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draft-ali-spring-ioam-srv6-01

Segment Routing Header encapsulation for In-situ OAM Data

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Summary of the Draft

- Defines how iOAM data fields defined in [[I-D.ietf-ippm-ioam-data](#)] are transported in SRv6 Networks.
- iOAM data field are carried in the SRH, using a single SRH TLV.
- Defines procedure for the Ingress node.
- Defines processing at the Segment Endpoint Node.
- Defines procedure for the Egress node.
- The draft does not introduce any new procedure or iOAM encoding defined in IPPM WG.

Procedure – Ingress Node

- Ingress node MAY insert pre-allocated IOAM TLV in the SRH of the data packet.
- The ingress node MAY also insert the IOAM data about the local information in the IOAM TLV in the SRH.

Procedure – SR Segment Endpoint Node

- If an intermediate SR segment endpoint node is not capable of processing IOAM TLV, it simply ignores it. I.e., it does not have to look or process SRH TLV.
- If an intermediate SR segment endpoint node is capable of processing IOAM TLV and the local SID supports IOAM data recording, node records the IOAM data at the desired pre-allocated space.

Procedure – Egress Node

- The processing of IOAM TLV at the Egress node is similar to the processing of IOAM TLV at the SR Segment Endpoint Node.
- The Egress node may telemeter the IOAM data to a controller.

Next Steps

- The authors would like to request WG for the review and the feedback.
- The authors would like the WG to adopt the document.