Export of Path Segment Identifier Information in IPFIX

draft-ietf-opsawg-ipfix-path-segment

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Recap

➢ IPFIX: IP Flow Information Export protocol, serves as a means for transmitting Traffic Flow information over the network.

- Information Element(IE): a description of an attribute that may appear in an IPFIX Record

➢ For SR-MPLS and SRv6, the segment list is not always the best key identifier for a traffic flow, as already discussed in SPRING for path segment

- RFC9545: SR-MPLS Path Segment
- draft-ietf-spring-srv6-path-segment: SRv6 Path Segment

➢ PSID would benefit the SR IPFIX flow visibility based on the similar reasons ------> This document

- IPFIX for SRv6 PSID: **srhPsidIPv6,** the 128-bit IPv6 address that represents an SRv6 PSID
- IPFIX for SR-MPLS PSID: **psidMpls,** 3 octets, the Label, Exp, and S fields from the label stack entry that carries an SR-MPLS PSID

Updates since IETF123

- Draft is adopted by OPSAWG
- Thanks Chongfeng Xie and Thomas Graf for the review and comments
- Besides SRv6 PSID, IPFIX for **SR-MPLS PSID** is covered
- “PSID Usecases” section added on how PSID benefits the SR IPFIX flow visibility
- “Operational Considerations” section refined

Next Steps

- Welcome feedback and comments !

Thank You !