Management Information Base for MPLS LDP Multi Topology
draft-li-mpls-ldp-mt-mib-03

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IETF84   Vancouver

Overview

- The MIB is for on draft-ietf-mpls-ldp-multi-topology. It is an extension to RFC3813, 3815

- There are 2 notifications and 8 tables in the MIB
  - MPLS LDP MT Notifications
    - mplsLdpMtLspUp, mplsLdpMtLspDown
  - mplsLdpMtObjects
    - mplsLdpMtEntityObjects
      - mplsLpMtEntityLastChange, mplsLdpMtEntityIndexNext, mplsLdpMtEntityTable, mplsLdpMtEntityStatsTable
    - mplsLdpMtSessionObjects
      - mplsLdpMtSessionLastChange , mplsLdpMtSessionTable
    - mplsLdpMtLspObjects
      - mplsLdpMtInSegmentTable, mplsLdpMtInSegmentStatsTable, mplsLdpMtOutSegmentTable, mplsLdpMtOutSegmentStatsTable, mplsLdpMtLspLastChange, mplsLdpMtLspIndexNext, mplsLdpMtLspTable

Table Introduction (1)

- MPLS LDP MT Entity Table
  - an extension to mplsLdpEntityTable [RFC3815] to setup potential LDP MT Sessions
  - Each entry/row in this table represents a single LDP MT Entity

- MPLS LDP MT Entity Statistics Table
  - provides MPLS Multi Topology performance information on a per-interface basis

- MPLS LDP MT Session Table
  - Each entry in this table represents an MT Session which is related to one or more LDP MT entities.

- MPLS LDP MT In-segment Tables
  - statistical information for LDP MT in-segments

Table Introduction (2)

- Mpls Ldp Mt In-segment Stats Table

  – statistical information for LDP MT in-segments to an LSR

- MPLS LDP MT Out-segment Tables

  – statistical information for LDP MT out-segments.

- MplsLdpMtOutSegmentStatsTable

  – statistical information for LDP MT out-segments to an LSR

- MPLS LDP MT LSP Table

  – MT LIB label switching information

Notifications

- MPLS LDP MT Notifications
  - mplsLdpMtLspUp, mplsLdpMtLspDown
  - when there is an appropriate change in the mplsLdpMtLspOperStatus object

Next Step

- Comments
- adopted as a WG draft