

M-Lab

An open platform that researchers can use to deploy
Internet measurement tools



What's the problem?

- Connectivity problems can be hard to diagnose
 - Configuration errors
 - Application issues
 - Network issues between user and application
- Tools exist, but ...



Expanding the Reach

- Existing efforts on REN networks
 - Internet2 Observatory
 - Global perfSONAR activities
 - Internet2 member activities
- Commodity Internet measurement & Monitoring



Who is Involved?

- Measurement Lab Consortium
 - Modeled after IETF – individual members vs corporate sponsors
 - Limited number of measurement tools
 - Steering committee to guide initial development and deployment



Platform issues

- Need consistency: machines and network
- Servers
 - 3 servers per POP
 - Modern hardware: fast CPU, enough memory
- Networking
 - Local: gigabit or better from machine to Internet
 - Distributed: get servers close to users



“Scale it up”

- Collect more data
 - More data leads to better science
 - More data leads to better-informed policy
- Help more users
 - More resources for testing = more tests run
 - Better test results = better-informed users
 - Dare we hope... = better tech support?



More information

- <http://measurementlab.net/>





Welcome to Measurement Lab

Measurement Lab (M-Lab) is an open platform for researchers to deploy Internet measurement tools. By enhancing Internet transparency, we aim to help sustain a healthy, innovative Internet. [Learn more...](#)

What is M-Lab?

- About
- Who We Are
- FAQ
- Additional Resources
- Contact



Users: Test Your Internet Connection
Learn about your connection & support broadband research.



Researchers: Get Involved
Use and support this platform.

Measurement Lab is a partnership of the Open Technology Institute, the PlanetLab Consortium, Google Inc., and academic researchers.
[Privacy Policy & Acceptable Use Policy](#)

All original material on Measurement Lab by New America Foundation is licensed under a [Creative Commons Attribution-Noncommercial-Share Alike 3.0 United States License](#).
"User" and "Researcher" front page and sidebar icons licensed under LGPL, sourced from Oxygen Refit 2-Orange icon set.



Pent-up Demand?

