Layer Independent OAM Management in the Multi-Layer Environment

LIME

IETF 96, Berlin

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Ron Bonica
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Administrativia

- Charter: http://datatracker.ietf.org/wg/lime/charter/
- Mailing List: https://www.ietf.org/mailman/listinfo/lime
- Other Documents: https://datatracker.ietf.org/wg/lime/documents/
- Scribe: ?
- Jabber scribe: ?
- Blue sheets
Agenda

• Administrative – Chairs
  – https://datatracker.ietf.org/wg/lime/charter/

• Data Models:

• draft-ietf-lime-yang-oam-model-07
  -> Review WGLC Comments and Pending Issues
  – “Generic YANG Data Model for Connection Oriented OAM protocols”
  – Michael Wang / Qin Wu
Agenda

- draft-kumar-lime-yang-connectionless-oam-05
  -> *Updates targeting adoption*
  - “Generic YANG Data Model for Connection Less OAM protocols”
  - Deepak Kumar

- Discussion - All

- Next Steps - Chairs
LIME Document Update

$ wgstatus lime

# Document Status Since 2016-04-08 00:00:00

## Updated WG-Docs
- draft-ietf-lime-yang-oam-model-07

## New IDs
- draft-jacpra-lime-yang-ais-01

## Updated IDs
- draft-txh-lime-gap-analysis-02
- draft-kumar-lime-yang-connectionless-oam-05

## Existing IDs
- draft-bhaprasud-lime-pm-00
- draft-lam-lime-summary-10-12-layer-independent-04
Thank you!
Applicability Matrix

- Success is when LIME is reused by other OAM’s models
- [https://trac.tools.ietf.org/wg/lime/trac/wiki/lime-applicability](https://trac.tools.ietf.org/wg/lime/trac/wiki/lime-applicability)
- Relevant Work:
  - SFC -> draft-xia-sfc-yang-oam
  - BFD -> draft-ietf-bfd-yang - draft-wang-yang-bfd-oam
  - TRILL -> draft-ietf-trill-yang-oam, draft-ietf-trill-yang-pm
  - MPLS -> draft-zheng-mpls-lsp-ping-yang-cfg
  - MPLS-TP -> draft-zhang-mpls-tp-yang-oam
  - TWAMP -> draft-ietf-ippm-twamp-yang
  - OOAM DT, BIER, SPRING -> NULL
Layer Independent OAM Management in the Multi-Layer Environment (lime)

LIME Applicability

<table>
<thead>
<tr>
<th>OAM Documents</th>
<th>C-O/CL?</th>
<th>OAM YANG Models</th>
<th>C-O/CL augments LIME</th>
<th>Augments Latest LIME</th>
<th>Notes</th>
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<tr>
<td>SFC</td>
<td>draft-xia-sfc-yang-oam</td>
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<td>BFD</td>
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<td>CL</td>
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<td>Y/N</td>
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<td>TRILL</td>
<td>draft-ietf-trill-yang-oam, draft-ietf-trill-yang-pm</td>
<td>C-O</td>
<td>Y</td>
<td>Yes but requires update for fully alignment</td>
<td>TBD</td>
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<td>draft-zhang-mpls-lsp-pegging-yang-cfg</td>
<td>CL</td>
<td>Y/N</td>
<td>Y/N</td>
<td>TBD</td>
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<td>draft-zhang-mpls-tp-yang-oam</td>
<td>C-O</td>
<td>lime author has contacted with Vero, the update is required for alignment</td>
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<td>In discussion with MPLS-TP OAM draft author</td>
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