

L2L3 VPN Multicast MIB
(draft-ietf-bess-l2l3-vpn-mcast-mib)

BGP/MPLS Layer 3 VPN Multicast MIB
(draft-ietf-bess-mvpn-mib)

Hiroshi Tsunoda
on behalf of authors of the two documents

Current status

- **L2L3 VPN Multicast TC-MIB & L2L3 VPN Multicast MIB**
(draft-ietf-bess-l2l3-vpn-mcast-mib-9)
 - Separated Textual conventions and actual management objects into different MIB modules
 - Enrich DESCRIPTION clause to improve readability
 - Now revising according to the latest MIB doctor's review
 - New version will be submitted after the IETF meeting
- **BGP/MPLS Layer 3 VPN Multicast MIB**
(draft-ietf-bess-mvpn-mib-04)
 - Now revising according to the latest MIB doctor's review
 - Some more considerations on MIB design is required
 - Please review and comments

Purpose of MIB modules

- **L2L3 VPN Multicast TC-MIB & L2L3 VPN Multicast MIB**
 - Providing Textual Conventions to represent tunnel type and identifier
 - Providing P-tunnel information to other MIB modules designed for monitoring and/or configuring L2L3 VPN Multicast
- **BGP/MPLS Layer 3 VPN Multicast MIB**
 - Monitoring operational information of L3VPN multicast on PEs
 - Configuration MVRFs and PMSIs on PEs
 - Notification
 - Creation / Deletion / Modification of MVRF

Coverage and applicability of MIB modules

- **BGP/MPLS Layer 3 VPN Multicast MIB currently does not have information objects to represent**
 - Counters for
 - malformed PMSI Tunnel attribute
 - malformed PE Distinguisher Label attribute
 - Configurable timer to control the delay that a PE/ASBR/route reflector withdraw C-multicast routes
 - Configuration variables to place limitations on
 - The rate of BGP message
 - The number of S-PMSI A-D routes, Source Active A-D routes
 - How frequently S-PMSI A-D routes, Source Active A-D routes may be originated
 - total number of (C-*,C-G) and/or (C-S,C-G) states per VRF
 - total number of P-tunnels per VRF used for S-PMSIs
 - total number of P-tunnels traversing a given P routes

What's next

- **Seek input from BESS WG**
 - Is there any information that should be **included** in or **removed** from these MIB modules?
 - e.g., Flags in PMSI Tunnel Attribute are required information for operation and/or management?
 - Comments on use case scenarios of MIB modules are really helpful
 - *Please watch mailinglist!*
- **Update taking into account MIB doctor's review and inputs from BESS WG**