

Performance Measurement On Link Aggregation Group(LAG)

draft-li-ippm-stamp-on-lag
draft-li-ippm-otwamp-on-lag

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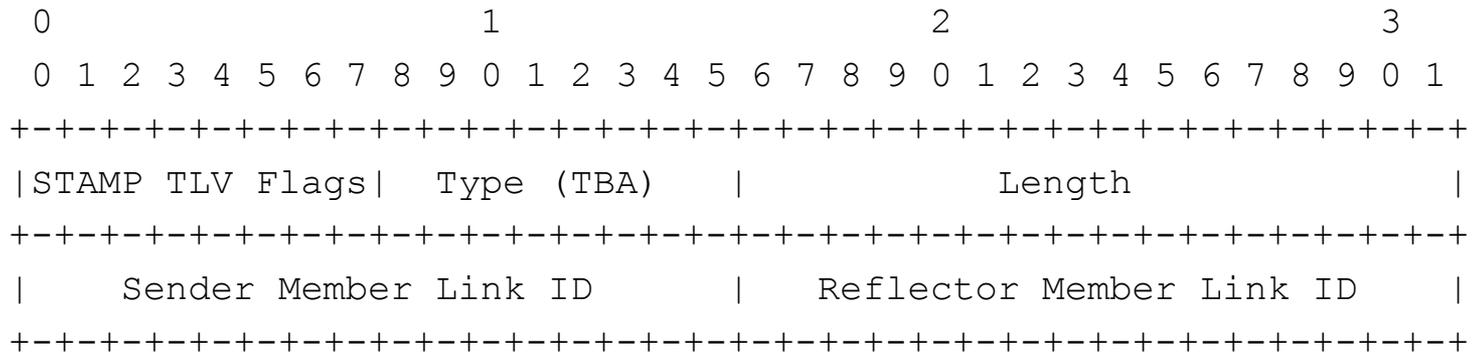
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Background

- Work started in draft-li-ippm-pm-on-lag included two solutions for:
 - OWAMP/TWAMP
 - STAMP
- Following on discussions and comments we split it into separate drafts:
 - draft-li-ippm-stamp-on-lag
 - draft-li-ippm-otwamp-on-lag

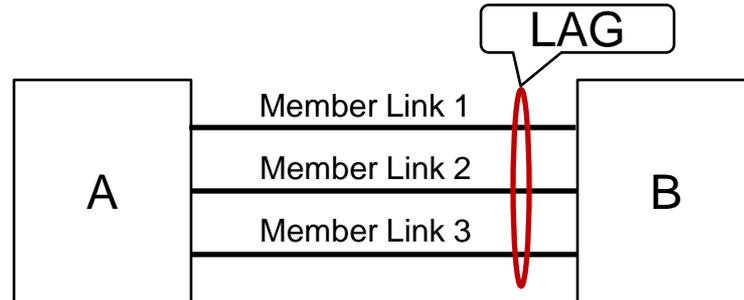
STAMP Extension for LAG

- No changes to STAMP base test packet
- STAMP extension, LAG Member link ID TLV, defined



- Sender Member Link ID MUST be unique on the STAMP Session-Sender
- Reflector Member Link ID MUST be unique on the STAMP Session-Reflector
- A micro-STAMP session is a STAMP test session over the particular LAG member link

Example: STAMP Micro Session



- Hosts A and B are connected by a LAG (Consists of three member links: Link 1, Link 2, and Link 3). Three micro sessions to be established:
 - micro session 1 for member link 1;
 - micro session 2 for member link 2;
 - micro session 3 for member link 3:
- Starting the STAMP-Test (example) :
 - A sends Test packet of micro session 1 over member link 1 with the Sender Member Link ID value set and the Reflector Member Link ID value zeroed;
 - B associates the Test packet with micro session 1 using 4-tuple + receiving member link (member link 1) ;
 - B sends reflected Test packet over member link 1 back to A with the Sender Member Link ID copied from the received LAG Member Link ID TLV and the Reflector Member Link ID value set.

Next Steps

- Welcome your comments, questions
- Discuss, update drafts
- WG AP

Thank you