SRv6 Path Egress Protection

draft-ietf-rtgwg-srv6-egress-protection-00

IETF 108
Overview

Thanks people below for their comments and suggestions around WG adoption call

- Yimin Shen
- Zhenqiang Li,
- Alexander Vainshtein
- Greg Mirsky
- Bruno Decraene and
- Jeff Tantsura

Updates to Previous Versions

- Added details on SR egress protection mechanism
- Changed to use H.Encaps
- Some Editorial Changes
SR Egress Protection Mechanism

IGP advertises information for SRv6 egress protection

1. Config mirror SID to protect PEA

2. PEB creates FIB entry for PEA w/ SIDa to CE2

Mirror Sid: A4:1::3 protect SIDa: A3:1::/64 on PEA

PEA: Egress

PEB: Backup Egress for PEA

Entry: SIDa: A3:1::B100 ➔ CE2

3. P1 H.Encaps w/ mirror SID, send pkt to PEB when PEA fails

4. PEB End.DT6, get entry in FIB for PEA using mirror SID and SIDa, sends pkt to CE2
Next Steps

• Welcome comments