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Spring Working Group

draft-filsfils-spring-sr-traffic-counters-00.txt

Segment Routing Traffic Accounting Counters

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Objective and Scope of the Draft

- This document defines counters for traffic accounting in segment routing (SR) networks.
- The actual usage of the counters and leveraging for various use-cases is outside the scope of this document.
- Objective
 - Give visibility to the service provider for network operation and capacity planning.
 - Respect SR Architecture
 - > Per-flow state are only maintained at Ingress;
 - > Egress and Midpoints do not maintain any per-flow state)
- Meeting the Objective
 - Per-flow counters (SR Policy counters) are only maintained at the ingress nodes in the SR network.
 - All other counters (Prefix SID, Interface and Traffic Matrix) accounts the aggregate traffic.

History of the Draft

- The draft contents were part of the recently adopted SR Policy draft (draft-ietf-spring-segment-routing-policy-00).
 - Was part of the draft-filsfils-spring-segment-routing-policy-05 which recently passed WG adoption call.
- The WG chairs asked authors to split the SR Policy draft into sub-documents to allow for faster proceeding of the core concepts.
- This document is almost a verbatim copy of section 13 of draft-ietf-spring-segment-routing-policy-00.

Next Steps

- The contents have been stable for quite sometime.
- The authors request WG adoption.