A YANG Data Model for BGP-LS, and BGP-LS-SPF
draft-ietf-lsrvr-bgp-ls-yang

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Introduction

• Configuration and management of
  – BGP-LS
  – BGP-LS-SPF
• Also defines a model for Link State dB
Design

• Augments BGP YANG model at
  – Global AFI/SAFI level
    • Prefix Limits, Instance identifiers, Algorithm types and node status.
    • Link to lsdb
  – Neighbor AFI/SAFI level
    • Prefix limits and other relevant configuration
  – Global AFI/SAFI statistics container
    • Updates sent/received for BGP-LS
    • Scheduled, Computed, Max/Min/Avg duration for BGP-LS-SPF
  – Neighbor AFI/SAFI statistics container
    • Something similar for neighbor level
Next Steps

• Address two open issues
  – Add ability to clear statistics
  – Add example for configuration instance
Code and Issues

• Tracked here
  – https://github.com/mjethanandani/bgp-ls/