

YANG Models for MPLS-TE Topology

TEAS WG, IETF111, Virtual Meeting

draft-busizheng-teas-yang-te-mpls-topology-01

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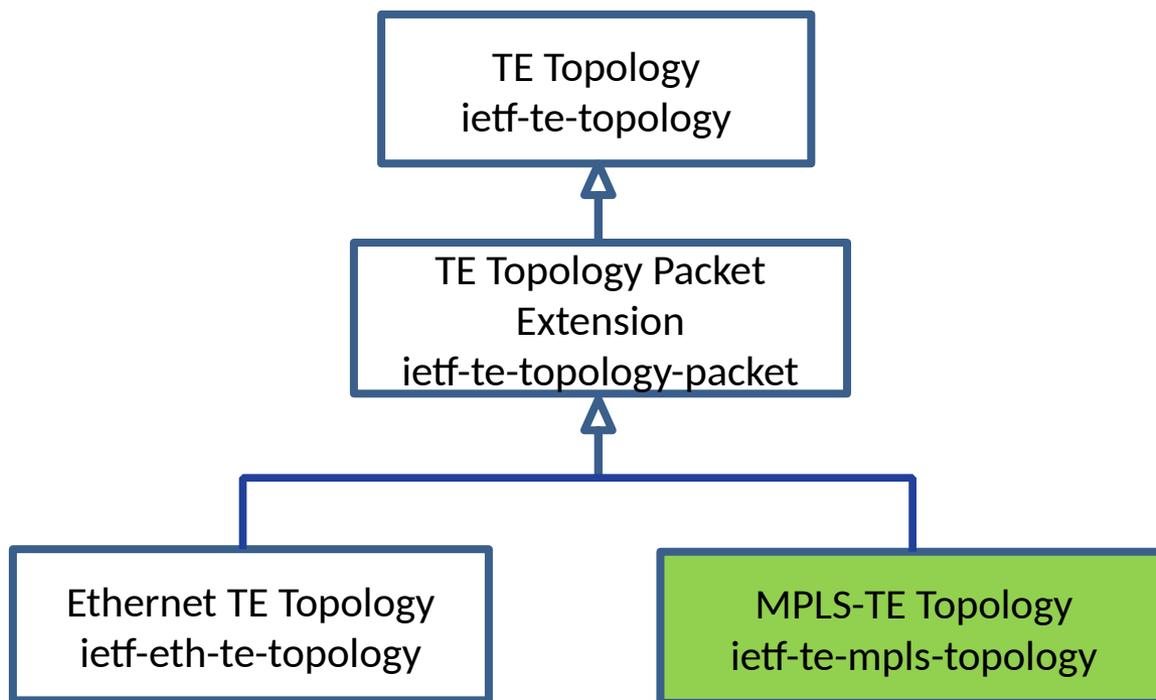
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History

- Replaces draft-busizheng-teas-mpls-tp-yang
- Presented at IETF 104
 - Feedback from TEAS WG: TP is a profile of TE, not its own thing. It would be the best to integrate with TE models
- Follow-up discussions with TE YANG
 - MPLS-TE Topology (this draft)
 - Update MPLS-TE Tunnel (draft -ietf-teas-yang-te-mpls)
 - GH: <https://github.com/tsaad-dev/te/pull/104>
- Output of the discussion shared on TEAS and MPLS WG mailing lists on July 13, 2020

Approach

- MPLS-TE Topology augments Packet TE Topology (as discussed at IETF 106)



Changes from IETF 110

- Moved common packet definitions (applicable to MPLS-TE but also to Ethernet) to te-packet-types in draft-ietf-teas-yang-l3-te-topo-11
 - bandwidth-profile-type identities
 - te-packet-path-bandwidth and te-packet-link-bandwidth groupings
 - **NEW** bandwidth-scientific-notation type
- Moved te-bandwidth augmentations (per RFC8795 guidelines) for packet technologies (MPLS-TE or Ethernet) to te-topology-packet in draft-ietf-teas-yang-l3-te-topo-11
- Git: <https://github.com/tsaad-dev/te>
 - Written in kramdown

Open Issues & Next Step

- MPLS TE-label augmentation for label availability?
 - Assumption #1: label allocation done by NE
 - Assumption #2: MPLS-TE tunnels single-domain
- Ready for WG adoption