

LISP EID Anonymity

LISP WG IETF 104 Prague

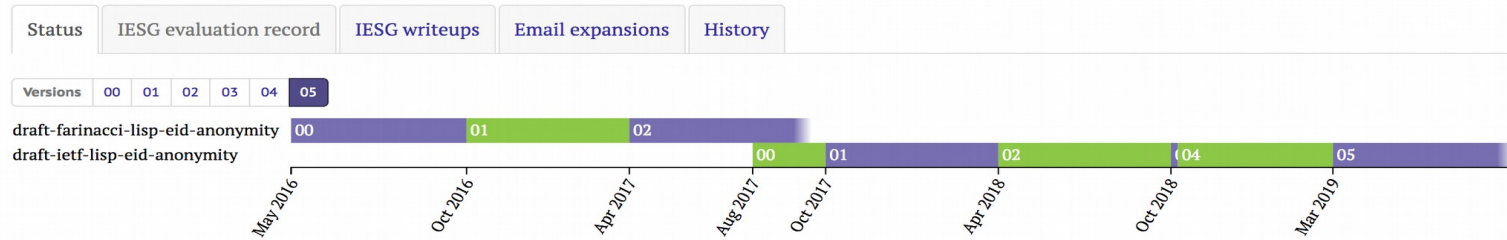
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Document Status

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draft-ietf-lisp-eid-anonymity-05



-05 fixed nit and clarification – no technical change.

Appendix B. Document Change Log

[RFC Editor: Please delete this section on publication as RFC.]

B.1. Changes to draft-ietf-lisp-eid-anonymity-05

- o Posted March IETF week 2019.
- o Do not state that ephemeral EIDs make the privacy problem worse.

B.2. Changes to draft-ietf-lisp-eid-anonymity-04

- o Posted October 2018 before Bangkok IETF deadline.
- o Made Padma requested changes to refer to ephemeral-EIDs allowed to have many on one interface and can be registered with more than 1 RLOC but one RLOC-set.

Problem Statement

- Making EIDs
 - Private
 - Not trackable
- Without enforcing more encryption
- Useful in mobility use cases when the locator (visible) is also changing

Solution

- Hide in a crowd or rather in a pool of addresses
- Ephemeral EIDs are IP addresses
 - A recycled random number within a specified range
 - Crypto hash may be used for generating the EID
- Source creates one or more ephemeral EIDs and start using them.
- May create several ephemeral EIDs on a same interface
- May use one of them for each session with a peer for example
- Ephemeral EID have a limited life and may be one time only before recycling

LISP base Protocol changes

- Relies on existing mechanisms for registration and deregistration in MS.
- Reservation of a range for the pool
- Collision avoidance recommendations

Next Steps

- Last call
- Questions/comments?