

STAMP over MPLS LSP

`draft-mirsky-mpls-stamp`

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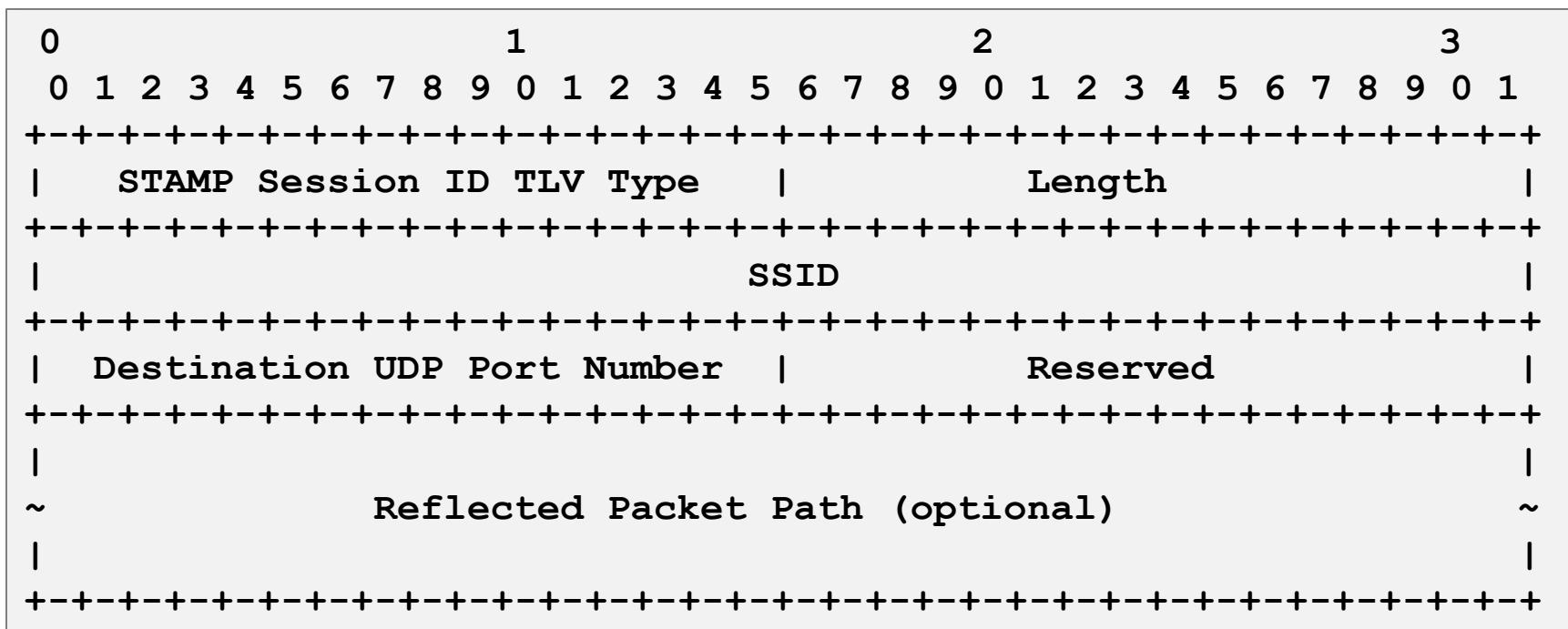
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Simple Two-way Active Measurement Protocol

- RFC 8762 STAMP and RFC 8972 STAMP Extensions defined the baseline protocol and several extensions (e.g., Extra Padding, Direct Loss Measurement, Timestamp Source Reporting, Follow-up Telemetry).
- The protocol supports measurements of packet delay, packet loss, and detection of packet duplication and re-ordering.
- Actors – Session-Sender and Session-Reflector.
- Mechanism – echo request, echo reply.

Proposed mechanism

- Use IP/UDP encapsulation:
 - Destination IP address:
 - From 127/8 range for IPv4
 - ::1/128 for IPv6
 - Destination UDP port number – 862 is recommended; a number from the Dynamic port numbers range - optional
 - TTL/Hop count – 255
- Use LSP Ping to bootstrap STAMP test session:



Next Steps

- Always welcome comments, questions, and cooperation
- WG adoption?

Thank you!