Network Virtualization Overlays (NVO3) Working Group

IETF 103, November 2018, Bangkok

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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 – Wednesday 7th November

1. WG Status update (WG Chairs, 15mins)
2. Security requirements update (Daniel Migault, 10 mins)
draft-mglt-nvo3-geneve-security-requirements-04
3. Geneve WG LC update (Ilango Ganga - remote, 10 mins)
draft-ietf-nvo3-geneve-08
4. iOAM Drafts relevant to NVO3 (Frank Brockners, 10 mins)
draft-brockners-ippm-ioam-geneve-01
draft-weis-ippm-ioam-eth-00
5. Overlay Subnet Architecture (Ting Ao, 10 mins)
draft-ao-nvo3-overlay-subnet-architecture-00
6. Geneve applicability for service function chaining (Sami Boutros, 10 mins)
draft-boutros-nvo3-geneve-applicability-for-sfc-02
### WG Progress: Milestones (just updated)

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone Description</th>
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<tbody>
<tr>
<td>Mar-Aug 2019</td>
<td>OAM Solution submitted for IESG Review</td>
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<tr>
<td>Mar-Aug 2019</td>
<td>Recharter or close working group</td>
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<tr>
<td>Mar 2019</td>
<td>Security Solutions Submitted to IESG</td>
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<tr>
<td>Oct 2018</td>
<td>Security Requirements Submitted to IESG</td>
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<tr>
<td>Jul 2018</td>
<td>NVE-NVA Control Plane Solution submitted for IESG review</td>
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<td>Jul 2018</td>
<td>Control Plane Requirements submitted for IESG review</td>
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<tr>
<td>May-Aug 2018</td>
<td>Data Plane Solution submitted for IESG review</td>
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<tr>
<td>May-Aug 2018</td>
<td>Data Plane Requirements submitted for IESG review</td>
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<tr>
<td><strong>Done</strong></td>
<td>End Device - NVE Control Plane Solution submitted for IESG review</td>
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<tr>
<td><strong>Done</strong></td>
<td>Use Cases submitted for IESG review</td>
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<td><strong>Done</strong></td>
<td>Architecture submitted for IESG review</td>
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<td><strong>Done</strong></td>
<td>Framework document submitted for IESG review</td>
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<tr>
<td><strong>Done</strong></td>
<td>Problem Statement submitted for IESG review</td>
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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

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

New RFC

- None since Montreal
• Data Plane Encapsulation:
  – draft-ietf-nvo3-geneve-08
    • On agenda
    • WG Last Call in progress
  – draft-ietf-nvo3-encap-01
    • Expired
    • WG Last Call after geneve

• WG Adoption Poll:
  – draft-mglt-nvo3-geneve-security-requirements-04
  – On agenda
Virtual Machine Mobility Protocol:

- draft-ietf-nvo3-vmm-04
  - WG Last Call attempted but not closed due to lack of responses
  - Chairs requested OpsArea, RtgDir, TSV Area reviews
  - Ops Area review has a number of comments, including suggested review by TCPM
  - TSVART review resulted in a number of comments
  - Document needs to be updated by the authors
Session Presentations