Layer Independent OAM Management in the Multi-Layer Environment (LIME)

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Pointers

- Charter: http://datatracker.ietf.org/wg/lime/charter/
- Mailing List: https://www.ietf.org/mailman/listinfo/lime -

What we will work on

- The working group will work on the following deliverables:
  - **YANG data model(s)** for generic layer-independent and technology-independent configuration, reporting and presentation for OAM mechanisms.
  - An **architecture** for OAM that can be used as guidance by other IETF working groups developing new OAM protocols or modifying existing OAM protocols, at any layer and for any technology. This guidance will cover both the management and data planes. Existing OAM architectures will be reviewed.
  - **Applicability** document: The YANG model(s) specified in this working group must be usable and extensible by the existing OAM technologies. This usability and extensibility must be demonstrated, for example with IP Ping, traceroute, BFD, and LSP Ping. Note the technology-specific data model extensions should ideally be worked on in the respective working groups.
- Needed coordination with RTG Area

Constraints

- The working group will **explore and document use-cases** for converged management of OAM in multi-layer and multi-technology networks that triggered this work. The use cases will consider scenarios that include (but are not limited to) those that rely upon a **centralized control point** responsible for the overall OAM management **and** those that assume the **delegation of layer-specific OAM** management control points. **The working group will decide later whether the use case document needs to be published as an RFC**.
- If the working group finds it necessary to work on an **information model** before the data model, it might do so. The working group will decide later whether the information model needs to be published as an RFC.
- The initial scope is restricted to a **single administrative** domain and may be extended for inter-domain scenarios in future as and when a need rises.
- The working group **will not develop any new OAM protocols**.
- The LIME WG is **not chartered** to work on information or data models specific to any data plane or forwarding plane technology that is developed **outside of the IETF**

Our First Meeting

- IETF 91, Thursday November 13, 2014 13:00
- See you there!!!

Agenda

- Charter Discussion (13:10 - 13:30)
- Problem Statement (13:30-13:50) - draft-edprop-opsawg-multi-layer-oam-ps - Qin Wu
- CFM Intro (13:50:14:10) - Norman Finn
- YANG model for OAM (14:10-14:30) - draft-tissa-lime-yang-oam-model – Tissa
- Use Cases and Requirements for LIME (14:30-14:40) - draft-king-opsawg-lime-multi-layer-oam-use-case - Dan King
- Gap Analysis for LIME (14:40-14:45) - draft-txh-opsawg-lime-gap-analysis-00 - Yuji Tochio
- Exisiting Support for Network Operations in Multilayer Transport Networks (14:45-14:55) - draft-lam-summary-L0-L2-layer-independent-01
- Wrap (14:55-15:00) - Chairs

Thank you!