draft-ietf-ppvpn-mpls-vpn-mib-00.txt

MPLS/BGP VPN MIB

51st IETF

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Overview

- Models MPLS/BGP VPN instances on PE/CE based on RFC2547bis. The collective group of instances form the VPN.

- VPN-enabled interfaces (VRFs)

- VRF configuration/provisioning

- VFF statistics/performance

- VRF routing/forwarding database

- RD/RT configuration

- Notifications
  - Currently VRFup/down and illegalLabels Received

Changes Since Last Version

- Minor changes, largely related to compilation errors in previous versions.

- Removed mplsVpnVrfRouteTargetImport/Export from route target table, and modified indexing to better reflect distribution policy.

- Added new object called mplsVpnVrfRouteTargetType which denotes import/export policy for the specified route target.

Changes Since Last Version (continued)

- Added mplsVpnInterfaceConfRowStatus which allows for an interface to be associated with a VPN through SNMPconfiguration.

- Added VrfName to index of VrfInterfaceConfEntry which allows

- interfaces to be associated with the appropriate VRF.

Changes Since Last Version
(Continued 2)

- Modified description of mplsVpnVrfConfMaxPossibleRoutes and
- mplsVpnVrfConfMaxRoutes to allow for undetermined value.
- Removed 'both' enumerated value in mplsVpnVrfBgpNbrRole.
- Updated example to reflect these changes.

Open Issues

- More performance counters?

- More notifications

- Currently lots of service provider input from real deployments. We need more input, especially for additional notifications and performance.

- We will issue new version shortly.