

MPLS-TP TE MIB

draft-ietf-mpls-tp-te-mib-00.txt

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Motivation

- The existing MPLS TE [RFC3812] and GMPLS MIBs [RFC4802] do not support the transport network requirements of NON-IP based management and static bidirectional MPLS tunnels.

Updates

- Draft was adopted as a WG document “draft-ietf-mpls-tp-te-mib”
- Retained the definition of MPLS Tables and made amends to re-use them for TP tunnels as well.
- Split the MIB extensions into multiple MIB extensions
- Incorporated comments from many, including MIB doctors

MPLS TP extensions to TE MIB

- MPLS Tunnel Table in MPLS-TE-STD-MIB is used for MPLS TP tunnels as well
- Local ID is used to map MPLS TP ID's to Table indices, in order to reuse the existing definition of MPLS Tunnel Table.
- MPLS Tunnel Table is extended to support MPLS TP specific objects
- A cross connect pointer to the identify bidirectional tunnels
- TC MIB extensions, LSR MIB extensions and MPLS ID MIB are at present co-located in this draft

Next Steps

- Publish the following MIBs as separate WG documents
 - MPLS TC MIB extensions
 - MPLS LSR MIB extensions
 - MPLS ID MIB
- Additional comments/review are requested.

Additional MPLS TP MIBs We Are Working On

To support MPLS TP OAM requirements, more MIBs are being added and will be published soon:

- BFD extensions to support MPLS LSP' s including TP
- MPLS TP OAM MIB to support identifiers
- MPLS TP Protection Schemes (LPS, RPS and MPS) support using MIB

Thank You