draft-ietf-spring-segment-routing-policy-08

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Overview

SR Policy Architecture draft covers:
• SR Policy Framework & Information Model
• Segment Routing Database used for SR Policy
• SR Policy Segment Types
• Validation of Candidate Path and Selection of Active CP
• Binding SID Concept & Usage
• Steering Mechanisms for SR Policy
• Protection Mechanisms
Draft Progression

• Individual draft first presented at IETF 98
• Adopted as WG document after IETF 101
• Was last presented at IETF 102

• Since then most of the discussions, reviews and updates have happened over mailing-list and some offline

• Draft has wide spread implementation across multiple vendors and deployments with multiple operators
Summary of Updates

• Clarifications on Protocol-Origin “Priority” values and their role in the active Candidate Path selection
• Move of BGP protocol specific aspects related to Originator information moved into draft-ietf-idr-segment-routing-te-policy
• Clarification about option of preferring installed/active Candidate Path in the tie-breaker rules
• Clarifications on SR Policy and SR Policy Candidate Path Names and their semantics
• Explanation of Explicit Candidate Path to enable ‘pop, lookup and forward’ semantics for BSID based steering mechanism
Summary of Updates – contd.

• Alignment of SRv6 related terminologies and segment-types with draft-ietf-spring-srv6-network-programming
• Setup of IANA Registry for SR Policy Segment Types
• Updated Security Considerations

Also many editorial changes and clarifications based on WG inputs
Next Steps ...

• Feedback received off-list and some discussions on-list for including examples of Candidate Path signalling from different sources and use of tie-breaker for selection of active Candidate Path
  • Propose to add those examples (from draft-filsfils-spring-sr-policy-considerations) in the appendix of this document

• Ongoing discussion about use-case for “composite constraints” for an SR Policy

Please continue reviews and provide feedback on the document