

Pulse Platform

General Media Backgrounder

June 2022

The Internet Society believes that the Internet is for everyone. Our work centers on increasing the Internet's reach, reliability, and resilience, as well as ensuring that the Internet remains open, globally connected, secure, and trustworthy. We work to strengthen the Internet and to grow it. But how do we assess whether these efforts – and the efforts of other [Internet Industry organizations](#) that facilitate the smooth functioning of the Internet – are working? We created Internet Society Pulse, a platform that curates data from multiple trusted sources to provide data driven insights, so that everyone, everywhere can understand how the Internet functions.

What is the Pulse Platform

The Pulse platform offers insight into the functioning of the global Internet using data collected by our [data partners](#) to examine trends, create reports and tell data-driven stories about the health, availability and evolution of the Internet. The platform is available in [English](#), [French](#) and [Spanish](#).

What Data and Analysis Can I Find on Pulse



Internet Shutdowns: We curate information about government mandated [Internet shutdowns](#) and disruptions occurring around the world, and look at the impact of these actions on the economy and society. Data on regional and national scale disruptions to Internet connectivity is included, as well as on application-level blocking and content blocking.



Enabling Technologies: [New technologies](#) are essential to enable the Internet to keep growing, evolving, and meeting the changing expectations of users. On Pulse, we present information on IPv6 adoption and DNSSEC – DNS Security Extensions - adoption rates, as well as data on the worldwide use of TLS1.3, HTTP/3, route validation and Route Origination Authorization (ROA) generation and more.



Internet Resilience: A [resilient Internet connection](#) is one that maintains an acceptable level of service in the face of faults and challenges to normal operation. We track [resiliency](#) metrics using the Internet Society Internet Resilience Index ([IRI](#)). This helps to support policy and infrastructure development to improve Internet resilience at the local, regional, and global level. Our initial focus is on tracking Internet resilience in Africa and the Caribbean.



Centralization: A decentralized architecture ensures a more resilient network and avoids single points of failure or control. We present [data](#) on the distribution of the market shares of core web technologies and infrastructure to show how Internet services are concentrated among a few actors and countries or distributed among many, and to track how this changes over time.

Data Driven Stories

The [Pulse blog](#) contains in-depth analysis, data visualizations, news on Internet developments, and first hand accounts of the issues that are affecting Internet users around the world. We're always looking for guest authors to publish their own analysis of relevant data or first hand accounts of the impact of Internet shutdowns.

How to Use Internet Society Pulse Data

The data available on the Pulse platform is available to everyone and is meant to:

- Help everyone, including journalists, civil society organizations, policymakers, and Internet users gain insight into the health, availability and evolution of the local and global Internet infrastructure.
- Enable journalists to leverage the statistics, data, and graphics to support coverage of relevant Internet-related topics and events.
- Give policymakers relevant statistics, data, and context to support their positions and/or influence policy development, especially around Internet shutdowns and local infrastructure resiliency.
- Everyone is encouraged to [use and share](#) the data, analysis and visualizations in their work and research.

More Information:

[Internet Society Pulse](#)

Twitter: [@isoc_pulse](#)

[Pulse newsletter sign up](#)

Contact

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About the Internet Society

The [Internet Society](#) is a global nonprofit empowering people to keep the Internet a force for good: open, globally connected, secure, and trustworthy.