LISP 6830bis & 6833bis

draft-farinacci-lisp-rfc6830bis-00
draft-farinacci-lisp-rfc6833bis-00

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Scope & Context

The LISP WG is chartered to continue work on the LISP base protocol and produce standard-track documents. In order to produce a coherent set of documents, the first (and high priority) work item of the LISP Working Group is to develop a standard-track solution based on the completed Experimental RFCs and the experience gained from early deployments. This work will include reviewing the existing set of Experimental RFCs and doing the necessary enhancements to support a base set of standards track RFCs. The group will review the current set of Working Group documents to identify potential standards-track documents and do the necessary enhancements to support standards-track.
Scope & Context

• Apr 2017  Submit a LISP unicast data-plane specification (6830bis) document to the IESG for consideration as Proposed Standard

• Jul 2017  Submit a LISP control-plane specification (6833bis) document to the IESG for consideration as Proposed Standard
draft-farinacci-lisp/rfc6830bis-00
Change log
• **Introduction**: Removed scalability of the DFZ discussion

• **Basic Overview**: Added ref. to LCAF and to 6833bis

• **LISP Encap**: Added kk bits from LISP-Crypto

• Added **LISP Map-Cache** section that describes (not specifies) relation between 6830bis and 6833bis

• Fixed typo in **MTU handling**
• **Multicast considerations**: Shorter, added ref to signal-free-multicast

• **Mobility considerations**: Shorter

• **Deployment considerations**: Added discussion on centralized vs. distributed caches and RTRs.

• **Security considerations**: Requires further discussion

• Removed **Open Issues**
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Change log
• Changed title to **Locator/ID Separation Protocol (LISP) Control-Plane**

• **Introduction**: Mention that this control-plane works with 6830 but can work with other data-planes

• Added **Map-Request, Map-Reply, Map-Register and Map-Notify** messages from 6830

• Indicate there may be nodes in the mapping system that are not MRs or MSs, that is a ALT-node or a DDT-node.

• Update control-plane messages to incorporate what has been implemented in products during the early phase of LISP development but wasn't able to make it into RFC6830
• Include LISP-DDT in Map-Resolver section and explain how they maintain a referral-cache.
• Removed open issue about additional state in Map-Servers. With [I-D.ieth-lisp-ddt], Map-Servers have the same registration state and can give Map-Resolvers complete information in ms-ack Map-Referral messages.
• Make reference to the LISP Threats Analysis RFC [RFC7835].
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