Performance Measurement for Geneve

draft-xiao-nvo3-pm-geneve-00

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Intention of this draft

• Specifies the Performance Measurement method of Geneve tunnels:
  – Performance Measurement includes Packet Loss Measurement and Delay Measurement
  – Mechanism analogous to what’s specified in draft-xiao-nvo3-bfd-geneve is used
PM over Geneve Encapsulations (1/3)

The format and value set mostly follow draft-ietf-bfd-vxlan
PM over Geneve Encapsulations (2/3)

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Outer Ethernet Header

Outer IPvX Header

Outer UDP Header
Dest Port = 6081

Geneve Header
Protocol Type = 0x0800 (IPv4) or 0x86DD (IPv6)

Inner IPvX Header
Src IP = IP address of a VAP of the originating NVE
Dest IP = IP address of a VAP of the terminating NVE

Inner UDP Header
Dest Port = 862

STAMP Test Packet

FCS
MPLS Interface Context Label would be used to identify a VAP of the originating NVE and a VAP of the terminating NVE.
Next steps

• Ask for more reviews and comments
• Revise this draft to resolve comments
• Ask for WG adoption