Segment Routing Mapped to IPv6 (SRm6)

A Roadmap to the SRm6 project
(Previously known as SRv6+)
Draft-bonica-spring-srv6-plus-06
Changes Since IETF 106

• Title changed
  • At WG request
• Binding SID added
• New Co-author added
  • Luay Jalil, Verizon
## SRm6 Document Suit

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New Draft – CRH Helper Option

• Idea conceived by Xing Li, Congxiao Bao and Eddie Ruan
• New IPv6 option
• Included in Destination Option header before Routing header
• Provides mapping of 16 or 32-bit SID to 128-bit IPv6 address
  • For selected segment ingress nodes
  • Nodes that cannot participate in SRm6 control plane
• Contains SFIB Helper List
  • Low SID
  • High SID
  • Prefix
Development And Deployment

• POC Code
  • Juniper – LINUX-based
  • Juniper – ASIC-based (MX-series)
  • Liquid – Tool kit based

• Deployment
  • Liquid Telecom
  • Other’s to be announced soon
Drafts That Remain To Be Written

• OSPF Extensions
• YANG Model
Ask

- Please review the most mature drafts ASAP
- Once they are implemented and deployed, changes become more problematic