

YANG Data Model for LMAP

draft-schoenw-lmap-yang-02

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Changes since -01

- Alignment with information model changes
- Introduced actions (an encapsulation of a task with options and “destination” actions) to improve clarity (a schedule triggers actions while tasks are the inventory of things that can be triggered)
- Improved status objects, reported back to the information model
- Updated (validated) XML example serialization
- Added (validated) JSON example serialization

Implementation Status

- Started project to implement an execution engine based on the information and data model
- The daemon (lmapd) reads an XML serialization of the data model and starts tasks based on their schedules
- Buffers are implemented in such a way that measurement tasks can be as simple as 'ping'
- No protocol support yet (waiting for the WG to decide)
- Happy to share access to `git@cnds.eecs.jacobs-university.de:lmapd.git`

Protocol Selection

- Posted example exchange to the mailing list
- Posted protocol evaluation criteria response to the mailing list
- Configuration protocol based on RESTCONF and Call-Home is rather straight-forward
- Reporting protocol may need optimizations and perhaps discussions concerning push vs. pull

Next Steps

If (Protocol Selection == YANG/RESTCONF) {

Revise data model while building a prototype;

Keep information model around to allow experience gained by writing the data model and an implementation be feed into the information model;

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