BGP MIBv2 Update

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Status

- Structurally stable

- Rumors of implementation in progress

- Bert Wijnen pointed out a number of minor errors that were corrected in -13.

Version -13 updates

- Changed table BGP4V2PrefixCountersEntry to BgpV2PrefixGaugesEntry to fix a incomplete rename from several versions of feedback ago.

- Add ranges to bgp4V2NlriIndex and bgp4V2AdjRibsOutIndex

Version -13 updates

- Correct bgp4V2NlriAtomicAggregate from INTEGER to TruthValue.

- Update compliance statement to remove warnings.

"What's a prefix" in the NLRI table?

- As part of discussion with Jeffrey Zhang, who is working on the MVPN MIB, we discovered that the goal of making the MIB generic for many types of BGP reachability has not been fully met.

  - InetAddress/InetAddressType Textual-Conventions owned by ietfmibs group.

A new BGP Prefix TC?

- Discussion of this issue with them suggested that for BGP reachability we should probably end up with our own TC.

    - Such a TC would initially mirror the IPv4/IPv6 code points in the INET-ADDRESS-MIB.

    - The TC MIB should be an "IANA owned" TC MIB to permit easy revision.

Next Steps

- Still waiting on public implementations to progress on standards track.

- We should resolve the Prefix TC issue before pushing to progress the draft. IDR would be stuck with only IPv4/IPv6 in the MIB if we don't.