Network Virtualization Overlays (NVO3) Working Group

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Chairs: Benson Schliesser <bensons@queuefull.net>
        Matthew Bocci <matthew.bocci@alcatel-lucent.com>

Secretary: Sam Aldrin<aldrin.ietf@gmail.com>
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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
Logistics

• Remote Queue Experiment
  – Chairs will attempt to recognize speakers from both in-room and virtual queues on equal terms, e.g. as if all were standing at different mic lines in the room
  – Please cooperate and acknowledge the other mic lines (including virtual)!
Milestones

Done      Problem Statement submitted for IESG review
Done      Framework document submitted for IESG review
Apr 2015  Architecture submitted for IESG review
Apr 2015  Use Cases submitted for IESG review
Oct 2015  Data Plane Requirements submitted for IESG review
Oct 2015  Control Plane Requirements submitted for IESG review
Oct 2015  Operational Requirements submitted for IESG review
Oct 2015  Security Requirements submitted for IESG review
Oct 2015  NVE - NVA Control Plane Solution submitted for IESG review
Oct 2015  End Device - NVE Control Plane Solution submitted for IESG review
Oct 2015  Data Plane Solution submitted for IESG review
Dec 2015  Recharter or close working group
Work-streams

- Data Plane - 3 drafts currently:
  - VXLAN-GPE
  - GENEVE
  - GUE

- Control & Management
  - CP discussion ongoing
  - YANG model work to be organized soon
  - OAM DT being formed now
Interim Meetings

• Considering an in-person Interim during 1Q 2016
  – Early planning stage
  – Possibly co-resident at upcoming NANOG
  – May include agenda items such as:
    • Interop Demos and Discussions
    • Data plane protocol evaluations
WG Progress Summary

- No new RFCs since IETF-93
- WGLC Completed on Security Requirements draft, but needs further review
- Goal to WGLC the Use-cases and Architecture drafts soon
  - Recent list discussion of Use-cases draft
- IEEE working on VDP enhancements for "split NVE" control plane
Document Status - 1

• RFCs
  – RFC7364: Problem Statement: Overlays for Network Virtualization
  – RFC7365: Framework for Data Center (DC) Network Virtualization

• RFC Editors Queue
  – None
Requirements:
  - draft-ietf-nvo3-dataplane-requirements
    - Completed WG Last Call
  - draft-ietf-nvo3-nve-nva-cp-req-04
  - draft-ietf-nvo3-hpvr2nve-cp-req-02
    - Liaison to IEEE, pending update to VDP
  - draft-ietf-nvo3-security-requirements-04
    - Completed WGLC with inadequate feedback

*We plan to progress requirements in parallel with applicable solutions*
Document Status - 3

Use Cases:
- draft-ietf-nvo3-use-case-00

Architecture:
- draft-ietf-nvo3-arch-03

Need more review of these
Document Status - 4

- Three WG documents on data plane encap solutions
  - draft-ietf-nvo3-vxlan-gpe-04
  - draft-ietf-nvo3-gue-01
  - draft-draft-ietf-nvo3-geneve-00
Agenda

1. Chairs - Welcome/WG Status *(15 mins)*
2. Linda Dunbar - NVA-NVE mapping control plane draft *(10 mins)*
   <draft-dunbar-nvo3-nva-mapping-distribution-02>
3. Dapeng Liu - vxlan path detection *(10 mins)*
   <draft-pang-nvo3-vxlan-path-detection-01>
4. Santosh Pallagatti - BFD vxlan *(10 mins)*
   <draft-spallagatti-bfd-vxlan-01>
5. Fangwei Hu - vxlan YANG *(10 mins)*
   <draft-chen-nvo3-vxlan-yang-01.txt>
6. Ting Ao - VNTP protocol *(10 mins)*
   <draft-gu-nvo3-vntp-03>
7. Lucy Yong / Yizhou - VLAN config considerations in split-NVE *(10 mins)*
   <draft-yizhou-nvo3-vlan-config-in-split-nve-00>
8. Tom Herbert - Update on GUE and ILA *(10 mins)*
   <draft-herbert-nvo3-ila-01>
9. Naoki Matsuhira - IPv6 address mapping encapsulation *(10 mins)*
   <draft-matsuhira-me6e-fp-00.txt>