

LISP Generic Protocol Extension (LISP-GPE)

draft-lewis-lisp-gpe

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Why LISP-GPE

- RFC6830 relies on the inspection of the first byte of the inner header to indicate the inner header's IP version
- Use cases for both DC host mobility and L2 VPNs require encapsulation of Ethernet
- Desire of the authors to promote experimentation with LISP in these use cases

Trade Offs

- The P bit comes at the expense of two features: Nonce, Map Versioning and Echo-Nonceing

Summary

- Enables operators/experimenters to use LISP for all protocols
- Compatible with draft-quinn-vxlan-gpe
→ see presentation at NVO3 WG
- Working with authors of draft-yong-l3vpn-nvgre-vxlan-encap to align on common format