 draft-ali-spring-srv6-oam-02.txt
SRv6 OAM

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History of the Draft

• draft-ali-6man-srv6-oam-00 was published in July 2017.
  – Main draft describing use-cases including classic ping and traceroute in SRv6 networks.

• draft-ali-6man-srv6-oam-01 was published in October 2017.
  – Revision with editorial changes.

• draft-ali-spring-srv6-oam-00.txt was published in Feb 2018.
  – Added SRv6 ping and traceroute.
  – Added SRv6 segment-by-segment ping and overlay traceroute.

• draft-ali-spring-srv6-oam-01.txt was published in July 2018.

• draft-ali-spring-srv6-oam-02.txt was published in October 2018.
Summary of Changes

• draft-ali-spring-srv6-oam-01.txt was presented at the 6man and Spring WG at IETF102.

• Summary of changes in Rev 2 are as follows:
  – Suggest to move O-bit flag to draft-ietf-6man-segment-routing-header.
  – Editorial changes
Scope of the Draft

• The document describes how existing ICMP mechanisms can be used in SRv6 Network.

• The document does not propose any changes to the SRH or IPv6 data plane.

• The document does not make any changes to ICMP procedures.

• The document requests one ICMPv6 Message type from the "ICMPv6 type Numbers" registry.
  – SRv6 OAM Message (Value: TBD) and an associated sub-registry.
Use Cases (I-D illustrations – cont’ed)

• Classic Ping and Traceroute

• SRv6 Ping
  – End-to-end
  – Segment-by-segment

• SRv6 Traceroute
  – Hop-by-hop
  – Segment-by-Segment (Overlay Traceroute)

• SRv6 Paths Monitoring
  – Applicability of draft-ietf-spring-oam-usecase-10 to SRv6 Networks
Next Steps

• Multiple implementations exist.
• Draft –v02 does not have any dependency on 6man WG.
• The authors will be requesting Spring WG for adoption of this work.