IS-IS Extension to Support Segment Routing over IPv6 Dataplane

draft-ietf-lsr-isis-srv6-extensions

IETF 106, Singapore

Peter Psenak (Cisco)
C. Filsfils (Cisco)
A. Bashandy (Individual)
B. Decraene (Orange)
Z. Hu (Huawei)
Anycast Flag

• SRv6 Locator TLV - A-flag has been removed
• New section: “Advertising Anycast Property“
• A new flag in "Bit Values for Prefix Attribute Flags Sub-TLV" registry [RFC7794] is defined
  – Bit #: 4 - Anycast Flag (A-flag)
  – When the prefix/SRv6 locator is configured as anycast, the A-flag SHOULD be set. Otherwise, this flag MUST be clear.
Anycast Flag

• The A-flag MUST be preserved when leaked between levels.
• The A-flag and the N-flag MUST NOT both be set.
• If both N-flag and A-flag are set in the prefix/SRv6 Locator advertisement, the receiving routers MUST ignore the N-flag.
• The same prefix/SRv6 Locator can be advertised by multiple routers. If at least one of them sets the A-Flag in its advertisement, the prefix/SRv6 Locator SHOULD be considered as anycast.
Next Steps

- Document has been stable for some time
- Multiple implementations available
- Ready for LC
- Questions/Comments?
Thank you!