BGP YANG Model
draft-ietf-idr-bgp-model-15

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Status (-15)

• Securing BGP session
  – Updated TCP YANG model to add keychain/TCP-AO/TCP-MD5
  – Removed TCP-AO/MD5 from BGP model
  – Example updated in Appendix

• Cleanup
  – Order of type fields in an union (yes, it matters)

• Policy model rework
  – Match AFI/SAFI
  – Match neighbors

• Added example for BGP Policy
  – Match next-hop and set-community
Issues

• Tracked here
  – https://github.com/mjethanandani/ietf-bgp-yang/issues

• Major issue
  – No as-path regex (Issue #91)
    • Regular expression supported, but not normalized
    • Open a separate issue to track that
  – Replace peer AS in the AS Path (Issue #70)
    • Similar to as-override
  – ext-community-sets (Issue #89)
    • have previously referenced issues with types
    • route-targets don’t use any usable key words (types 0,1,2,6 with subtype of 2)
    • How is match supposed to work vs generated extended community
Next Steps

• 97% there
• Some cleanup, mostly editorial
  – Reference to the newly minted BFD YANG module
• Expect the model to be ready for publication by IETF 115
  – 7 years and counting since -00 was published