A brief look at the Mapping System

D. Saucez, L. Iannone, B. Donnet
Hi all,

The purpose of this email is to give some details on the cut over to DDT on the LISP beta network yesterday, 3/14. The Cut Over from ALT to DDT was successful.

[snip]
Migration to DDT

- LISP-DDT was planned to replace LISP +ALT
- *lisp.net* successfully migrated from ATL to DDT on 3/14/2012
- Profit from the flag day to see the implications of the change
Methodology

- Actively measure the mapping system from 03/07 to 04/02
- 3 vantages points (hosted in US commercial ISP, France NREN, and Germany *lisp4.net*)
- *lig* to every EID prefix every 15 minutes
Observations

- no visible impact on the mappings
- impact on the delay
Trends on the long run?

• First trial with LISPmon (lispmon.net)
  • deployed by UPC in Spain (lori)
• Continuously monitors lisp.net since 01/06/2010
  • low monitoring frequency
• logs are archived and publicly available
• LISPmon aims to become the equivalent of potaroo.net for LISP
Increasing number of mappings
Large number of negative replies

The chart shows the percentage of mappings and the raw number of negative replies over time from 2010 to 2012. The data indicates a significant number of negative replies, with a notable spike in 2011. The chart also highlights the presence of 'bogus' mappings.
Limited usage of RLOC list

- January 6th, 2010
- May 14th, 2012
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