PIM Join Attributes for LISP

draft-ietf-pim-join-attributes-for-lisp

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Problem Being Solved

• LISP multicast (RFC6831) uses PIM unicast join between LISP routers
• Need to include a source RLOC in join for Solicit-Map-Request (mobility) and explicit tracking
• Implementations also doing head-end replication
  – Need to include information whether unicast or multicast transport is requested
  – Want to support mixed environments where some receivers have multicast core connectivity and some do not
• Provide information in join attributes
RFC-6831 PIM Signaling

Legend:
- EIDs -> Green
- Locators -> Red
- site or core
- PIM router
- regular PIM JP
- unicast PIM JP

(S-EID,G) PIM JP

(S2-RLOC,G) PIM JP

(S-EID,G) PIM JP

(S-EID,G) PIM JP

(S2-RLOC,G) PIM JP

(S-EID,G) PIM JP
Status

• LISP WG thought work was useful and we agreed to adopt it in pim
• There are already multiple implementations
• Need this published to get IANA assignments
• What next?
  – WGLC? Need reviewers
  – Also review and WGLC in lisp WG?

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