

Export of Segment Routing IPv6 Information in IPFIX

draft-ietf-opsawg-ipfix-srv6-srh-07

Enabling insights in SRv6 forwarding plane
by adding Segment Routing dimensions

thomas.graf@swisscom.com
benoit.claise@huawei.com
pierre.francois@insa-lyon.fr

18. March 2023

SRv6 @ IPFIX

Draft Status

- Many thanks Med for the shepherd review.
- Many thanks Paul Aikten for the IPFIX doctor review.
- Comments have been addressed in -07 version.
- Changed IE naming
 - From `srhSegmentIPv6sLeft` to `srhSegmentsIPv6Left`
 - From `srhSectionIPv6` to `srhIPv6Section`
 - From `srhActiveSegmentIPv6Type` to `srhIPv6ActiveSegmentType`
 - From `srhSegmentLocatorLength` to `srhSegmentIPv6LocatorLength`
 - From `srhSegmentEndpointBehavior` to `srhSegmentIPv6EndpointBehavior`
- Simplified "Multiple Segment Routing Headers" operational considerations section.

SRv6 @ IPFIX

Next Steps

- Concerns by Paul Aitken have been raised on content duplicity with `srhSegmentIPv6ListSection` and `srhSegmentIPv6BasicList`.
- "SRv6 Segment List" operation considerations sections describes that `srhSegmentIPv6BasicList` requires additional compute on exporter which are for some but not all implementations a concern.
- This implementation concern has been addressed with `srhSegmentIPv6ListSection` and validated at IETF 115 hackathon with `pmacct` (<https://github.com/pmacct/pmacct>) where the decomposition is performed in the IPFIX data-collection.

thomas.graf@swisscom.com
benoit.claise@huawei.com
pierre.francois@insa-lyon.fr

18. March 2023