

Network Virtualization Overlays (NVO3) Working Group

IETF 101, March 2018, London

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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>

Meeting Logistics

- This will be a “normal” meeting
- No round tables this time
- We have a very packed agenda. Please keep to your time slots.

AD and WG Personnel Changes

Alia is stepping down as Routing AD at this IETF

- Thank you for all your guidance, support, and encouragement to NVO3!
- Martin Vigoureux will be taking over as our new AD

Ignas has been appointed Ops Area AD

- Stepping down as NVO3 secretary
- Thank you for all your help and excellent minutes!
- We will be looking for a new secretary, so please see the chairs after the meeting if you are interested (see draft-secretaries-good-practices-07 and RFC 2418)

Agenda – Wednesday 21st March

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|----|---|-------------|--------|
| 1. | Administrative. | WG Chairs. | 5 min |
| 2. | WG status update. | WG Chairs. | 10 min |
| 3. | draft-mglt-nvo3-geneve-security-requirements-03 | | |
| | Daniel Migault and Ilango Ganga | | |
| | Discussion on outstanding issues and comments | | 20 min |
| 4. | draft-ooamdt-rtgwg-ooam-header-03 | Greg Mirsky | 10 min |
| 5. | draft-ao-nvo3-multi-encap-interconnect-00 | Ting Ao | 10 min |
| 6. | draft-xiang-nvo3-geneve-packet-spray-00 | Yolanda Yu | 10 min |
| 7. | Working Group next steps open mic | Chairs | 10 min |

WG Progress: Milestones (proposed update)

Aug 2018	OAM Solution submitted for IESG Review
Aug 2018	Recharter or close working group
Jul 2018	NVE - NVA Control Plane Solution submitted for IESG review
Jul 2018	Control Plane Requirements submitted for IESG review
May 2018	Data Plane Solution submitted for IESG review
May 2018	Data Plane Requirements submitted for IESG review
Publication Requested for Split-NVE Requirements	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

New RFC

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

Document Status - 2

Approved by IESG (in RFC Ed's queue):

- Split NVE Control Plane Requirements
- draft-ietf-nvo3-hpvr2nve-cp-req-16
- Propose liaison to update IEEE on progress

Data Plane Encapsulation:

- draft-ietf-nvo3-geneve-06
 - WG Last Call after this IETF?
- draft-ietf-nvo3-encap-01
 - WG Last Call after this IETF?

On-going WG Adoption Poll:

- draft-mgmt-nvo3-geneve-security-requirements-03
- On agenda

Document Status - 3

Virtual Machine Mobility Protocol:

- draft-ietf-nvo3-vmm-01
 - WG Last Call after this IETF?

Incoming Liaison from IEEE 802.1

- Liaison from IEEE 802.1 on progress of IEEE P802.1Qcy VDP Extension to Support NVO3
- Have begun Sponsor ballot IEEE P802.1Qcy
- Sponsor ballot is the final stage of balloting for a draft (roughly similar to last call in IETF)
- IEEE would appreciate feedback by 15 May 2018 from NVO3 participants on the draft
- Please see the chairs for details of how to access the document

Session Presentations

NVO3 Next Steps Open Mic

Data plane close to WG last call, and security under way

What other documents do we need to make progress on next?:

- OAM

- We tried to adopt output of the RTG Area OAM design team, but could not reach consensus at that time
- An OAM solution is required by NVO3.
- How to make progress?

- Distributed control plane

- EVPN applicability draft. Poll for adoption after this IETF

- Centralised control / management plane: YANG models

- We have a YANG model for VXLAN, but also need Geneve
- Need something more generic for objects in NVO3 architecture
- NVO3 YANG design team?

- Anything else?