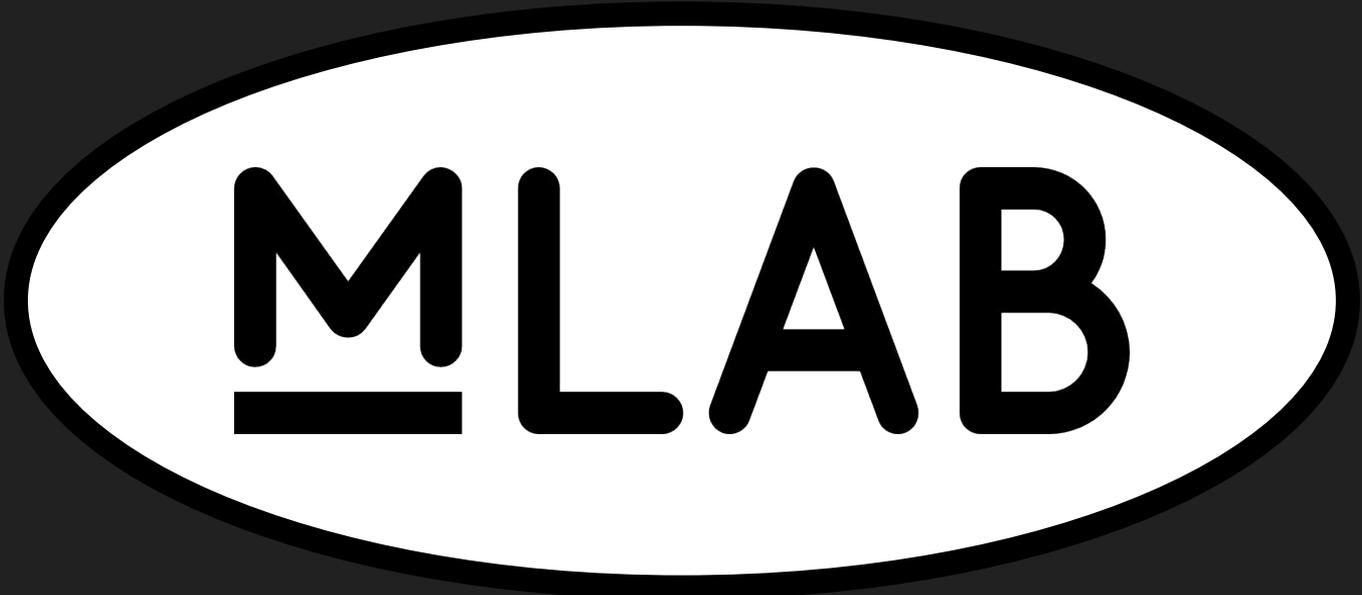


Measurement Lab Update

A Google/Open Technology Institute/Planet Lab
partnership

Peter Boothe <pboothe@google.com>
who works for Google but is not speaking for Google.
Talk given at CAIDA AIMS 2018



MLAB

Measure the Internet, save the data, make it
universally accessible and useful

Open source, open data, open science



A global footprint, and growing - <http://mlab-ns.appspot.com>

MLab is:

- A partnership
- 100% open source (as of summer 2017!)
 - <http://github.com/m-lab>
- 100% open data
 - Raw files at: gs://m-lab/ and gs://archive-mlab-oti (these will merge sometime soon)
 - Parsed SQL-queryable data at: <http://bigquery.cloud.google.com>
 - Processed visualizations of NDT data at: <http://viz.measurementlab.net>
- Looking for new treatments of existing data
 - > 1 Billion Paris Traceroutes
 - > 1 Billion NDT tests (+1 million/day)
 - > 1 PB of data
 - 9+ years of data
 - How can we process the data better?

MLab in 2018

- **Finish hardware refresh**
 - old boxes to new (more RAM, CPU, etc)
 - 1G to 10G uplinks (most places)
- **Finish software refresh**
 - docker instead of vservers
 - tcp_info over Netlink instead of Web100
 - make viz current again
- **New sites**
- **New experiments**
- **Improved data processing**
- **Less toil, more data, a better Internet**