



Internet Society
Pulse

Internet Society Pulse

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- Launched December 2020.
- We curate Internet measurement data from trusted sources to help everyone gain deeper, data-driven insight into the Internet.

Trusted data from multiple sources:

- **Benefit:** Helps to assess whether efforts to ensure that the Internet remains open, globally connected, secure, and trustworthy are working.
- **Benefit:** Allows policymakers, researchers, journalists, network operators, civil society groups, and others to understand the availability, evolution, and resilience of the Internet.



Pulse Data Partners

- Data is provided by our trusted data partners



pulse.internetsociety.org/partners

IXP Tracker

IXPs are a vital part of a strong peering ecosystem and help to make the Internet more resilient.

7th Sep 2025

IXPDB lists 1,102 IXPs,
PCH's IXP Directory lists 1,205,
PeeringDB lists 1,256.

Active Internet Exchange Points

The total number of IXPs in operation around the world, as of September 2025.

1,014

Active IXPs globally

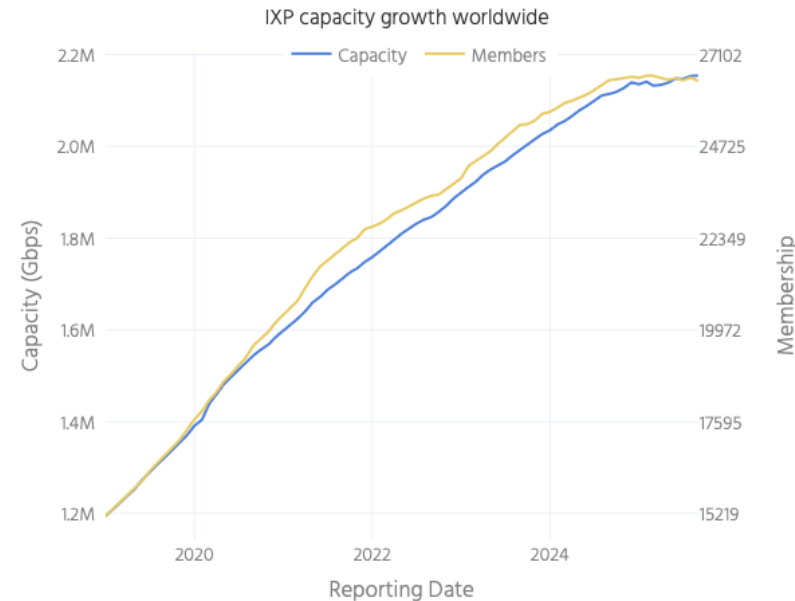
This data is updated monthly, using data from [PeeringDB](#).

2,154,243 Gbps

Total global capacity of IXPs

IXP capacity growth over time

The global total of IXPs over time, shown along with the growth in combined capacity offered by the world's IXPs.



Top 10 countries/territories by IXP coverage

Internet users in these countries have the highest proportion of access to their local Internet via IXPs.

- [Suriname](#) : 85.71%
- [Sint Maarten \(Dutch part\)](#) : 75.00%
- [Saint Martin \(French part\)](#) : 66.67%
- [Réunion](#) : 66.67%
- [Grenada](#) : 63.64%
- [Saint Kitts and Nevis](#) : 62.50%
- [Djibouti](#) : 60.00%
- [Trinidad and Tobago](#) : 58.82%
- [Burundi](#) : 55.56%
- [South Africa](#) : 52.81%

IXP Tracker



Active Internet Exchange Points

The total number of IXPs in operation in Philippines, as of July 2025.

13

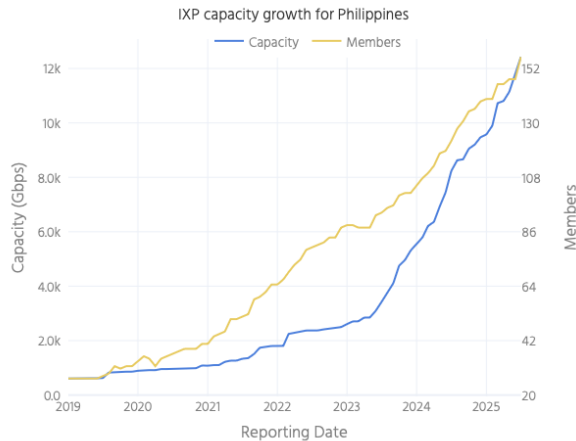
Active IXPs

18.02 %

Proportion of local networks that are peering at IXPs in this country.

IXP capacity growth over time in Philippines

The total of IXPs over time, shown along with the growth in combined capacity.



Country Reports

Internet Society Pulse Country Reports consolidate and provide context for the data that we collect and curate via the four Pulse research tracks. See the [country report for Philippines](#).

IXPs in Philippines

IXP Name	Location
Amsterdam Internet Exchange Manila - AMS-IX Manila	Manila
Bayan Telecommunications Internet and Gaming Exchange - BAYANTEL	Quezon City
BBIX Manila	Manila
Digital Edge FPIX Philippines	Metro Manila
GetaFIX Cebu - Philippines	Cebu
GetaFIX Davao - Philippines	Davao
GetaFIX Manila - Philippines	Manila
Globe Internet Exchange - GIX	Makati City
Maharlika Internet Exchange - MHK-IX	Manila
PCTA Internet Exchange - PCTA-IX Luzon	Pasig City
Philippine Open Internet Exchange (Manila) - PhOpenIX-Manila	Manila
PhiX	Manila
Vitro Internet Exchange	Pasig

IXP Details: PhIX

Filter IXPs by Country:

IXP name:

Philippines

PhIX

Select

Country: [Philippines](#)

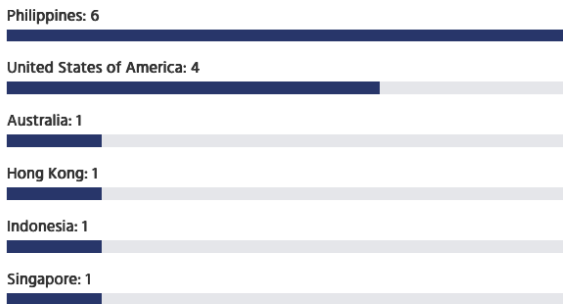
City: Manila

Website: <https://www.pldtenterprise.com/solutions/internet/content-delivery-ip-peering/direct-content-peering>

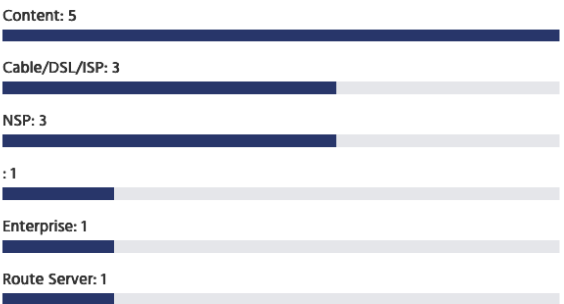
Members: 14 ([View members](#))

Members

Countries of registration



AS Types



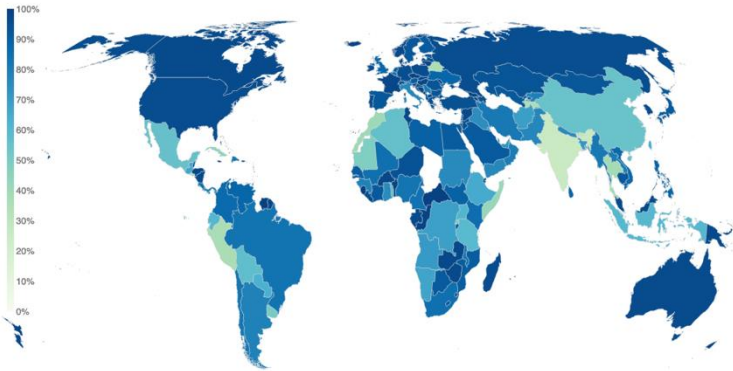
AS Name	ASN	AS Type	Member Since	RS Peer	Speed	Registration Country
ByteDance	396986	Content	April 17, 2024	No	200000	United States of America
Cablelink & Holdings Corp. Transit AS Internet Service Provider Philippines	45499	Cable/DSL/ISP	March 9, 2024	Yes	1000	Philippines
Cloudflare	13335	Content	Dec. 18, 2024	Yes	100000	United States of America
CONVERGE ICT SOLUTION	17639	NSP	March 2, 2023	No	10000	Philippines
Data-Beam Business Solution	150000	Cable/DSL/ISP	Dec. 15, 2023	Yes	1000	Philippines
Edge Cloud	60021	Cable/DSL/ISP	June 25, 2023	Yes	10000	Singapore
Fastly, Inc.	54113	Content	Feb. 8, 2022	Yes	400000	United States of America
Kaopu Cloud HK	138915	Enterprise	Jan. 10, 2023	No	100000	Hong Kong
OneQode	140627	—	Oct. 3, 2023	Yes	10000	Australia
PhIX Route Servers	7707	Route Server	Dec. 17, 2024	No	0	Philippines
PT Omni Cloud Indonesia	141109	Content	July 22, 2024	No	20000	Indonesia
Radius Telecoms Inc.	55821	NSP	Oct. 3, 2023	Yes	2000	Philippines
Riot Games	6507	Content	April 19, 2022	Yes	20000	United States of America
Source Telecoms	18187	NSP	Jan. 5, 2023	No	1000	Philippines

Technologies Globally



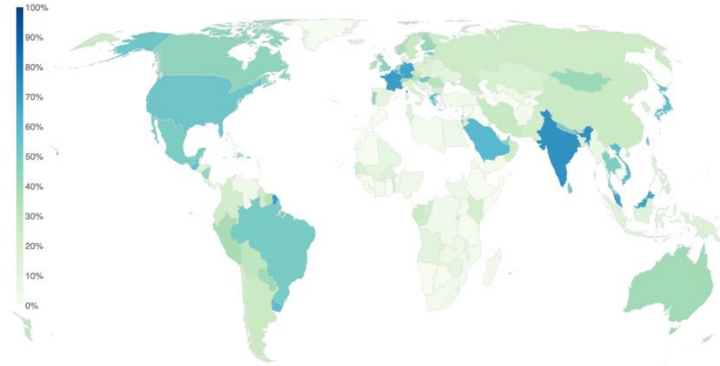
HTTPS
96%

Current percentage of top 1000 websites globally that support HTTPS.



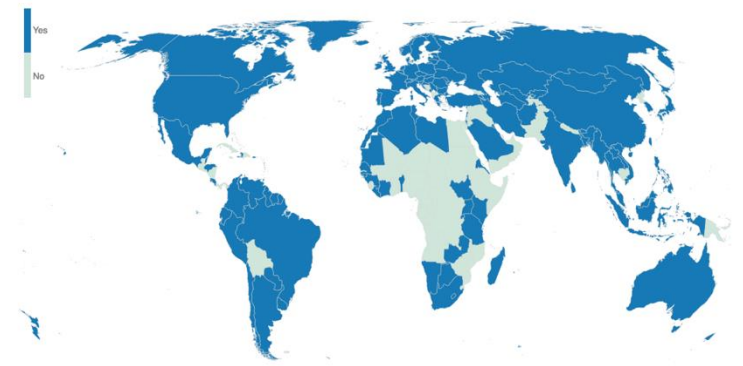
IPv6
48%

Current percentage of top 1000 websites globally that support IPv6.



TLS1.3
85%

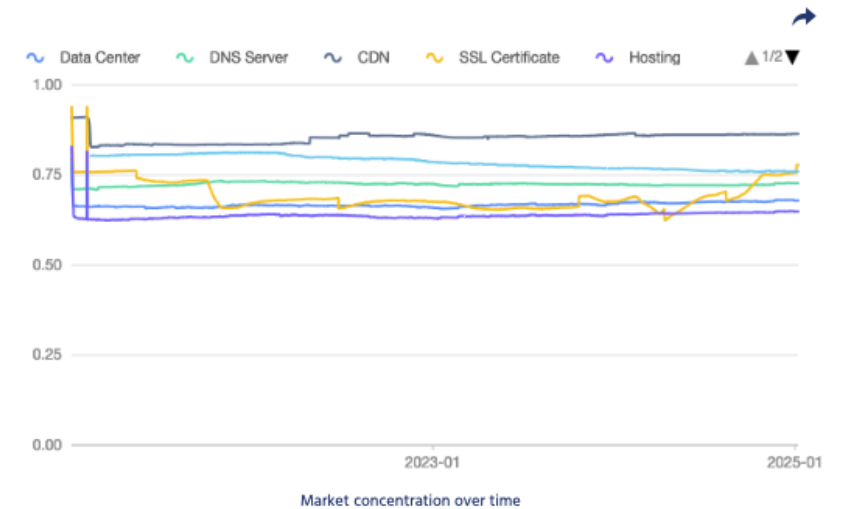
Current percentage of top 1000 websites globally that support TLS 1.3.



Concentration of Critical Services

- Tracking which core Internet services are distributed or concentrated among a few actors.
- Two views:
 - Market Concentration: The concentration of providers in a given market.
 - Country Market Shares: The jurisdiction of providers in a given market.

Market History | Gini -



Internet Centralization History | Gini 0.74



Concentration by Country

Data Center Top Level Domains SSL Certificate DNS Server CDN Hosting Server Location

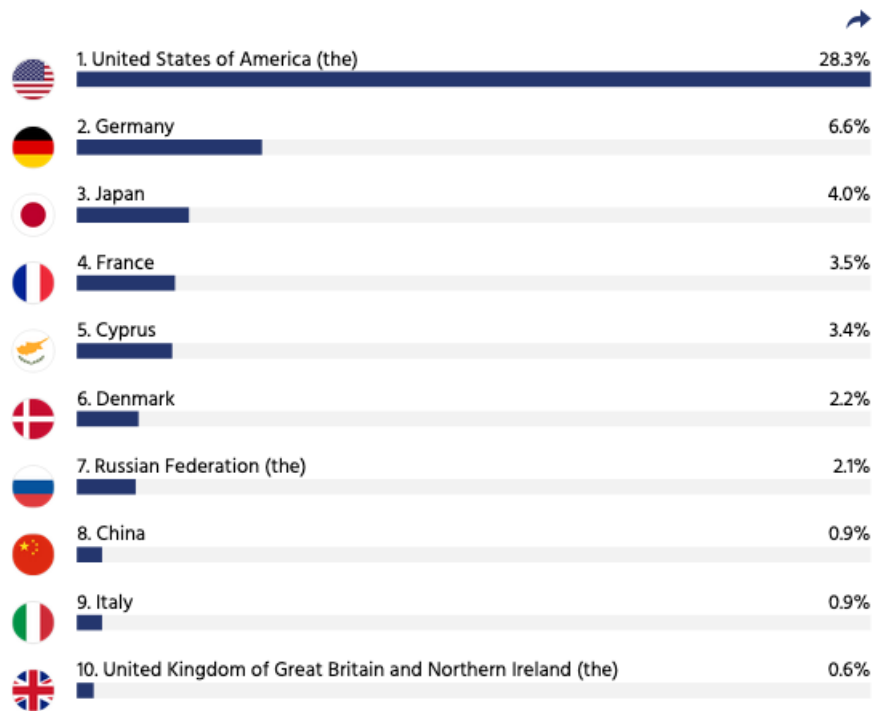
All Top 10,000 sites Top 1,000 sites

Unweighted Weighted

Unweighted Gini: 0.81

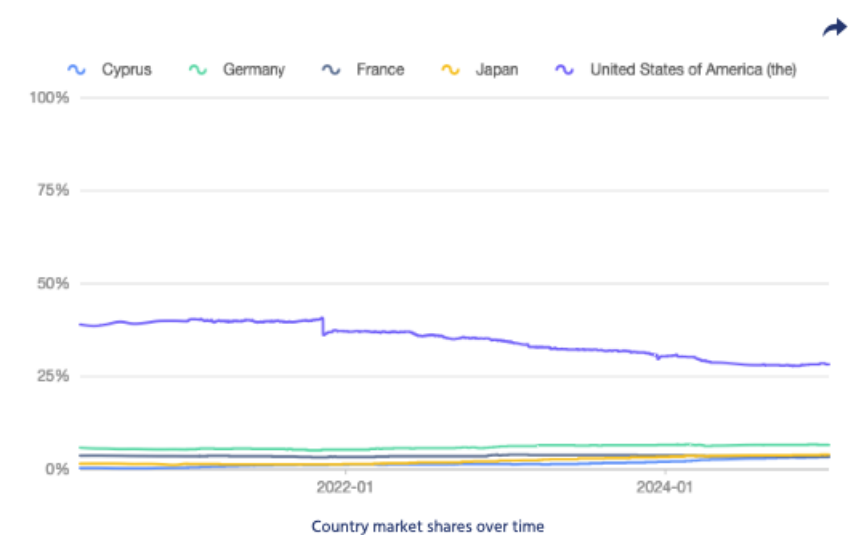
Search for countries

Country Ranking



Countries ranked by market share

Country History



The Internet Resiliency Index (IRI)



Methodology

The framework collates around 30 sets of public metric data that relate to **four pillars** of a resilient Internet:

Infrastructure

The existence and availability of physical infrastructure that provides Internet connectivity.

Performance

The ability of the network to provide end-users with seamless and reliable access to Internet services.

Security

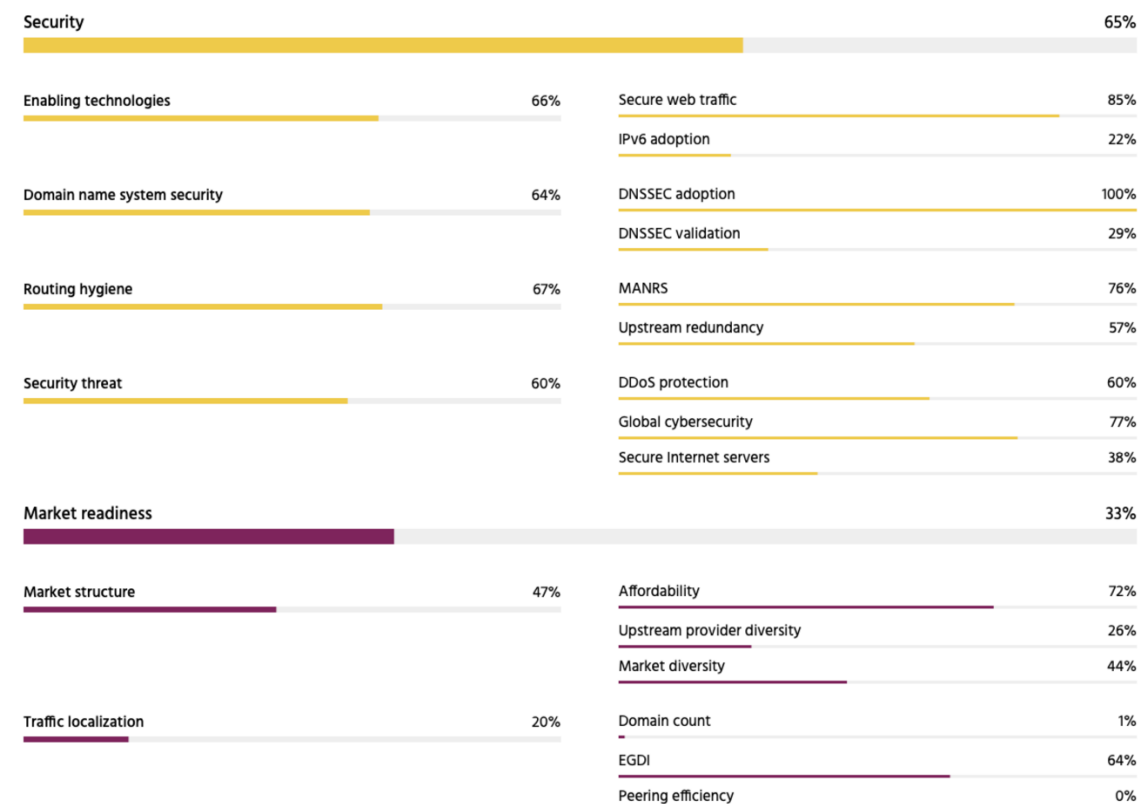
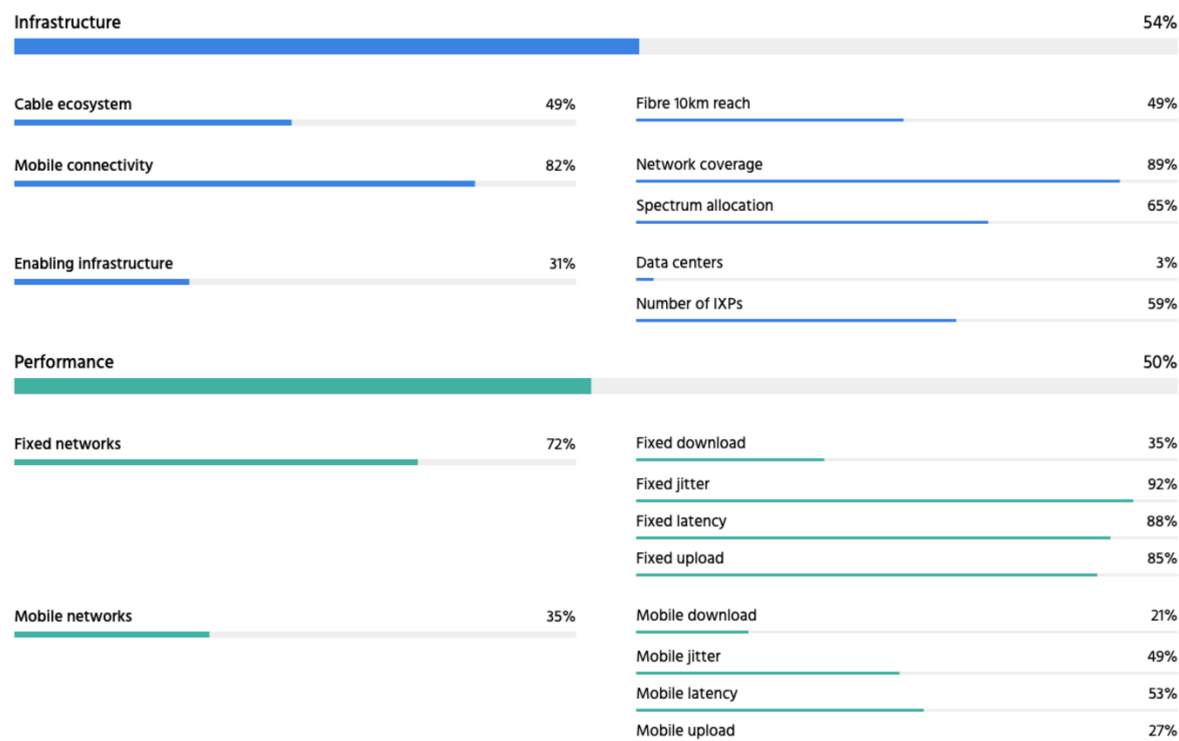
The ability of the network to resist intentional or unintentional disruptions through the adoption of security technologies and best practices.

Market Readiness

The ability of the market to self-regulate and provide affordable prices to end-users by maintaining a diverse and competitive market.

Overall Internet Resilience — By Country

Philippines (the)



Country Reports

- Consolidate and provide context for the data that we collect and curate via the four Pulse research tracks
- Reports can assist:
 - Policy and decision makers to understand local and regional differences regarding various aspects of the Internet. This can help target improvement plans and work towards enabling policies to support development.
 - Civil society groups and journalists to advocate and lobby for more investment and targeted improvements to infrastructure.

Network Infrastructure

Mobile 4G and 5G coverage

99%

has access to at least one device with 4G mobile Internet

70%

has access to at least one device with 5G mobile Internet

[2023](#)

Active networks

The building blocks of the Internet, identified by Autonomous System (AS) numbers.

414

active networks

[2025](#)

International connections

Routes to the global Internet

Upstream diversity is

Good

More than 2 connections to the global Internet improves the ability to recover from unexpected events.

[2025](#)

Adoption of IPv6

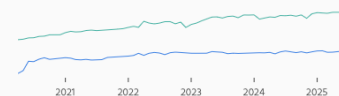
17%

of users can access online resources using IPv6, the new generation of the Internet Protocol

40%

Asia average

[2025](#)



Get access to the Pulse API

- Collates Internet measurement data from trusted third parties.
- Use the Pulse API to get access to this data
- Do own data-driven analysis about the health, availability, and evolution of the Internet.

<https://pulse.internetsociety.org/en/api/>

Internet Society Pulse API (1.0.0)

Download OpenAPI specification: [Download](#)

API Support Contact: pulse@isoc.org | [Terms of Service](#)

An API making available various data sources from the Pulse platform.

Authentication

To use the Pulse API you will need a token. Create an account and generate

Using the API

If you're using a tool like Postman, set Auth Type to `Bearer Token` (under Auth) in the relevant field.

Alternatively, using `curl` from the command line, set appropriate Headers:

```
curl {$yourURL} -H 'Accept: application/json' -H 'Auth
```

Many endpoints now include the option of having data returned in CSV format.

```
curl {$yourURL} -H 'Accept: text/csv' -H 'Authorization
```

Rate Limiting

We don't automatically rate limit so please be considerate in your usage. Most endpoints are best so you probably don't need to query an endpoint more often than that. If you need to reach out to you, or apply rate-limiting to your account.

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