LISP Summary

Presented by Joel M. Halpern
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LISP

- An Experimental set of protocols
- One of many ideas for addressing core routing scaling
- Basic protocol based on
  - mapping between site based identifiers and core aggregatable routable locators
  - Encapsualting packets to just use locators across the core
- Separate specs on base protocol, mapping
  - Also versioning, MIB, deployment, ....
LISP base spec

• LISP -08
  – Removed opinion comments, prototype status
  – Strongly recommend MTU handling be done
• LISP – 09
  – Added base address (LCAF) type registrations
  – Cleaned up UDP port handling
• Need to address ETR Over-claiming issue
• Need to address pending Issue Tracker items
  – Some are awaiting followup from originators
LISP Mapping Server and ALT

• Complement to base protocol
• One new message proposed
  – Map Notify, confirming registration
  – Instead of having clients send a map request for themselves to verify that their registration worked
• No recent changes to the ALT spec

• Security review pending for base protocol and Mapping documents
Map Versioning

• Adopted as a working group document
• Improved the base spec mechanism for detecting changes in mapping over time
• To be enhanced
  – Improving security descriptions, and possibly moving them to the document on base LISP security issues.
  – Describing interaction with proxy (PITR and PETR) tunnel routers.
Deployment Document

• We now have a deployment document
  – It needs clarifications
  – Is intended to provide a basis for understanding how all the pieces come together
  – There are definitely open issues, e.g.
    • Who provides Map Resolvers
    • Who provides proxy tunnel routers