Network Virtualization Overlays (NVO3)

NVO3 Meeting, IETF 89, London

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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.

WG Secretary

- Sam Aldrin has volunteered to be secretary
- Thanks!

Agenda -1

Opening Intro (10min)

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

WG Updates

2. Gap Analysis – Eric Gray – 20 mins
   draft-ietf-nvo3-gap-analysis-00

3. Security Requirements for NVO3 – Dacheng Zhang – 10 mins
   draft-ietf-nvo3-security-requirements-01

4. NVO3 Architecture – Design Team – 10 mins
   draft-ietf-nvo3-architecture-01

Next Steps   – Chairs – 15 mins

Other Drafts – 55 mins

6. NVO3 Fault Management   (Tissa Senevirathne, 10 min)

   draft-tissa-nvo3-oam-fm-00.txt

Agenda - 2

7. Generic Overlay OAM and Datapath Failure Detection   (Kanwar Singh, 5 min)
    draft-jain-nvo3-overlay-oam-01.txt

8. Geneve: Generic Network Virtualization Encapsulation   (Pankaj Garg, 10 min)
     draft-gross-geneve-00.txt

9. Multicast Issues in Networks Using NVO3   (Ramki Krishnan/Linda Dunbar, 10 min)
     draft-ghanwani-nvo3-mcast-issues-01

10. Network Virtualization Edge (NVE)   (Lucy Yong, 10 min)
     draft-yong-nvo3-nve-03

11. Layer 2 Gateway (L2GW)   (Frank Xialang, 10 min)
     draft-xia-nvo3-l2gw-00

===== If time allows ====

12. NaaS (Network as a service) requirement   (Vic Liu, 5 mins)
    draft-Liu-nvo3-NaaS-requirement-00

Milestones

Done - Problem Statement submitted for IESG review

Nov 2013 - Framework document submitted for IESG review

Dec 2013 - Data plane requirements submitted for IESG review

Feb 2014 - Operational Requirements submitted for IESG review

Feb 2014 - Control plane requirements submitted for IESG review

Mar 2014 - Gap Analysis submitted for IESG review

Apr 2014 - Recharter or close Working Group

- Need to add milestones for Architecture and Use Cases

Document Status - 1

- New RFCs
  - None yet

- RFC Editors Queue
  - draft-ietf-nvo3-overlay-problem-statement
    - Mis-ref to draft-ietf-nvo3-framework

Document Status - 2

- draft-ietf-nvo3-framework
  - With Stewart
- draft-ietf-nvo3-dataplane-requirements
  - Completed WG Last Call
  - No comments - needs further review
- draft-ietf-nvo3-use-case
  - On going
- draft-ietf-nvo3-mobility-issues
  - On going

Document Status - 3

- draft-ietf-nvo3-nve-nva-cp-req
  - On going
- draft-ietf-nvo3-gap-analysis
  - On agenda
- draft-ietf-nvo3-security-requirements
  - On agenda
- draft-ietf-nvo3-arch-01
  - On agenda

Next Steps Discussion -1

- Objective:
  - Recharter to adopt solutions, or shutdown if no work to do
- Tools:
  - Gap Analysis
  - Architecture
- Primary background documents:
  - Control and data plane requirements

Next Steps Discussion – 2

- Data plane / control plane requirements/ frameworks need to be completed
  - Please review and send comments to the list
  - Chairs will also appoint reviewers
- Gap analysis and architecture also need input based on deployed solutions
  - Please provide input

Next Steps Discussion - 3

- NVO3 could be in a position to adopt data and contorl plane solutions that have no home elsewhere

- There are solutions that need a home to develop extensions e.g. VXLAN, NVGRE

- Needs a revised NVO3 charter