

Network Virtualization Overlays (NVO3)

NVO3 Meeting, IETF 87,
Berlin

Benson Schliesser (benson[@queuefull.net](mailto:benson@queuefull.net))

Matthew Bocci (matthew.bocci[@alcatel-lucent.com](mailto:matthew.bocci@alcatel-lucent.com))

Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- ❖ **By participating with the IETF, you agree to follow IETF processes.**
- ❖ **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**
- ❖ **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

Administrivia

- Blue Sheets
- Note takers + Jabber Scribe
- Mailing List:

General Discussion: nvo3@ietf.org

To Subscribe: nvo3-request@ietf.org

In Body: subscribe your_email_address

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

Meeting Objectives (Priority order)

- Progress current milestones
- Progress gap analysis and architecture
- See <http://tools.ietf.org/wg/nvo3/charters> for more information.

Agenda -1

Opening Intro (10 min)

- a. Blue sheets, agenda bash, status update – Chairs – 10 mins

WG Updates

- b. Framework – Marc Lasserre – 10mins
draft-ietf-nvo3-framework
- c. Use Cases – Lucy Yong – 10 mins
draft-ietf-nvo3-use-case

Agenda -2

Requirements and Gap Analysis – 70 mins

- d. Data Plane Requirements – Marc Lasserre – 10 mins
draft-ietf-nvo3-dataplane-requirements
- e. Operational Requirements – Tina Tsou – 10 mins
draft-ashwood-nvo3-operational-requirement
- f. Security Requirements – Dacheng Zhang – 10 mins
raft-hartman-nvo3-security-requirements
- g. Gap Analysis – Nabil Bitar– 30 mins
draft-gbclt-nvo3-gap-analysis

Agenda -3

Architecture – 30 mins

- h. Architecture – Design Team – 30 mins
draft-narten-nvo3-arch

New Drafts (Time Permitting)

- k. Trill Directory NVA Gap Analysis – Linda Dunbar – 10 mins
draft-dunbar-nvo3-nva-gap-analysis
- l. NaaS Requirement in CDC – TBD – 10 mins
draft-li-nvo3-clouddatacenter-requirement

Changes to Milestones

Done ~~Dec 2012~~ -- Problem Statement submitted for IESG review

August 2013 ~~Dec 2012~~ - Framework document submitted for IESG review

Dec 2013 ~~2012~~ - Data plane requirements submitted for IESG review

Feb 2014 ~~Dec 2012~~ -- Operational Requirements submitted for IESG review

Feb 2014 ~~Dec 2013~~ -- Control plane requirements submitted for IESG review

Mar 2014 ~~2013~~ - Gap Analysis submitted for IESG review

Apr 2014 ~~2013~~ - Recharter or close Working Group

Working Group Document Status

- draft-ietf-nvo3-overlay-problem-statement
 - IESG approved
 - New version just posted (v04)
- draft-ietf-nvo3-framework
 - Last Call Completed
- draft-ietf-nvo3-dataplane-requirements
 - Ready for last call?
- NVE-NVA Control Plane requirements
 - Just adopted
 - draft-ietf-nvo3-nve-nva-cp-req-00

Working Group Document Status

- draft-ietf-nvo3-use-cases
 - On agenda
- draft-ietf-nvo3-mobility-issues
 - On going

Status of NVGRE and VXLAN

- NVGRE:
 - draft-sridharan-virtualization-nvgre-02.txt
- VXLAN:
 - draft-mahalingam-dutt-dcops-vxlan-04.txt
- Widely implemented and deployed
- Need a stable reference for NVO3 and L3VPN
 - No current ‘home’ in IETF

Status of NVGRE and VXLAN

- Propose we adopt these drafts in NVO3 as informational
 - Charter update required
 - Note: does not include related drafts

Question: Should we document the protocols as-is?