

ICANN Domain Metrics & INFERMAL

Yazid AKANHO

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Agenda

ICANN Domain Metrics

INFERMAL project

What is ICANN Domain Metrica?

A system to **collect**, **combine** and **compare** any metadata related to domain names.

The platform has a **dynamic dashboard** with relevant **statistics** and visualisations; alongside an API to access raw data.

Available to all via ICANN account, Registry/Registrar users have customised access

ICANN Domain Metrics

- Data and statistics for **gTLDs** and **registrars**
- **Searchable** for gTLDs, registrars and domains [get **Metadata** and statistics]
- Shareable **domain-level** data
- **Interactive visualisations** and comparisons [allows to filter on dates and add gTLDs to compare]
- **Abuse map** - abuse hosts geolocation [[Maxmind data](#)]
- **Domain Popularity Ranking** [[Tranco list](#)]

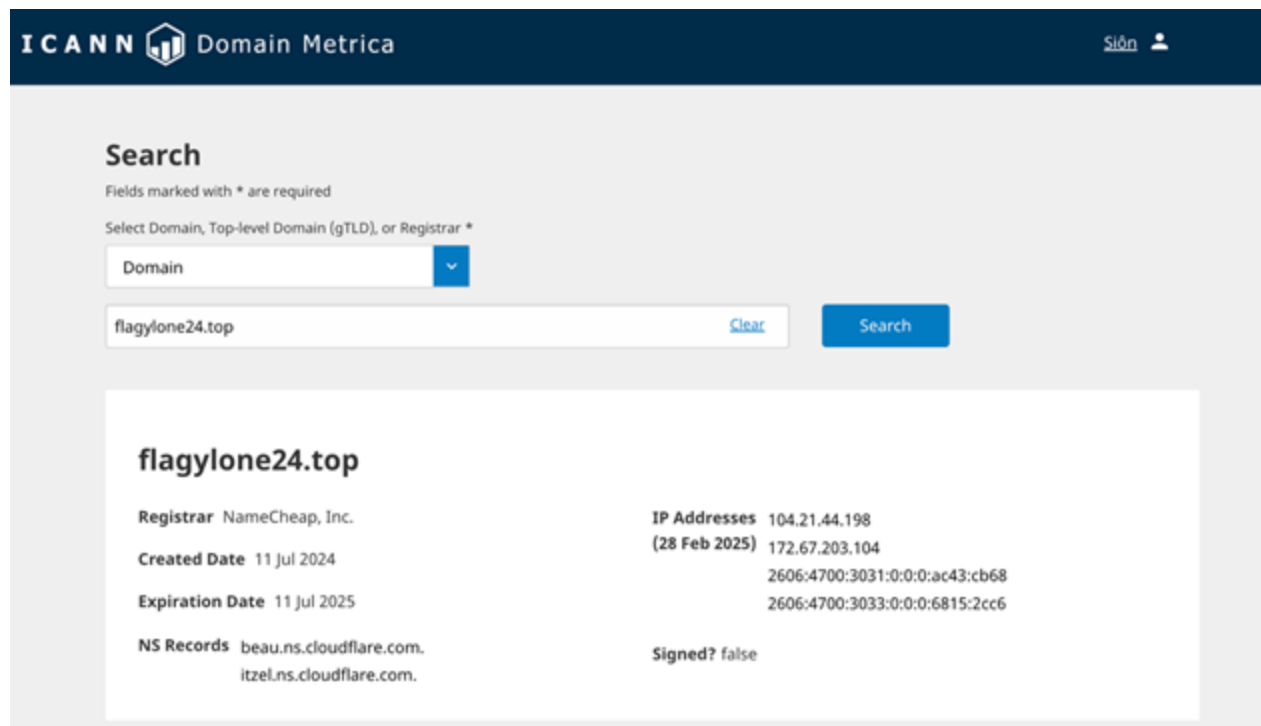
- MoSAPI
 - Access to lists of reported domains (contracted parties)
- A separate API for the rest of the ICANN community

ICANN Domain Metrics - Use Case I

We suspect the domain “flagylone24.top” to be involved with abuse

Search in the UI

Background



The screenshot shows the ICANN Domain Metrics search interface. The header includes the ICANN logo and 'Domain Metrics' text, with a 'Sign In' link and user icon on the right. The search section is titled 'Search' and includes a note: 'Fields marked with * are required'. Below this, it says 'Select Domain, Top-level Domain (gTLD), or Registrar *'. There is a dropdown menu labeled 'Domain' with a blue arrow icon. Below the dropdown is a search input field containing 'flagylone24.top', a 'Clear' link, and a blue 'Search' button. The search results are displayed in a white box with the following information:

flagylone24.top	
Registrar NameCheap, Inc.	IP Addresses 104.21.44.198
Created Date 11 Jul 2024	(28 Feb 2025) 172.67.203.104
Expiration Date 11 Jul 2025	2606:4700:3031:0:0:ac43:cb68
NS Records beau.ns.cloudflare.com, itzel.ns.cloudflare.com.	2606:4700:3033:0:0:6815:2cc6
	Signed? false

ICANN Domain Metrics - Use Case I

Current active reports

Current Reported Abuse

Last updated 06 Mar 2025

Summary of the latest reported abuse updated daily

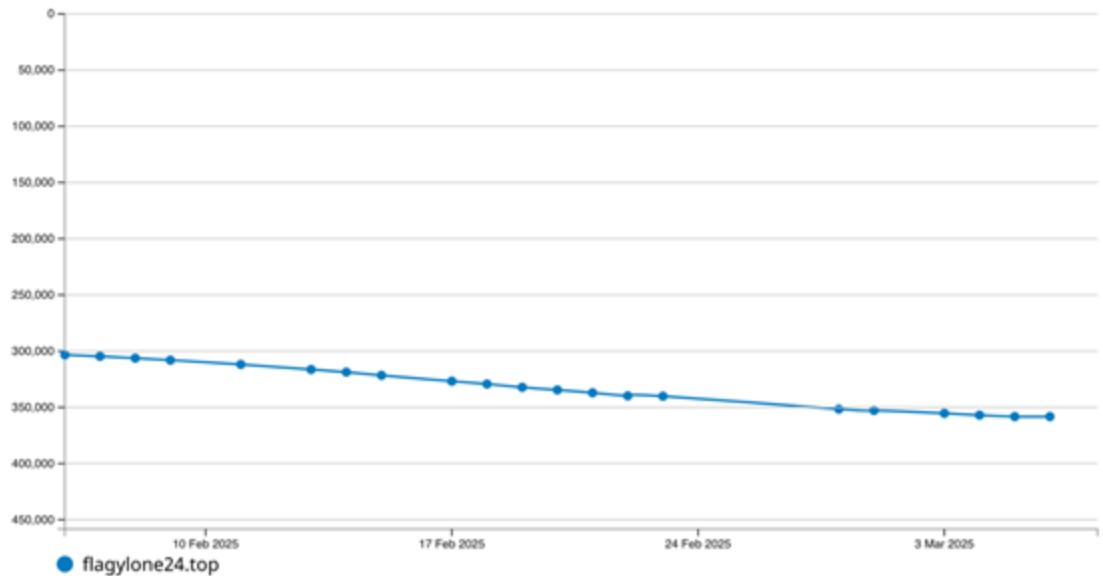
RBL Name	Reported Abuse Type	URL Count [ⓘ]
surbl	Phishing	1

Popularity of domain

Tranco Popularity Ranking

A Research-Oriented Top Sites Ranking Hardened Against Manipulation [ⓘ]

Click the chart title to download, compare, or change date range



ICANN Domain Metrics - Use Case II

What do we know about the TLD “com”?

Search in the UI

Background

Current Reported Abuse

Select Domain, Top-level Domain (gTLD), or Registrar *

TLD

com

Last Updated 06 Mar 2025 **Zone Size** 154,482,406

Registry <http://www.verisigninc.com> **Size Change (since 05 Mar 2025)** +23,510

Type generic **Number of Signed Delegations** 6,359,930

Delegation Date no data available

Current Reported Abuse Last updated 06 Mar 2025

Summary of the latest reported abuse updated daily

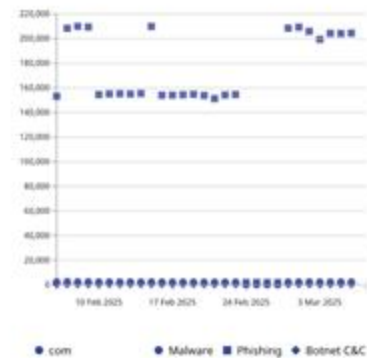
Reported Abuse Type	Unique Domain Counts	Percentage of Total Zone Size
Phishing	204,574	0.132%
Malware	2,158	0.001%
Botnet C&c	555	0.000%

ICANN Domain Metrics - Use Case II

Reported Abuse Trends

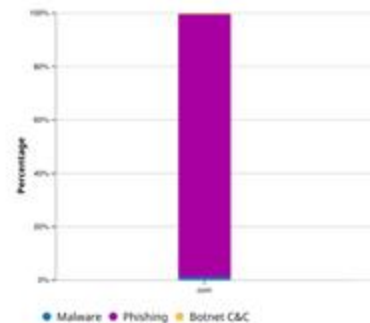
Reported Abuse Counts

Last 30 days of reported abuse grouped by abuse type
Click the chart title to download, compare, or change date range



Percentage of Reported Abuse Counts

Reported abuse counts as a proportion of total of reported abuse.
Click the chart title to download, compare, or change date range.



Hosting locations

Reported Abuse Map

Last updated 07 Mar 2025

Location and counts of current reported abuse hosts



ICANN Domain Metrics

RBL Name Reported Abuse Type [Reset](#) [CSX](#) | [JSON](#)

Note: the list shown here will not contain all reported domains. The number of results we can return is limited by our license agreements, we also only display fresh reports, that is, reports first seen in the previous 7 days. See the [FAQ](#) for more details.

1 - 20 of 446 results Last updated 06 March 2025

Domain	RBL Name	Reported Abuse Type	URL Count
[REDACTED]	spamhaus	Botnet C&C	1
[REDACTED]	spamhaus	Botnet C&C	1
[REDACTED]	surbl	Malware	1
[REDACTED]	spamhaus	Malware	1
[REDACTED]	spamhaus	Malware	1
[REDACTED]	spamhaus	Malware	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1
[REDACTED]	surbl	Phishing	1

< Previous **1** 2 3 4 5 6 7 8 9 10 Next >

Shareable **domain-level** data

(For registry and registrar users only)

ICANN Domain Metrica

- Domain Metrica is not “finished”
 - It is planned to evolve through its existence
 - Reflect feedback, new use cases, *etc.*
 - Build on what we have
- Yearly evaluation of the inputs lists we use [using our RBL evaluation methodology **OCTO037**]

Want to know more?

Metrica homepage:

<https://www.icann.org/octo-ssr/metrica-en>

DASC webinar on ICANN Domain Metrica (4 December 2024):

<https://community.icann.org/display/ccnsowkspc/ccNSO+Webinars>

Engage with ICANN



Thank You and Questions

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