

BFD for VXLAN

draft-ietf-bfd-vxlan

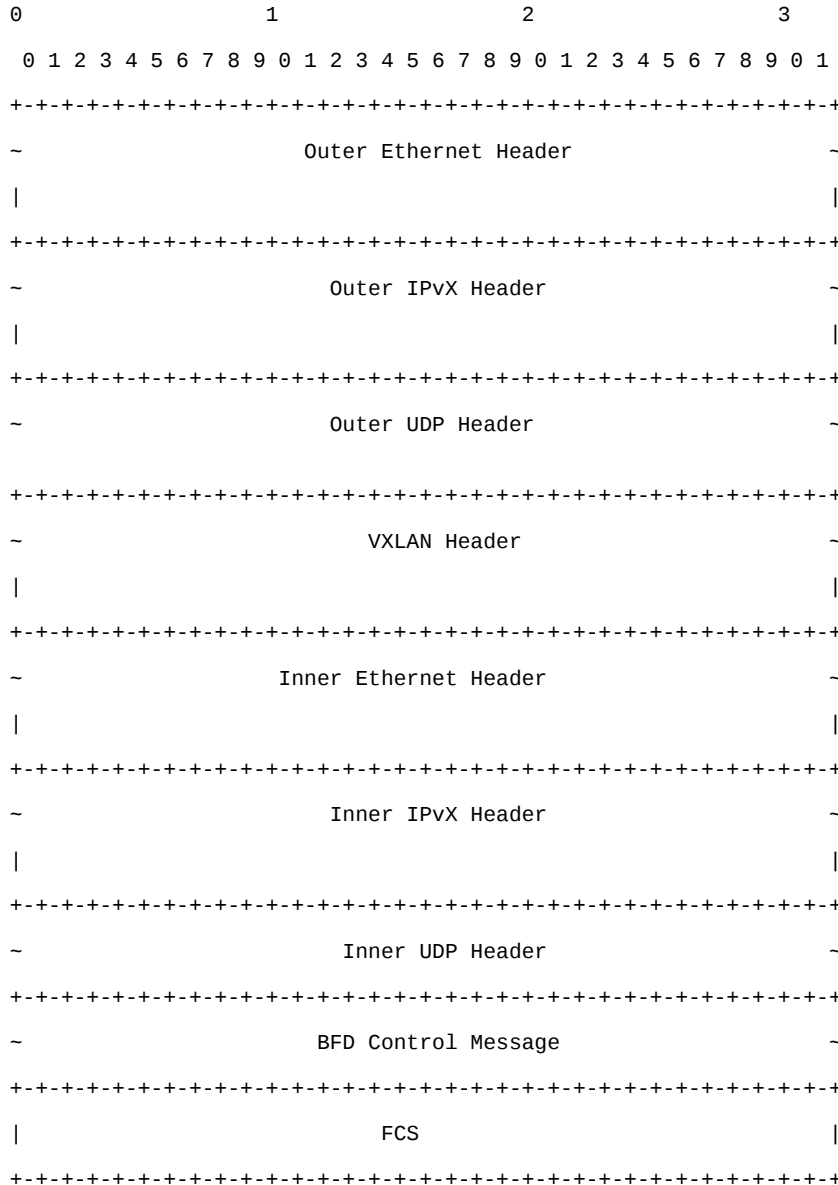
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Status

- The document describes use of Bidirectional Forwarding Detection (BFD) protocol in Asynchronous mode over VXLAN tunnel to enable continuity monitoring between Network Virtualization Edges (NVEs) and/or availability of a replicator service node using BFD.
- While we have been working on this draft two, including OpenSource, independent implementations of BFD over VXLAN have been developed and deployed

VXLAN encapsulation of BFD control packet using IPvX/UDP headers



- Inner Ethernet header:
 - DMAC – dedicated (IANA assigned) or of destination VTEP
 - SMAC – of originating VTEP
- Inner IP header:
 - Source IP – IP address of the originating VTEP
 - Destination IP – IP address of the destination VTEP
 - Ed.Note: Need more discussion on selection/use of IP addresses?
 - TTL set to 1
 - UDP port – 3784 per RFC 5881

Next steps

- Welcome comments from the WG
- Asking WG to consider WG LC of the draft
- Thank you