

Pulse Platform

Internet Resilience Media Backgrounder

June 2022

The Covid-19 pandemic made clear the crucial role the Internet plays in society and has shown us that everyone, everywhere needs to have stable and reliable Internet connectivity. However, many low-income countries do not have resilient Internet infrastructure - one that can maintain an acceptable level of service when facing technical problems. This is often due to under-provisioned network and cable infrastructure or lack of alternate means of connecting their networks to the Internet making these countries more likely to experience Internet outages and for Internet users to suffer the consequences of an unreliable Internet connection.

What is Internet Resilience

 [Internet Resilience](#) is the ability of a network connected to the Internet to maintain an acceptable level of service in the face of faults and challenges to normal operation.

Why We Measure Internet Resilience

The Internet Society tracks Internet resilience on the Pulse platform to support policy and infrastructure development to help improve Internet resilience at the local, regional, and global level. Our initial focus is on resilience in Africa and more regions will be added soon, starting with the Caribbean.

How We Measure Internet Resilience

Measuring Internet resilience is not an easy task as there are several building blocks that underpin the Internet's complex infrastructure. To be able to make an objective comparison between countries, the Internet Society developed the [Internet Resilience Index \(IRI\)](#) to help everyone understand which components make the Internet more robust. Our overall measure of a country's Internet resilience is based on the following four pillars of a resilient Internet ecosystem:



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.

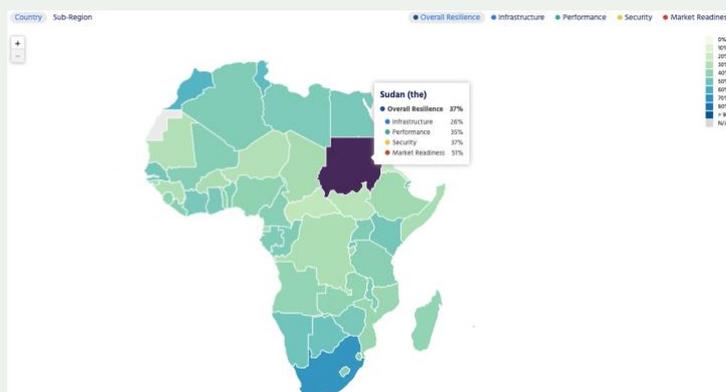
How to Use Internet Society Pulse Data on Internet Resilience

Our dynamic Internet resilience data can be viewed:

- In chart view per country or per region. It can also be sorted on overall resilience or on each of the four pillars of a resilient Internet ecosystem.



- In map view per country or per region. Shading shows how resilient a country or region is according to the each of the four pillars of a resilient Internet ecosystem.



pulse.internetsociety.org/resilience

Available to Everyone

The data available on Internet Society Pulse is freely available to everyone and is meant to:

- Help everyone better understand how their country scores on the Internet Society Internet Resilience Index (IRI) and where improvements could be made to bolster resilience.
- 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 influence policy and infrastructure development
- Give civil society, network operations, and Internet users insight into the availability, resilience, and reliability of local and global Internet infrastructure.

You can [use and share](#) the data, analysis and visualizations in your work and research. You can also publish your own relevant analysis or first-hand accounts of how Internet resilience affects you on the [Pulse blog](#).

About the Internet Society Pulse Platform

The [Pulse Platform](#) provides curated data insights about the Internet, including on [resilience](#), [centralization](#), the deployment of [enabling technologies](#) and Internet [shutdowns](#). We use information collected by our trusted [data partners](#) to examine trends, create reports and tell data-driven stories about the health, availability and evolution of the Internet. Internet Society Pulse is available in [English](#), [French](#) and [Spanish](#).

More Information

[Internet Resilience on Pulse](#)

[Internet Society Internet Resilience Index \(IRI\)](#)

[Measuring Internet Resilience in Africa \(MIRA\)](#)

Twitter: [@isoc_pulse](#)

[Pulse newsletter sign up](#)

.