

VXLAN Generic Protocol Extension (VXLAN-GPE)

Draft-quinn-vxlan-gpe

- P. Quinn, D. Lewis, L. Kreeger, F. Maino,
CISCO
 - P. Agarwal, *BROADCOM*
 - M. Smith, N. Yadav, *INSIEME
NETWORKS*
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Why VXLAN-GPE

- VXLAN can only encapsulate Ethernet
- VXLAN header does have a field to indicate type of protocol being encapsulated
- Other protocols - e.g. IPv4 and IPv6 - also require VXLAN-based overlay transport
- Results: the need for multiple overlay protocols

Summary

- Enables operators to use VXLAN for all protocols
- Compatible with draft-lewis-lisp-gpe
→ see presentation at LISP WG
Thursday morning
- Working with authors of draft-yong-13vpn-nvgre-vxlan-encap to align on common format