

Support Postcard-Based Telemetry for SRv6 OAM

draft-song-6man-srv6-pbt-01

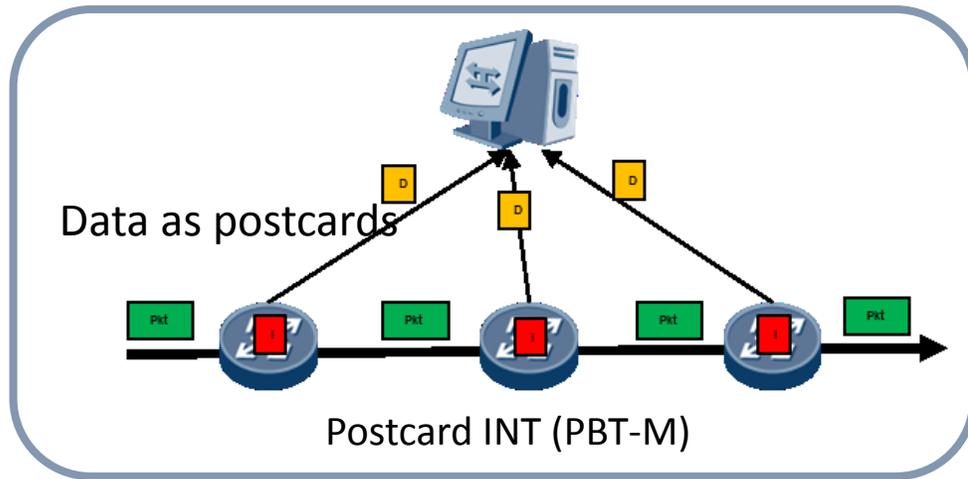
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Problem Statement

- On-path data telemetry in SRv6 is important for OAM and application-aware services
 - IOAM, PBT...
- Requirement for encapsulating extra instruction/metadata is challenging
 - Heavy overhead in addition to SRH
 - Encapsulation ambiguity

Solution: PBT-M

- Instruction
- Data
- User packet



Forwarding performance impact

Packet size inflation

Encapsulation

Security

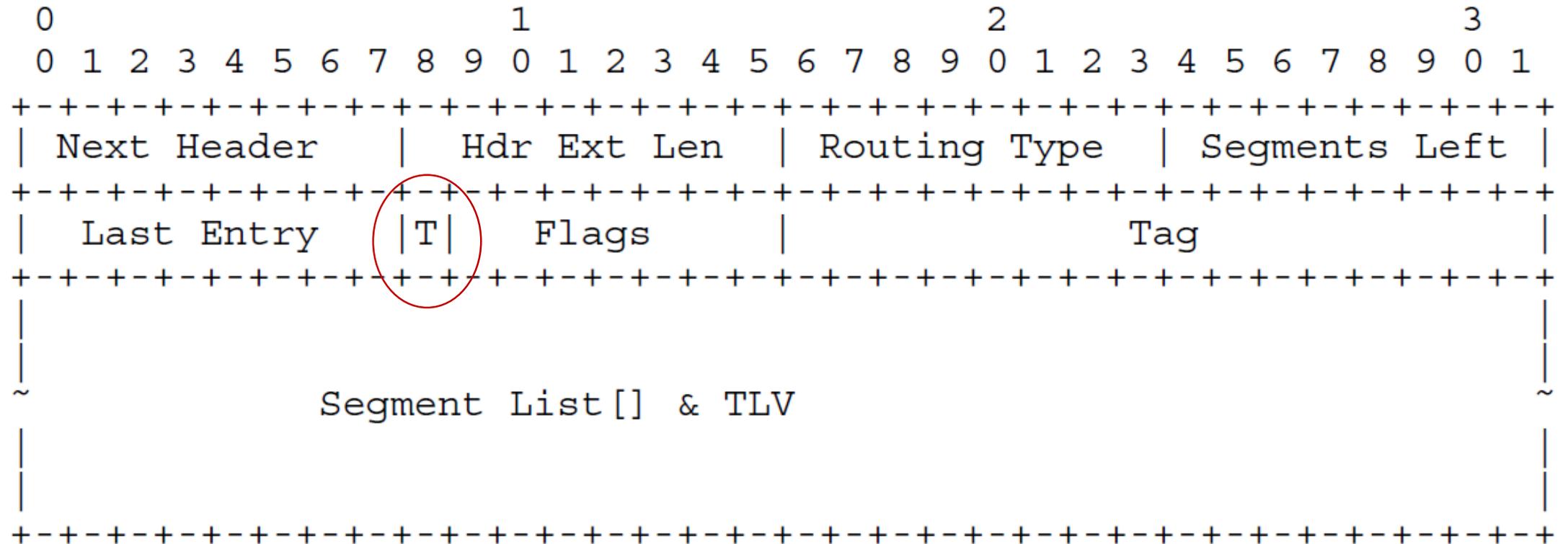
Drop localization

Data correlation

Export overhead

Configuration overhead

SRH with PBT Mark Flag



Post Card Packets Correlation

- Common methods described in [I-D.song-ippm-postcard-based-telemetry]
- SRH can help to order the postcards
- Optional flow ID (for flow correlation) and sequence number (for packet correlation) can be included as TLVs in SRH

Next Steps

- Request for WG adoption