

LMAP - Large-Scale Measurement of Broadband Performance



Background:

- Use Cases [RFC 7536]
- Framework [RFC 7594]
- Information Model [in progress]
- YANG Data Model [in progress]
- RESTCONF for LMAP [in progress]

Existing code (lmapd):

- lmapd is a daemon controlling the execution of measurement tasks and reporting tasks
- lmapd implements the YANG data model
- lmapd is written in plain C
- should be running fine on OpenWrt devices

Project ideas:

- Interface lmapd to libnetconf2 or sysrepo or ... to support RESTCONF
- Implement a controller that controls a number of measurement agents
- Implement a reporting task that sends results via RESTCONF to a collector
- Implement a collector receiving results and storing stuff in a database
- Packaging and integration into OpenWrt, Debian, Mac Ports, ...
- Internet measurement trials driven by lmapd
- Integration with the IPPM metrics registry