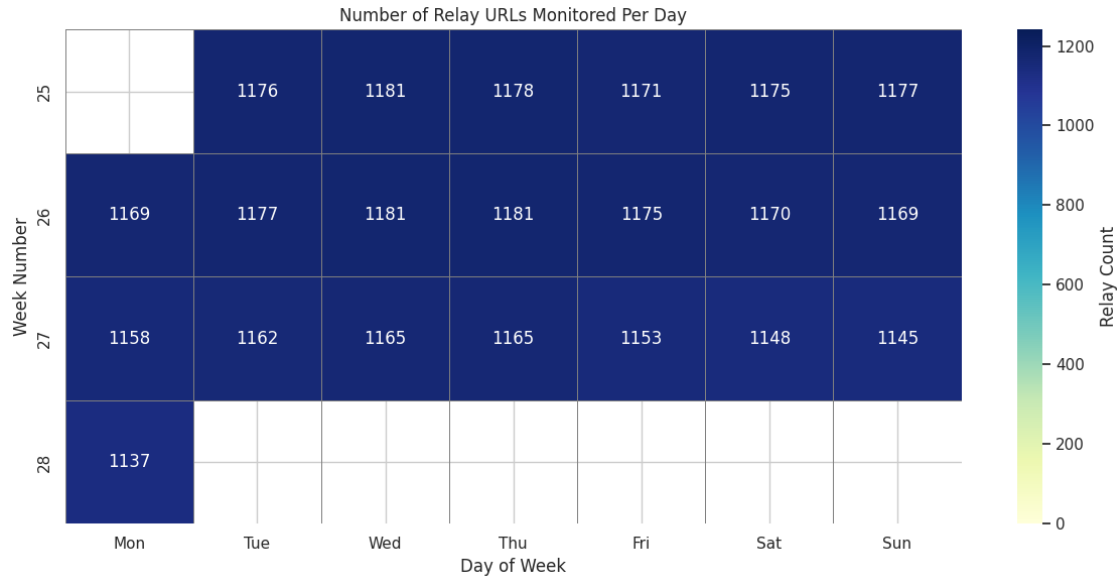
- clearnet: 993 (80.02%)

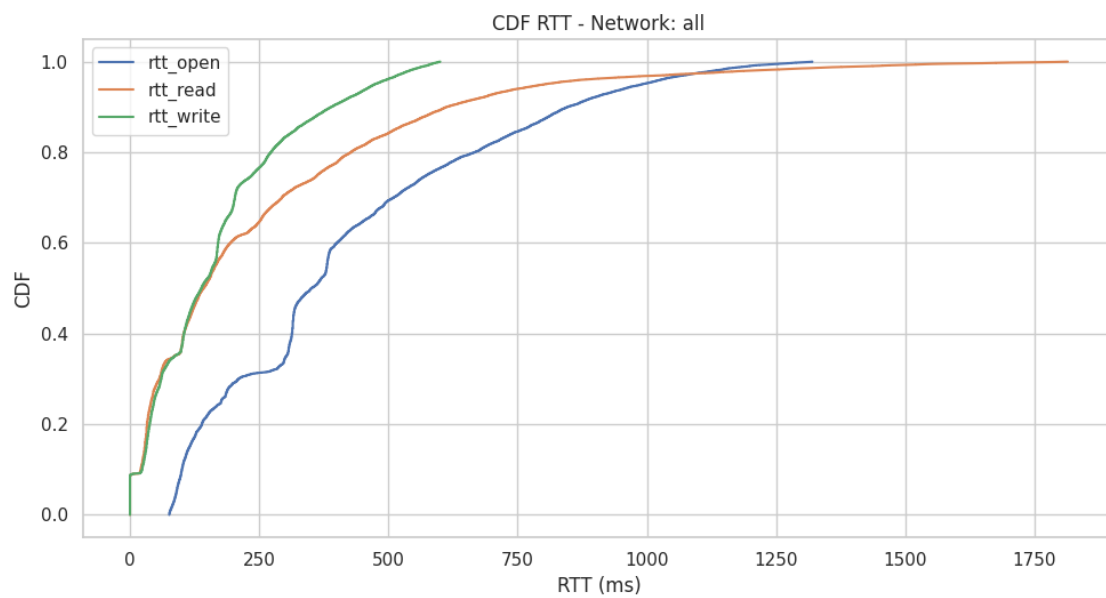
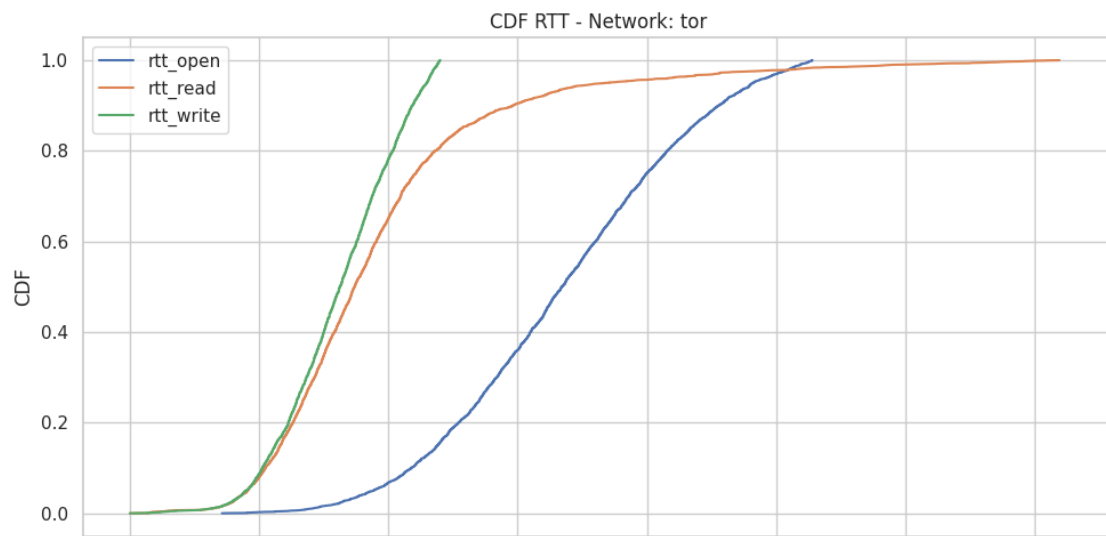
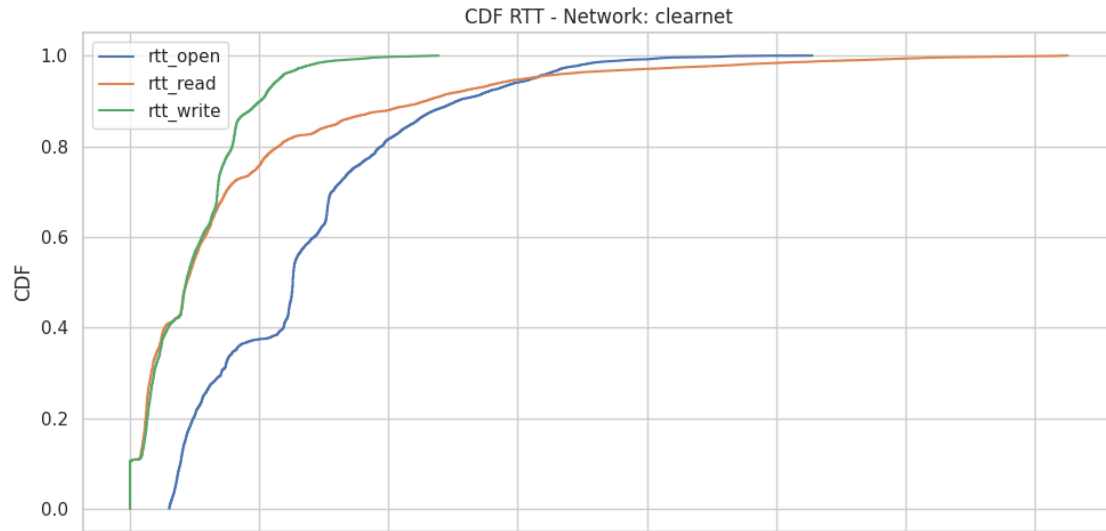
- tor: 248 (19.98%)

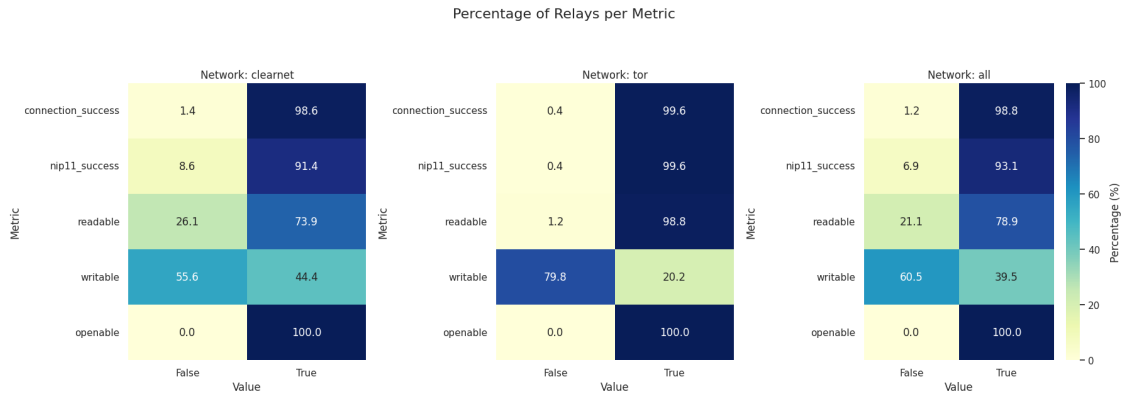
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<Axes: title={'center': 'Relay metadata count distribution'},  
ylabel='Frequency'>
```



Total unique relays with metadata: 1241







Network: clearnet

| | connection_success | nip11_success | readable | writable | openable | count |
|---|--------------------|---------------|----------|----------|----------|-------|
| 0 | True | True | True | True | True | 417 |
| 1 | True | True | True | False | True | 274 |
| 2 | True | True | False | False | True | 199 |
| 3 | True | False | False | False | True | 51 |
| 4 | True | False | True | False | True | 20 |
| 5 | True | False | True | True | True | 12 |
| 6 | True | True | False | True | True | 4 |
| 7 | True | False | False | True | True | 2 |
| 8 | False | True | True | False | True | 1 |

Network: tor

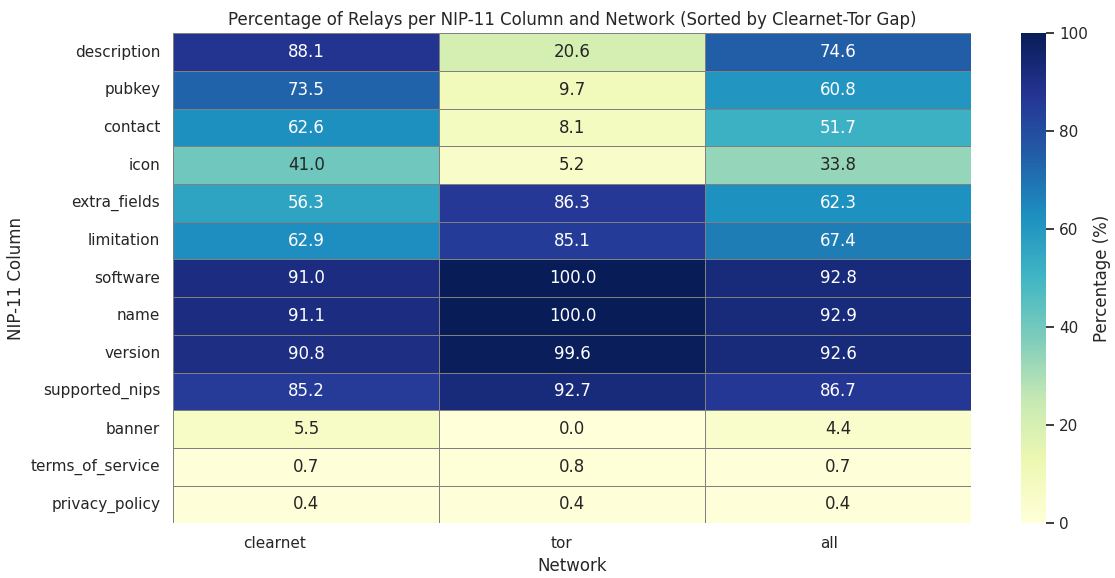
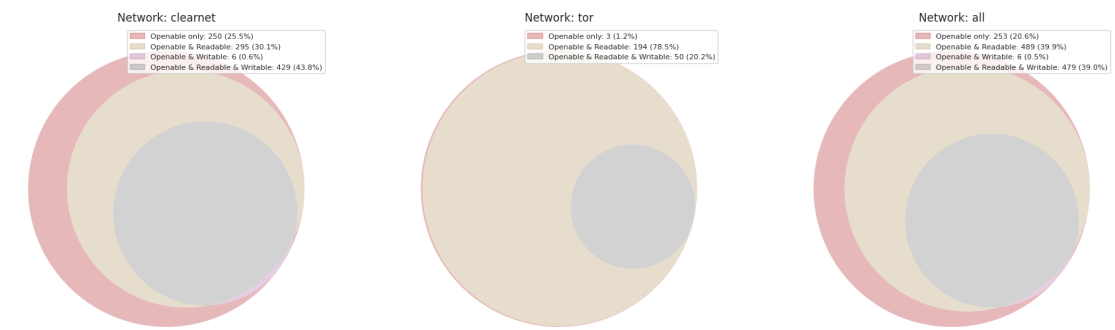
| | connection_success | nip11_success | readable | writable | openable | count |
|---|--------------------|---------------|----------|----------|----------|-------|
| 0 | True | True | True | False | True | 193 |
| 1 | True | True | True | True | True | 50 |
| 2 | True | True | False | False | True | 3 |
| 3 | True | False | True | False | True | 1 |

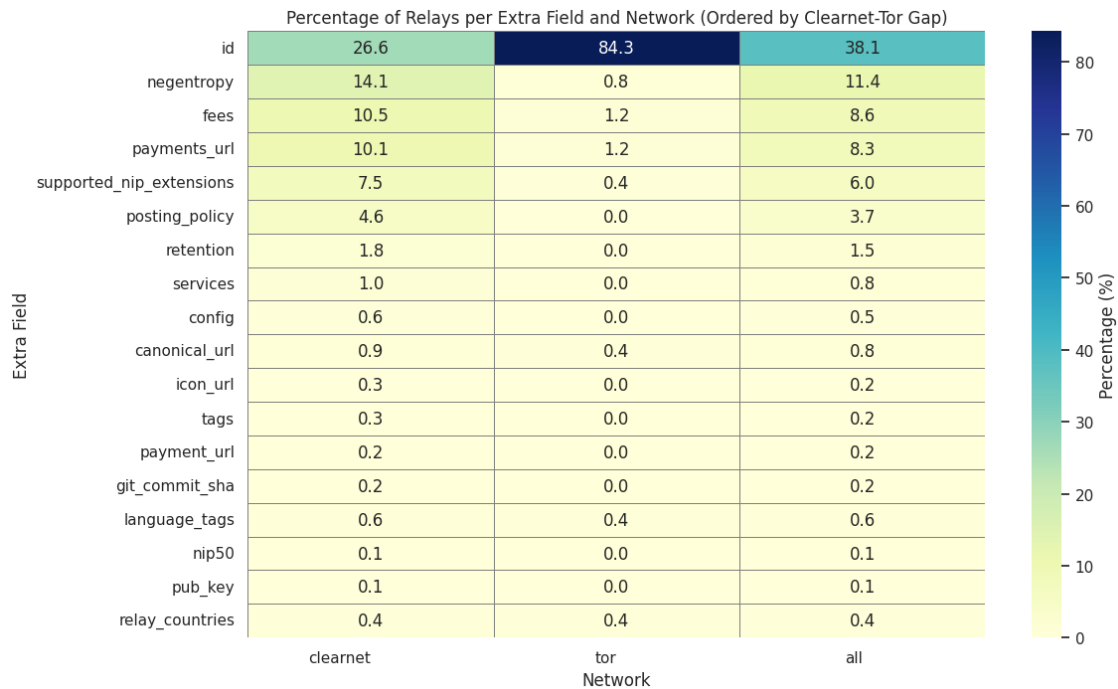
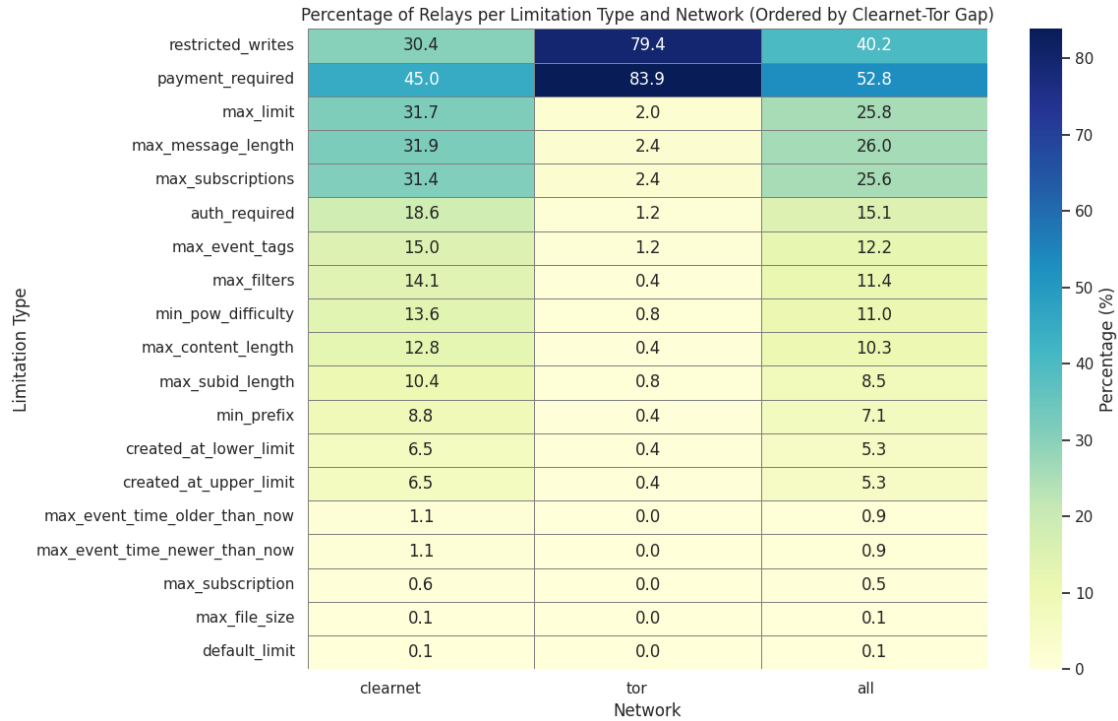
Network: all

| | connection_success | nip11_success | readable | writable | openable | count |
|---|--------------------|---------------|----------|----------|----------|-------|
| 0 | True | True | True | False | True | 467 |
| 1 | True | True | True | True | True | 467 |
| 2 | True | True | False | False | True | 202 |
| 3 | True | False | False | False | True | 51 |
| 4 | True | False | True | False | True | 21 |
| 5 | True | False | True | True | True | 12 |

| | | | | | | |
|---|-------|-------|-------|-------|------|---|
| 6 | True | True | False | True | True | 4 |
| 7 | True | False | False | True | True | 2 |
| 8 | False | True | True | False | True | 1 |

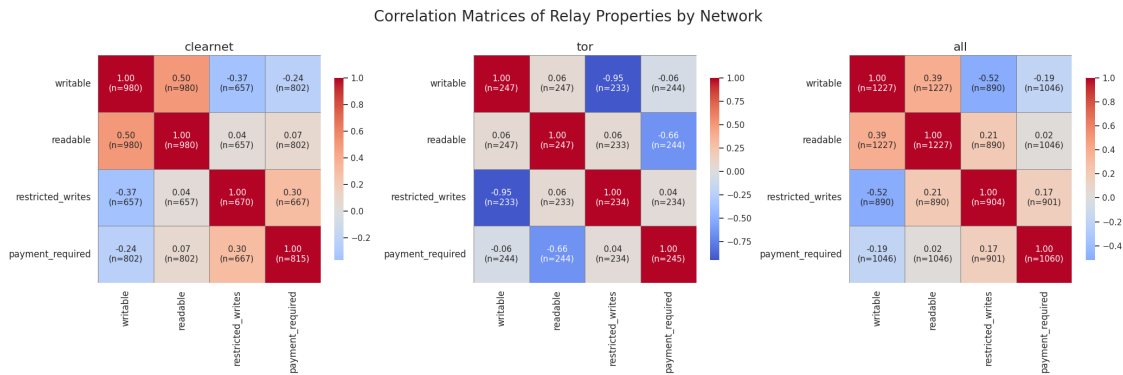
Relay Status Combinations





Number of relays in cleanet and tor: 1241
 Number of relays in cleanet: 993

Number of relays in tor: 248



Network: clearnet

| | writable | readable | restricted_writes | payment_required | count |
|---|----------|----------|-------------------|------------------|-------|
| 0 | True | True | False | False | 272 |
| 1 | False | False | False | False | 177 |
| 2 | False | True | False | False | 97 |
| 3 | False | True | True | False | 67 |
| 4 | False | False | True | False | 24 |
| 5 | False | True | True | True | 7 |
| 6 | True | False | False | False | 5 |
| 7 | False | False | True | True | 4 |
| 8 | True | True | True | False | 1 |

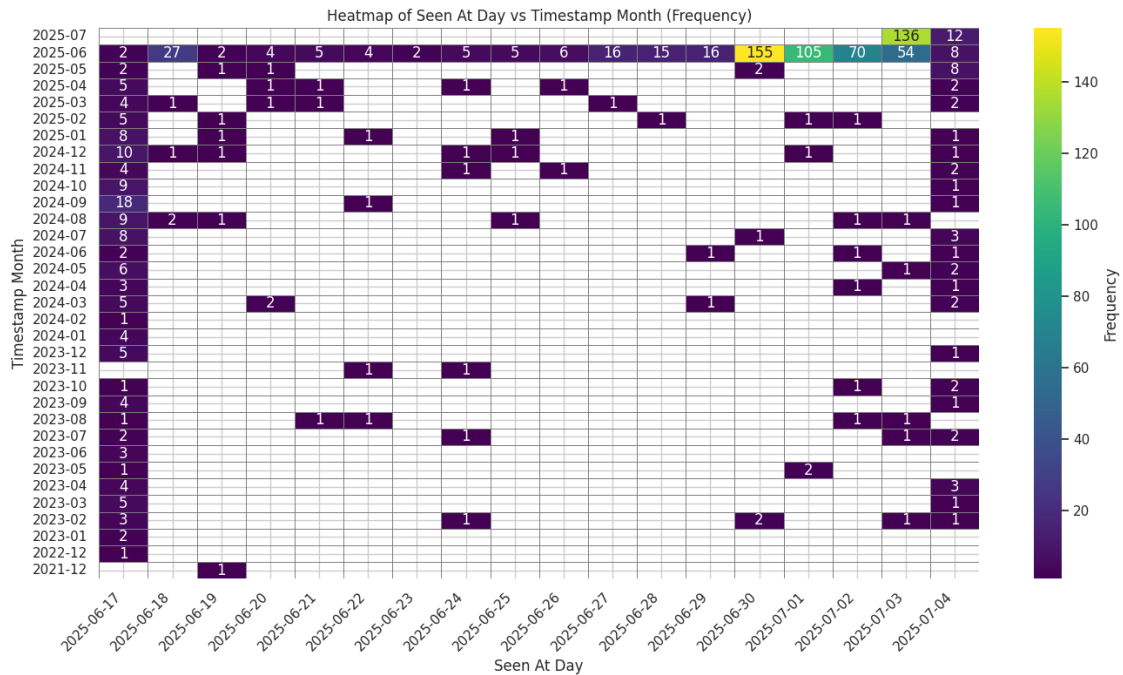
Network: tor

| | writable | readable | restricted_writes | payment_required | count |
|---|----------|----------|-------------------|------------------|-------|
| 0 | False | True | True | False | 181 |
| 1 | True | True | False | False | 47 |
| 2 | False | True | False | False | 3 |
| 3 | False | False | False | False | 1 |
| 4 | False | False | True | True | 1 |

Network: all

| | writable | readable | restricted_writes | payment_required | count |
|---|----------|----------|-------------------|------------------|-------|
| 0 | True | True | False | False | 319 |
| 1 | False | True | True | False | 248 |
| 2 | False | False | False | False | 178 |
| 3 | False | True | False | False | 100 |
| 4 | False | False | True | False | 24 |
| 5 | False | True | True | True | 7 |
| 6 | False | False | True | True | 5 |

| | | | | | |
|---|------|-------|-------|-------|---|
| 7 | True | False | False | False | 5 |
| 8 | True | True | True | False | 1 |

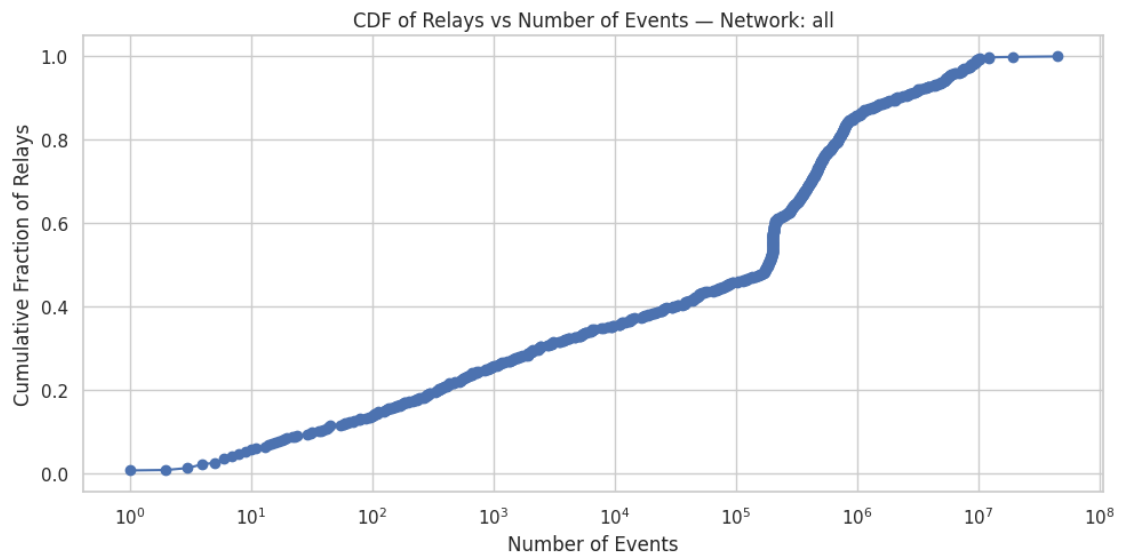
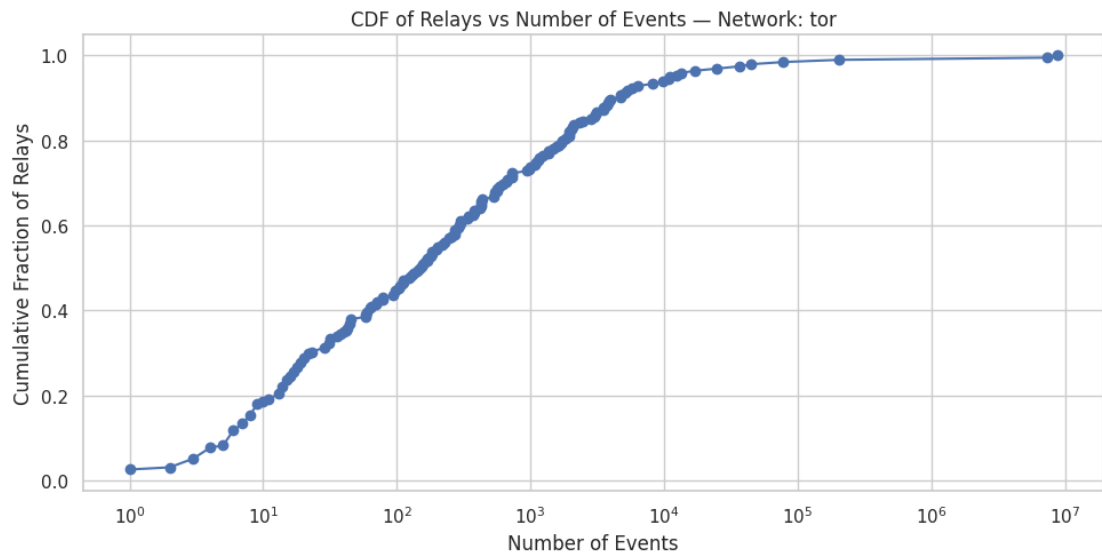
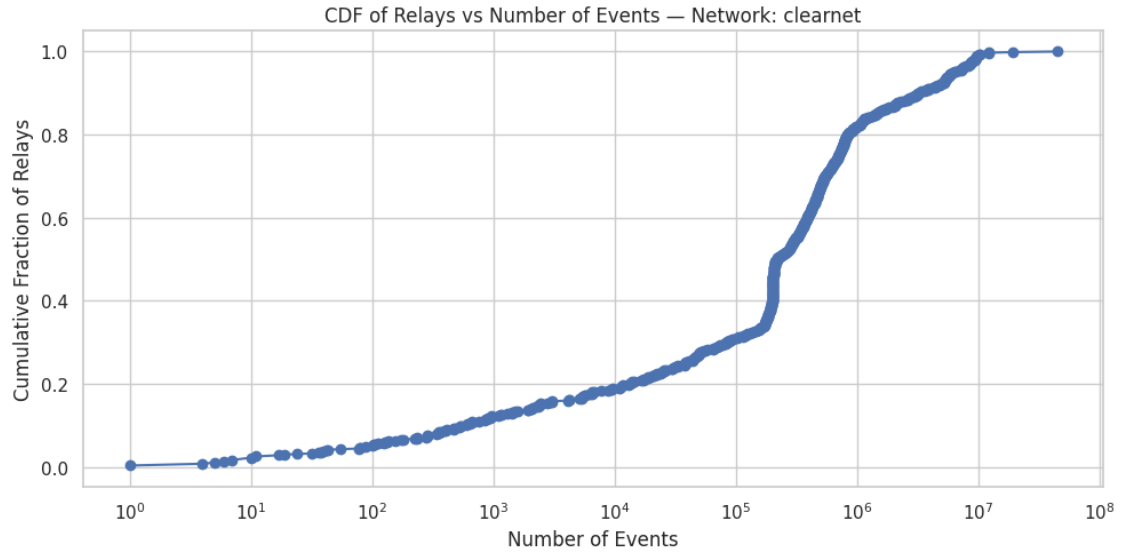


Top 3 relays with most events in clearnet:

- wss://relay.nostr.band: 44635361 events
- wss://a.nos.lol: 19150103 events
- wss://nos.lol: 12103793 events
- wss://dave.st.germa.in/nostr: 12103598 events
- wss://nostr-01.yakihonne.com: 10262997 events

Top 3 relays with most events in tor:

- wss://oxtrdevav64z64yb7x6rjg4ntzqjhedm5b5zjqulugknhzr46ny2qbad.onion: 8726537 events
- wss://sovbitm2enxfr5ot6qscwy5ermdffbqscy66wirkbsigvcshumyzbbqd.onion: 7390935 events
- wss://3rpykuwfpvgijym45svczvzpbur6t6x4b67lnvp6wxdre2cqoy6a4dyd.onion: 202968 events
- wss://sovbitgz5uqyh7jwcsudq4sspxlj4kbnurvd3xarkkx2use3k6rllibqd.onion: 78420 events
- wss://cmuqxreb6oma3x3iq3zh62im7w4266uo3txac6e75qtlfqs7scwqyqyd.onion: 45099 events



| | relay_url | network | timestamp | \ |
|-----|---|----------|------------|---|
| 19 | wss://nostr.oxtr.dev | clearnet | 1751188203 | |
| 134 | wss://oxtrdevav64z64yb7x6rjg4ntzqjhedm5b5zjqul... | tor | 1751371575 | |

| | seen_at | timestamp_month | seen_at_day | event_count |
|-----|------------|-----------------|-------------|-------------|
| 19 | 1751417168 | 2025-06 | 2025-07-02 | 8576968 |
| 134 | 1751588624 | 2025-07 | 2025-07-04 | 8726537 |

| | relay_url | network | timestamp | \ |
|-----|---|----------|------------|---|
| 275 | wss://sovbitm2enxfr5ot6qscwy5ermdffbqscy66wirk... | tor | 1751473067 | |
| 358 | wss://sovbitgz5uqyh7jwcsudq4sspxlj4kbnurvd3xar... | tor | 1751166521 | |
| 387 | wss://freelay.sovbit.host | clearnet | 1751473181 | |
| 396 | wss://nostr.sovbit.host | clearnet | 1751056247 | |

| | seen_at | timestamp_month | seen_at_day | event_count |
|-----|------------|-----------------|-------------|-------------|
| 275 | 1751576506 | 2025-07 | 2025-07-03 | 7390935 |
| 358 | 1751289267 | 2025-06 | 2025-06-30 | 78420 |
| 387 | 1751576877 | 2025-07 | 2025-07-03 | 7396293 |
| 396 | 1751415488 | 2025-06 | 2025-07-02 | 78415 |