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Measuring the Internet

Internet Society Pulse

Internet
Society

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We curate data from trusted sources to measure the health of the global Internet

Our trusted data partners

Tracking the health of the Internet

- Pulse curates data across several different topics
    - Internet **shutdown** events and **NetLoss** calculator
    - The implementation of enabling **technologies**
    - The **concentration** of services on the Internet
    - The diversity of Internet experience via our **Internet Resiliency Index**
    - **Country reports** highlighting key insights and comparisons from the data
    - **Internet Exchange Point (IXP) Tracker**, tracking key data about IXPs

- Recently added features:
    - **Popular Content Locality** tracking the proportion of popular content hosted locally
    - **Public API**

Country Report - Japan

Japan

Open Internet Environment

The open Internet allows people and organizations to mix and match technologies without permission and with minimal barriers. Sustaining and growing an open Internet helps to spur innovation and keep it fit for future applications. An open Internet is an accessible Internet – it is easy to connect to the open Internet and use its services.

Internet Use

Individuals using the Internet as a percentage of the total population.

85%

Regional Rank: 25th
Asia average: 74%

Popular Content Locality

A measure of how much locally popular web content is hosted in-country or in-region.

91%

Regional Rank: 1st
Asia average: 49%

Internet Resilience Score

A resilient Internet connection is one that maintains an acceptable level of service in the face of faults and challenges to normal operation.

63%

Regional Rank: 3rd
Asia average: 48%

See details

Internet Freedom

Freedom on the Net measures Internet freedom in 70 countries.

Free

★★★★★

See details on freedomhouse.org

Transit Provider Diversity

More diversity in routes to the global Internet improves connection resilience.

Good

★★★☆☆

Retail ISP Diversity

Diversity of retail Internet providers improves resilience and user choice.
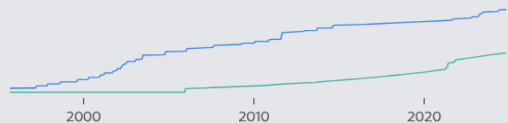
Excellent

★★★★★

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Japan

Globally Connected Infrastructure

The globally connected Internet is inclusive. It allows networks and users to interconnect without geographical restrictions. Increasing the connectivity of the Internet makes it more valuable to every participant, as a tool for communications, learning, commerce.

Networks Assigned

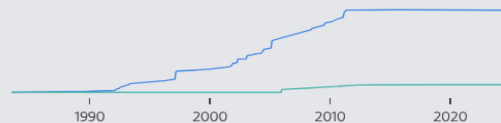A measure of how many Internet networks are active here.

1,291

Regional Rank: 5th
Asia average: 614

IPv4 Addresses Assigned

A measure of how many legacy addresses are assigned here.
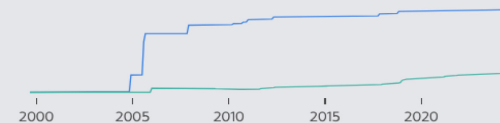
189,500,928

Regional Rank: 2nd
Asia average: 17,588,943

IPv6 Addresses Assigned
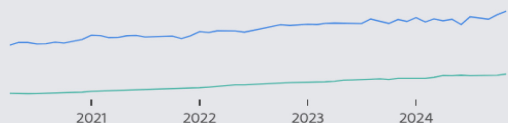
A measure of how many Internet addresses are assigned here.

669,393,111

Regional Rank: 2nd
Asia average: 155,410,899

IPv6 Adoption

Enabling the Internet to support more users and more uses.

57%

Regional Rank: 7th
Asia average: 21%

IXP Count

IXPs help strengthen local Internet connectivity, develop local Internet industry, improve competitiveness, and serve as a hub for technical activity.

19

Regional Rank: 3rd
Asia average: 6

Peering Networks

Peering networks help to keep Internet traffic local, provide faster connections, and improve the experience of the people relying on them.

576

Regional Rank: 4th
Asia average: 129

See details

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Japan

Secure and Trustworthy Internet

A secure Internet is resistant to attacks on its infrastructure, delivering a robust service to its user community. A trustworthy Internet meets the expectations of its users by offering a resilient and reliable base for applications and services.

Naming Security Status

Adopting DNSSEC improves trustworthiness of Internet communications.

.jp 🛡 Active

Naming Security Coverage

A measure of how much local web content supports DNSSEC for improved trustworthiness.

1%

Regional Rank: 11th
Asia average: 1%

Naming Security Adoption

A measure of how much local Internet users are protected by DNSSEC.

14%

Regional Rank: 39th
Asia average: 40%

Routing Security Adoption

A measure of how much local Internet providers are checking validity of connectivity information they receive from other networks.

12%

Regional Rank: 13th
Asia average: 12%

Routing Security Coverage IPv4

One measure of how much local Internet network providers are securing their infrastructure.

72%

Regional Rank: 39th
Asia average: 77%

Routing Security Coverage IPv6

One measure of how much local Internet network providers are securing their infrastructure.

79%

Regional Rank: 31st
Asia average: 78%

How you can help

- Internet Resilience Index - https://pulse.internetsociety.org/resilience
  - Review the IRI for your country or region
  - Share with local technical community, policy makers, journalists, decision makers

- Country Reports - https://pulse.internetsociety.org/reports
  - Review report for your country
  - Share with local technical community, policy makers, journalists, decision makers
  - Downloadable PDF is available

- Share Pulse with others who may find data useful

- Contact Pulse team if you have feedback or questions

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Thank you

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