



Measuring the Internet Introducing the Pulse Platform



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Measuring the Internet – Why?



Bridge the gap between academic networking research and non-scientific audiences (journalists, public policymakers, researchers)

Be a trusted source of information about the Internet – make good, relevant data and interpretations easier to find, share, and reuse.

Help to inform and support other Internet Society projects & communities of interest.

Measuring the Internet – What?

- Curating trusted third-party Internet measurement data from various sources on a single platform.
- We'll use this data to examine trends, generate reports, and tell data-driven stories.
- Available to everyone, everywhere so that policymakers, researchers, journalists, network operators, civil society groups and others can better understand the health, availability, and evolution of the Internet.



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Measuring the Internet – How?

- Four Focus Areas:
 - Internet Shutdowns
 - Enabling Technologies
 - Internet Resilience (Africa)
 - Internet Centralisation

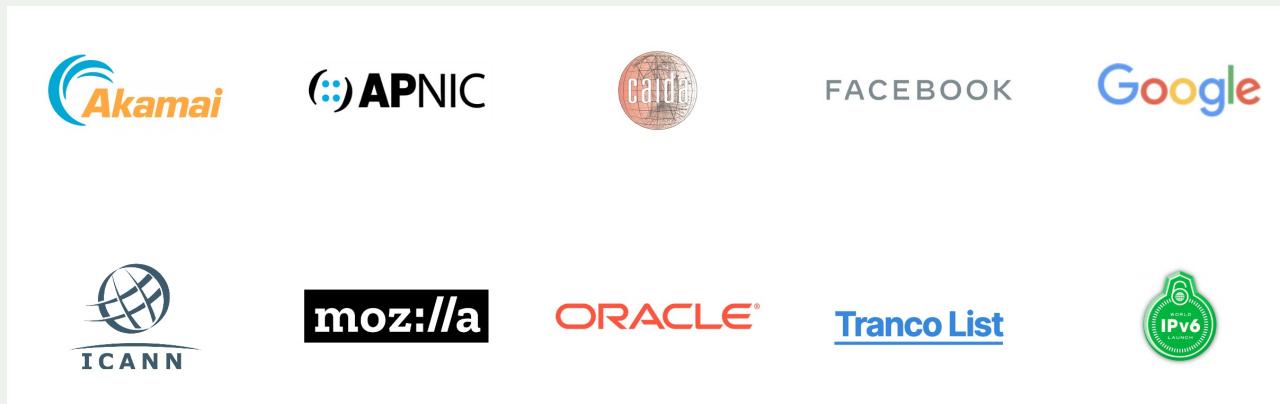


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Internet Shutdowns

- *An Internet shutdown is an intentional disruption of Internet-based communication, making it inaccessible or unavailable in a specific location.*
- Developing curated database of Shutdown events.
- Working with key partners to populate, archive, and verify events as they occur.
- Pulse supports queries by date, location, type, impact.
- Provide a platform for Internet Society Chapters in impacted countries to share their experiences and first-hand accounts of impacts on social and economic life.
- Partners include Center for Applied Internet Data Analysis (CAIDA), Oracle, AccessNow



Enabling Technologies

- *Enabling technologies contribute to improving the scalability, security, trust and availability of the open Internet.*
- We have data on IPv6, TLS1.3, DNSSEC, HTTP/3, and HTTPS
- Plan to add additional technologies over time
- Will help with local/regional advocacy around technology deployment initiatives



Internet Resilience

- *Resilience is the ability to provide and maintain an acceptable level of service in the face of faults and challenges to normal operation.*
- Initial scope is Africa, intention is to scale globally.
- Developing methodology
- Identifying initial target countries
- Building strategic relationships with key measurement, technical, and regulatory communities across the region.



Internet Centralisation

- We work with outside researchers to measure how “centralized” the inner workings of the Internet are.
- This includes everything from how many companies own fiber cables (the “arteries” of the Internet), to how many own Internet backbones
- The goal of this research is not to judge whether this centralization is “good” or “bad” for the Internet, simply to document it.



Stay Informed

Keep an eye on the Measuring the Internet project homepage for updates about Insights
<https://www.internetsociety.org/issues/measurement/>

Follow [@isoc_pulse](#) on Twitter.

Send an email to pulse@isoc.org if you want more information about the project or want to get involved.



Thank you.

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