North-Bound Distribution of Link-State and TE Information using BGP

draft-ietf-idr-ls-distribution-01

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Updates

• Added Saikat Ray as co-author
  – Good level of implementers views incorporated
• Minor editorial nits
• Addition of IPv4 and IPv6 “Anchor” Prefixes
BGP TE/LS NLRI types explained

- **IPv4 Prefix NLRI subtype**
  - IPv4 Prefix 192.168.1.1
  - BGP-TE/LS
- **Node NLRI subtype**
  - BGP nexthop 192.168.1.1
  - BGP-TE/LS
- **Link NLRI subtype**
  - BGP-TE/LS

Diagram:
- R1
- R2
- 10/8
  - BGP, SAFI 1
  - IPv4 Prefix 192.168.1.1
  - BGP nexthop 192.168.1.1
Outlook & next steps

• New requirement to report existing RSVP p2p / p2mp LSPs.
  – Converge on draft-dong-idr-te-lsp-distribution
• Two independent implementations expected by Q1 2013
• Interoperability report