draft-ietf-idr-segment-routing-te-policy

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Overview & Status

• BGP SR Policy SAFI introduced for signaling of SR Policies from controllers to headend(s) via BGP
  • It is the companion document of draft-ietf-spring-segment-routing-policy and covers the BGP protocol encoding part only

• Stable draft with multiple implementations and deployments
  • First individual draft version posted in 2016
  • WG adopted in 2017
  • Last presented in IETF 106

• The SR Policy Architecture (draft-ietf-spring-segment-routing-policy) is also getting ready to for WGLC in SPRING WG
Overview of Updates (in the past year)

• Changes related to alignment with SR Policy Architecture Draft
  • Existing “name” sub-TLV was for SR Policy Candidate Path Name
  • New sub-TLV added for SR Policy Name

• Clarification for the use of Route Origin Community

• Changes related to SRv6 for alignment with SRv6 Network Prog Draft
  • Details in the next slide

• IANA Considerations updated to refer to Tunnel Encaps draft where
  the Color ExtComm Flags field registry is now created

• Other editorial fixes, clarifications and nits (thanks to the WG for
  pointing them out!)
Alignment with SRv6 Network Prog. Draft

• Introduction of the SRv6 Binding SID sub-TLV
  • MAY have multiple BSIDs associated to the same SR Policy
  • Also indicate the desired behavior
  • Clarifications on the use of existing Binding SID sub-TLV for SRv6

• Updated SRv6 Segment Types (B, I, J & K)
  • Enabled the optional signaling of Algorithm, SRv6 Endpoint Behavior and SID structure
  • Previous sub-TLVs are proposed to be deprecated to ensure no backward compatibility issues (now kept in the appendix)
Next Step – Preparing for WGLC

• Implementation report is updated (with 2) but aware that there are more (please update)


• Plan for WGLC once the SR Policy Architecture WGLC is done in Spring WG?