Network Virtualization Overlays (NVO3) Working Group

IETF 105, July 2019, Montreal

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Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/ (Privacy Policy)

Administrivia

- Blue Sheets!

- Note takers + Jabber Scribe?

- Jabber / XMPP

  xmpp:nvo3@jabber.ietf.org?join

- Mailing List:

  General Discussion: nvo3@ietf.org

  To Subscribe: https://www.ietf.org/mailman/listinfo/nvo3

  Archive: http://www.ietf.org/mail-archive/web/nvo3/index.html

Agenda – Friday 26th July

1. WG Status update (WG Chairs, 10mins)

2. Security update (Daniel Migault,20 mins)

    draft-mglt-nvo3-geneve-security-requirements-06

    draft-mglt-nvo3-geneve-security-architecture-00

3. Base YANG Data Model for NVO3 Protocols (Remy Liu, 10 mins)
    draft-zhang-nvo3-yang-cfg-06

4. MAC move over Geneve encapsulation (Sami Boutros, 10 mins)
    draft-boutros-nvo3-mac-move-over-geneve-01

5. OAM for use in Geneve (Greg Mirsky, 15 mins)
    draft-mmbb-nvo3-geneve-oam-00

WG Progress: Milestones (need update)

Mar 2019   Security Requirements Submitted to IESG
Mar 2019   Security Solutions Submitted to IESG
Aug 2018   OAM Solution submitted for IESG Review
Aug 2018   Recharter or close working group
Aug 2018   Data Plane Requirements submitted for IESG review
Done ~~May 2018~~ Data Plane Solution submitted for IESG review
Done   End Device - NVE Control Plane Solution submitted for IESG review
Done   Use Cases submitted for IESG review
Done   Architecture submitted for IESG review
Done   Framework document submitted for IESG review
Done   Problem Statement submitted for IESG review

Document Status - 1

RFCs

- RFC7364: Problem Statement: Overlays for Network Virtualization

- RFC7365: Framework for Data Center (DC) Network Virtualization

- RFC8014: An Architecture for Data-Center Network Virtualization over Layer 3 (NVO3)

- RFC8151: Use Cases for Data Center Network Virtualization Overlay Networks

- RFC 8293: A Framework for Multicast in Network Virtualization over Layer 3

Document Status - 2

- Data Plane Encapsulation:
  - draft-ietf-nvo3-geneve-12
    - Publication requested
  - draft-ietf-nvo3-encap-02
    - Recently revived
    - Ready for WG Last Call ?
- WG Last Call:
  - EVPN Applicability to Geneve
    - draft-ietf-nvo3-evpn-applicability-01
    - With Sam (document shepherd)
  - Virtual Machine Mobility

Document Status - 3

- WG Adoption Poll:
  - draft-mglt-nvo3-geneve-security-requirements-06
  - On agenda
- Status of draft-xiao-bfd-geneve :
  - Originally submitted to BFD WG
  - Proposes no changes to BFD, but instead discusses encapsulation in Geneve
  - BFD and NVO3 chairs have discussed this and agreed that draft should be progressed in NVO3
  - WG adoption poll

Session Presentations