

L2/L3VPN MCAST MIB

draft-zzhang-l2l3-vpn-mcast-mib-00

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Background

- Both L3 MVPN and VPLS Mcast protocols use P-Multicast Service Interfaces (PMSIs)
 - A conceptual "overlay" on the P-network
 - Instantiated by P-tunnels
 - Carry C-multicast traffic
 - Advertised by PMSI A-D routes
 - PMSI Tunnel Attribute signals tunnel information
- Both L3 MVPN MIB and VPLS Mcast MIB have related objects

Common MIB Definitions

- L2L3VpnMcastProviderTunnelType
 - A Textual Convention for tunnel types
- I2L3VpnMcastPmsiTunnelAttributeTable
 - L2L3VpnMcastPmsiTunnelAttributeEntry ::= SEQUENCE
 { I2L3VpnMcastPmsiTunnelAttributeFlags OCTET STRING,
 I2L3VpnMcastPmsiTunnelAttributeType Unsigned32,
 I2L3VpnMcastPmsiTunnelAttributeLabel MplsLabel,
 I2L3VpnMcastPmsiTunnelAttributeId OCTET STRING,
 I2L3VpnMcastPmsiTunnelPointer RowPointer,
 I2L3VpnMcastPmsiTunnelIf RowPointer }
 - L3MVPN MIB and VPLS Mcast MIB have row pointers to entries in I2L3VpnMcastPmsiTunnelAttributeTable

Status & Plan

- L3 MVPN MIB is an L3VPN WG item
 - Plan to request WG LC in November
 - Need to adopt and progress draft-zzhang-l2l3-vpn-mcast-mib
- Request review & comment
 - Adoption & progress need consensus in both WGs