MPLS YANG Activities Report

MPLS Working Group

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Objective

- Compile set of active MPLS related YANG models

- Highlight outstanding MPLS related YANG models and plan

- Directives to active YANG model authors

MPLS RSVP-TE YANG models

- draft-saad-teas-yang-te-02 *(active)*
  draft-saad-teas-yang-rsvp-02 *(active)*
  - on ietf93 TEAS WG agenda
  - driven by TE multi-vendor design team
  - defines generic TE/RSVP models
  - MPLS/Packet is augmentation (covered by existing drafts)
- draft-openconfig-mpls-consolidated-model-00 *(active)*
  - driven by Open-Config multi-operator team
  - defines MPLS centric consolidated model
  - covers constrained LSPs (RSVP-TE) and unconstrained LSPs (LDP)
- draft-zhang-mpls-lspdb-yang-00 (expires Sept 2015)
  - defines generic LSP state model
- draft-chen-mpls-te-yang-cfg-00 *(expired)*
- draft-gandhi-mpls-te-yang-model-02 *(expired)*

MPLS TE Topology YANG models

- draft-ietf-teas-yang-te-topo-01 draft-liu-yang-ted-00 *(active)*
  - on ietf93 TEAS WG agenda
  - defines generic TE topology
  - MPLS TE topology is via augmentation to the generic model (covered by existing draft)

MPLS (m)LDP YANG models

- draft-raza-mpls-ldp-mldp-yang-00 *(active)*
  - on ietf93 MPLS WG agenda
  - covers LDP and MLDP
- draft-chen-mpls-ldp-yang-cfg *(expired)*

MPLS OAM YANG models

- draft-zheng-mpls-lsp-ping-yang-cfg *(active)*
  - on the IETF93 agenda
  - covers MPLS LSP Ping YANG model
- draft-zheng-bfd-yang-03 *(active)*
  - Not presented at ietf93
  - To cover MPLS BFD YANG model, but not defined yet
- draft-zhang-mpls-tp-yang-oam-00 *(expired)*
  - covers MPLS TP OAM YANG model

MPLS Segment-Routing YANG model(s)

- draft-ietf-spring-sr-yang-00 *(active)*
  - Covers generic and basic MPLS SR
  - MPLS SR-TE will be covered by generic TE model
- Segment Routing Traffic-Engineering (SR-TE)
  - Augmentation to existing TE generic model in draft-saad-teas-yang-te-02 is possible

MPLS Static/TP YANG model(s) (outstanding)

- – TE multi-vendor YANG design team has interest in covering this
- – Augmentation to existing TE generic model is possibility (under consideration)

MPLS Base YANG model (outstanding)

- MPLS models can possibly hang down of mpls:
  - /routing/routing-instance/routing-protocols/mpls/

        ../te
        ../ldp
        ../etc.

  - Outstanding discussion on what data nodes to include in MPLS base model

Summary

- Routing Area YANG Coordinators area link:
  - http://trac.tools.ietf.org/area/rtg/trac/wiki/RtgYangCoord
- Authors requested to keep the wiki table updated
  - instructions for completing a table row for a YANG model draft are provided. Look for section with red text "== YANG MODEL AUTHORS LOOK HERE =="
- Add the intent to start on new drafts/areas so others are also aware