Network Virtualization Overlays (NVO3) Working Group

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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
Agenda – Monday 18th November

1. WG Status update (WG Chairs, 10 min)
2. GPE update (Fabio Maino, 15 min)
   draft-ietf-nvo3-vxlan-gpe-08
3. NVO3 Yang Model (Remy Liu, 5 min)
   draft-ietf-nvo3-yang-cfg-01
4. LOOPS (Local Optimizations on Path Segments) and its Geneve binding
   (Yizhou Li, 10min)
   draft-bormann-loops-geneve-binding-00
   draft-li-tdvswg-loops-problem-opportunities-03
   draft-welzl-loops-gen-info-02
5. BFD for Geneve (Min Xiao,10 min)
   draft-xiao-nvo3-bfd-geneve-01
6. Performance Measurement for Geneve (Min Xiao,5 min)
   draft-xiao-nvo3-pm-geneve-00
WG Progress: Milestones (updated)

Done  - Problem Statement submitted for IESG review
Done  - Framework document submitted for IESG review
Done  - Architecture submitted for IESG review
Done  - Use Cases submitted for IESG review
Done  - End Device-NVE Control Plane Solution submitted for IESG review
Done  - Data Plane Solution submitted for IESG review
Dec 2019 - Data Plane Requirements submitted for IESG review
Mar 2020 - Security Solutions Submitted to IESG
Mar 2020 - Security Requirements Submitted to IESG
Aug 2020 - Recharter or close working group
Aug 2020 - OAM Solution submitted for IESG Review
RFCs

– RFC 7364: Problem Statement: Overlays for Network Virtualization
– RFC 7365: Framework for Data Center (DC) Network Virtualization
– RFC 8014: An Architecture for Data-Center Network Virtualization over Layer 3 (NVO3)
– RFC 8151: Use Cases for Data Center Network Virtualization Overlay Networks
– RFC 8293: A Framework for Multicast in Network Virtualization over Layer 3
– RFC 8394: Split Network Virtualization Edge (Split-NVE) Control-Plane Requirements

New RFC

– None
Document Status - 2

Data Plane Encapsulation:
- draft-ietf-nvo3-geneve-14
  • With IESG, IETF Last Call completed
- draft-ietf-nvo3-encap-03
  • Ready for WG Last Call?
- Informational encapsulation drafts
  • draft-ietf-nvo3-vxlan-gpe-08
    — On Agenda. Ready for WG LC?

Distributed Control Plane:
- EVPN Applicability to Geneve
  • draft-ietf-nvo3-evpn-applicability-02
  • Publication Requested (With our AD (Martin))
Virtual Machine Mobility
  –draft-ietf-nvo3-vmm-05
    • With shepherd (Matthew).
    • Some editorial nits

Security Drafts
  –draft-mglt-nvo3-geneve-authentication-option-00
  –draft-mglt-nvo3-geneve-encryption-option-00
  –draft-mglt-nvo3-geneve-security-architecture-00
  –draft-mglt-nvo3-geneve-security-requirements-06
    • Failure to reach consensus for WG adoption
    • How to proceed?

NVO3 OAM
  – draft-xiao-nvo3-bfd-geneve-01
    • On agenda. Ready for adoption?
YANG Models

- draft-ietf-nvo3-yang-cfg-01
  - On agenda
Session Presentations