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
  • Now prepare for WGLC ...

• The SR Policy Architecture (draft-ietf-spring-segment-routing-policy) is also stable with multiple implementations and likely to start WGLC soon in SPRING WG
Overview of Updates in v08

• Error Handling aspects consolidated
• IANA Considerations updated
• Security Considerations added
• Updated text to reflect the discussion on use of RT on the list
• Align with Segment Types updated in SR Policy draft to avoid mix-up with codepoints
• Updated codepoints allocated via Early Allocation process
• Minor editorial updates
Error Handling

• Consolidated all Error Handling procedures in a new Sec 5 that covers these aspects
• Treat-as-withdraw for all errors related to TLVs/sub-TLVs and procedures defined in this document
• AFI/SAFI disable or session-reset for errors when the NLRIs cannot be parsed
• Clarified that Semantic Validation of information in TLVs/sub-TLVs that are consumed by SR Policy processing (i.e. not used by BGP) is not performed by BGP.
IANA Consideration

• Add request for new Registry for Color Extended Community Field for the 2 CO (color-only) bits defined in this document
• Changed allocation policy to Specification Required since the flags and some other fields are very small space for FCFS policy
• Added guidance for DE
Next Step – Preparing for WGLC

• Request WG review & inputs
• Update implementation report on IDR wiki