



IETF 108 – Online
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SPRING Working Group

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