

Simple TWAMP (STAMP) Extensions for Segment Routing Networks

draft-ietf-ippm-stamp-srpm-01

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Agenda

- Updates in Revision 00 and 01
- STAMP-based Work in other WGs
- Next Steps

Updates in Revision 00

Updates in Revision 00:

- ✓ Newly adopted by the IPPM WG
- ✓ Addressed various review comments received during the WG adoption
 - ✓ Updated Security Section
 - ✓ Introduced New Error Flag D (Wrong Destination)
 - ✓ Node Address TLV format changed
 - ✓ Clarified TLV applicability to P2P vs. P2MP paths
 - ✓ Various clarifications

Updates in Revision 01

Updates in Revision 01:

- Security Section:
 - "man-in-the-middle" (MIM) might break the assumption "normally" and must be considered."
 - Deployed in limited domains
- When Session-Sender test packet destination address is different than the actual Session-Reflector address, the actual STAMP Session-Reflector address **MUST** be transmitted to the Session-Reflector with the Destination Node Address TLV.
- IANA Section: Add STAMP TLV Flag
 - Error Flag D (Wrong Destination)
- Minor editorial changes

STAMP-based Work in other WGs

- draft-ietf-spring-stamp-srpm-01
 - Performance Measurement Using Simple TWAMP (STAMP) for Segment Routing Networks
 - Adopted by the SPRING WG
 - Addressed various review comments received during WG adoption
 - Discussions on whether informational or standards track document
 - Welcome your review comments and suggestions
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- draft-gandhi-mpls-stamp-pw-00
 - Encapsulation of Simple TWAMP (STAMP) for Pseudowires in MPLS Networks
 - New individual draft in the MPLS WG
 - Welcome your review comments and suggestions

Next Steps

- Welcome your comments and suggestions

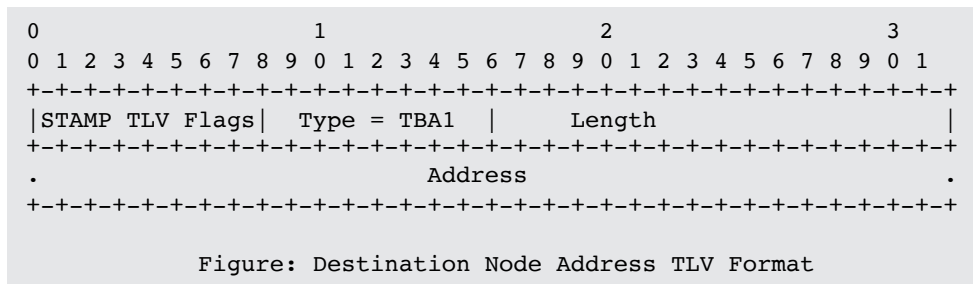
Thank you

Backup

STAMP Destination Node Address TLV

Destination Node Address TLV (value TBA1):

- Indicates the address of the intended destination of the Session-Sender test packet
- MUST be included when Session-Sender test packet is sent with IPv4 destination address in 127/8 range or Flow Label with IPv6 address ::1/128 (e.g. sweeping ECMP paths)
- Session-Reflector that supports this TLV, MUST transmit reply test packet with Error D (Wrong Destination) in the STAMP TLV Flags field if it is not the intended destination of the received Session-Sender test packet



Thank you