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draft-ali-spring-ioam-srv6-02

Segment Routing Header encapsulation for In-situ OAM Data

Zafar Ali - Cisco Systems (zali@cisco.com) – Presenter
Rakesh Gandhi - Cisco Systems (rgandhi@cisco.com)
Clarence Filsfils - Cisco Systems (cfilsfil@cisco.com)
Frank Brockners – Cisco Systems (fbrockne@cisco.com)
Nagendra Kumar - Cisco Systems (naikumar@cisco.com)
Carlos Pignataro – Cisco Systems (cpignata@cisco.com)
Cheng Li – Huawei (chengli13@huawei.com)
Mach(Guoyi) Chen- Huawei (mach.chen@huawei.com)
Gaurav Dawra – LinkedIn (gdawra.ietf@gmail.com)

History of the Draft

- The work started in October 2018.
- It was first presented in the Spring WG in November 2018.
- It has been presented in 6man and IPPM WGs.

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 pre-allocated 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 the IOAM TLV in the SRH of the data packet.
- Based on the size of the segment list (SL), the ingress node pre-allocates space in the IOAM TLV.
- 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 IOAM TLV is present in the SRH and is supported by the segment Endpoint node, the SR segment endpoint node MAY add local node data at the pre-allocated position in the IOAM TLV.

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.

Next Steps

- The authors would like the WG to adopt the document.