Network Virtualization Overlays (NVO3) Working Group

IETF 108, July 2020, Online

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Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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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 – Tuesday 28\textsuperscript{th} July, 13:00-1350 UTC

1. WG Status update (WG Chairs, 10 min)
2. Geneve OAM (Greg Mirsky, 15 minutes)
   draft-mmbb-nvo3-geneve-oam
3. Geneve BFD (Xiao Min, 10 minutes)
   draft-xiao-nvo3-bfd-geneve
4. LOOPS (Local Optimizations on Path Segments) updates (Yizhou Li, 10 min)
   draft-bormann-loops-geneve-binding
   draft-li-tsvwg-loops-problem-opportunities
   draft-welzl-loops-gen-info
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

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
RFC 8394: Split Network Virtualization Edge (Split-NVE) Control-Plane Requirements

New RFC since Singapore IETF
  – None
Data Plane Encapsulation:
  –draft-ietf-nvo3-geneve-16
    • RFC Editors Queue
  –draft-ietf-nvo3-encap-05
    • WG last call started on 18th Feb 2020, but no responses
  –Informational encapsulation drafts
    •draft-ietf-nvo3-vxlan-gpe-10
      – Ready for WG LC

Distributed Control Plane:
  –EVPN Applicability to Geneve
    •draft-ietf-nvo3-evpn-applicability-02
    •Publication Requested (With our AD (Martin)
    •Held for progress on draft-ietf-bess-evpn-geneve (In WG LC)
Virtual Machine Mobility
  - draft-ietf-nvo3-vmm-16
    • Publication requested – With Martin

YANG Models
  - draft-ietf-nvo3-yang-cfg-02
    • Ready for WG LC?

NVO3 OAM
  - draft-xiao-nvo3-bfd-geneve-02
  - draft-mmbb-nvo3-geneve-oam-03
    • On agenda. Ready for adoption?
Session Presentations