

# Network Virtualization Overlays (NVO3) Working Group

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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>  
Archive: <http://www.ietf.org/mail-archive/web/nvo3/index.html>

# 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

# Document Status - 2

## 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
  - Liasion 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>