

BFD for VXLAN

draft-spallagatti-bfd-vxlan

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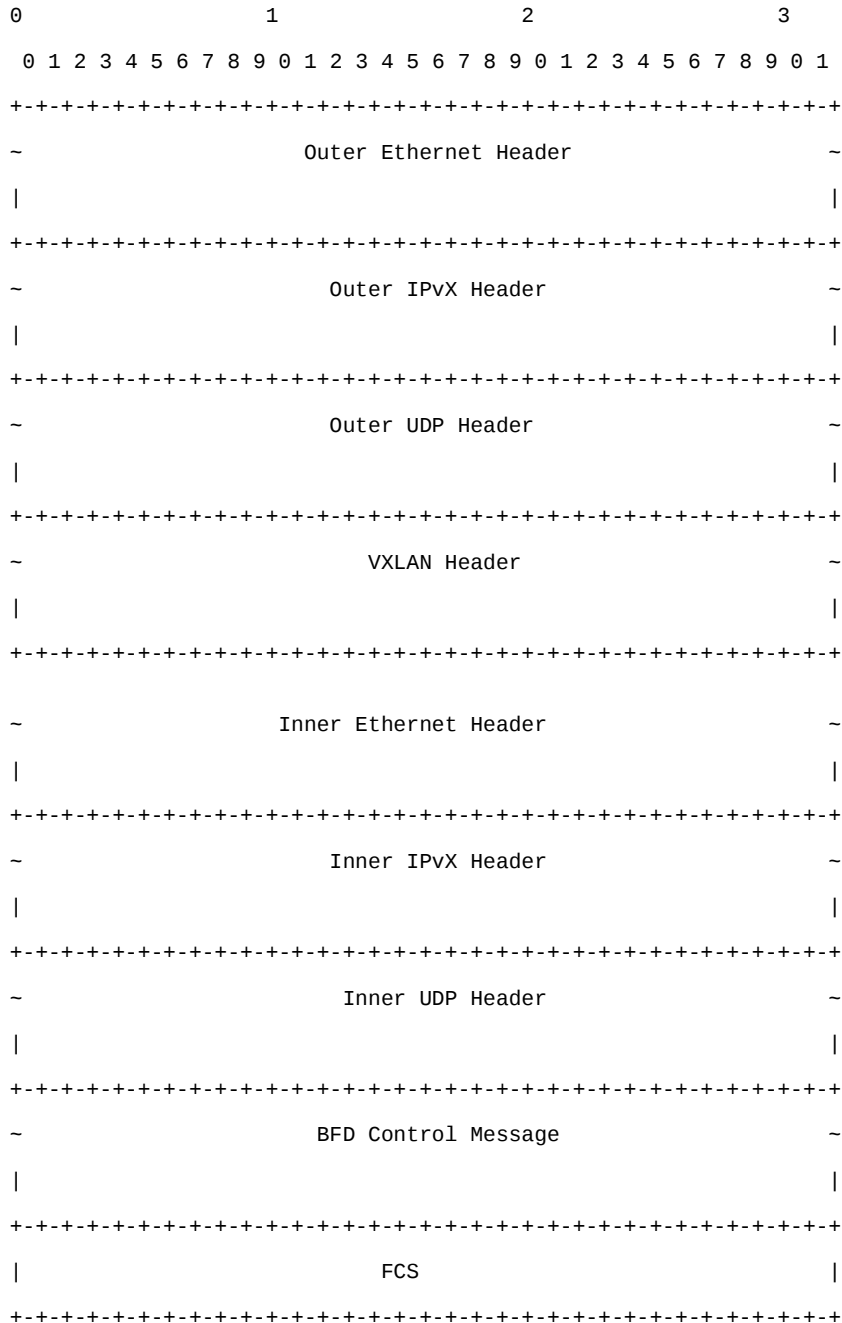
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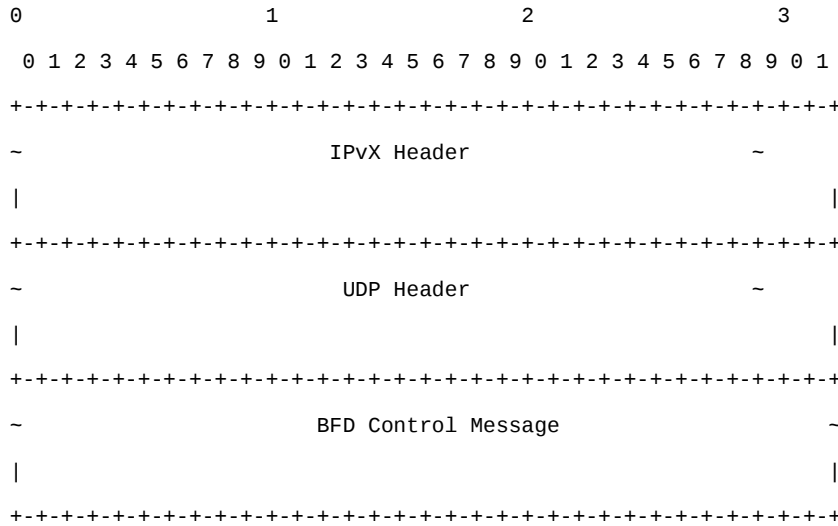
- Also BFD in VXLAN can be used to monitor special service nodes that are designated to properly handle Layer 2 broadcast, unknown unicast, and multicast traffic. Such nodes, often referred "replicators", are usually virtual VTEPs can be monitored by physical VTEPs in order to minimize BUM traffic directed to unavailable replicator.

This document describes use of Bidirectional Forwarding Detection (BFD) protocol VXLAN to enable continuity monitoring between Network Virtualization Edges (NVEs) and/or availability of a replicator service node using BFD.

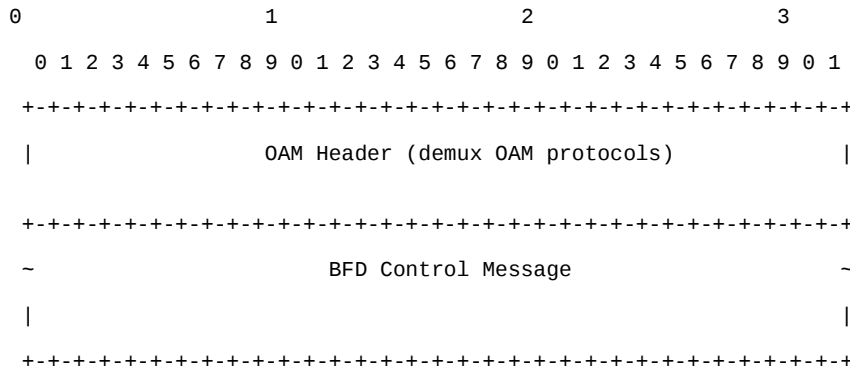
- While we have been working on this individual draft two independent implementations of BFD over VXLAN have been developed and deployed



VXLAN
encapsulation of
BFD control
packet using
IPvX/UDP headers



VXLAN-GPE
encapsulation of
BFD control
packet using
IPvX/UDP headers



VXLAN-GPE
encapsulation of
BFD control
packet without
IPvX/UDP headers

Next steps

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