Desired Use of VXLAN-GPE

• Using what is already defined by draft:
  • Carrying multiple simultaneous protocols

• Add the following next protocol to the draft:
  • Carrying group-based policy (GBP)
Example Usage

![Diagram of GPE header structure]

- **Outer Ethernet Header**
- **Outer IP Header**
- **Outer UDP Header**
- **GPE**
  - Virtual Network Identifier (VNI)
  - Group Policy ID
- **GBP**
  - Reserved
  - Next Protocol
- **NP**
  - GBP
  - Reserved
  - Next Protocol

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Different from draft-smith-vxlan-group-policy

- draft-smith-vxlan-group-policy extends VXLAN to carry just GBP
- draft-lemon-vxlan-gpe-gbp extends VXLAN-GPE to carry GBP
  - Simultaneously with IOAM and/or other protocols
Status of I-Ds

• draft-lemon-vxlan-gpe-gbp-00
  • Initial proposal
  • Reviewed so far by only co-authors

• draft-ietf-nvo3-vxlan-gpe-05
  • Contains code point for GBP, based on this proposal

• draft-smith-vxlan-group-policy-04
  • Serves as reference for GBP concepts
Request

• Provide comments on current draft
• Support IANA code point request in draft-ietf-nvo3-vxlan-gpe-05
• WG adoption of draft-lemon-vxlan-gpe-gbp