Network Virtualization Overlays (NVO3)

NVO3 Meeting, IETF 88, Vancouver

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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 (15min)

1. Blue sheets, agenda bash, status update – Chairs – 15 mins

WG Updates

2. Data Plane Requirements – Marc Lasserre – 5 mins
   draft-ietf-nvo3-dataplane-requirements-01

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

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

Agenda -2

Architecture Discussion – 20 mins

5. NVO3 Architecture – Design Team – 20 mins
   draft-narten-nvo3-architecture-01

6. NVE<->NVA communication for TRILL/LISP (Linda Dunbar, 10 min)
   draft-dunbar-nvo3-nva-gap-analysis-01

Next Steps – 20 mins

7. Next steps discussion led by chairs

Agenda -3

Other GA/Applicability Statements – 60 mins

8. VXLAN L3VPN Encap   (Lucy Yong, 15 min)
     draft-yong-l3vpn-nvgre-vxlan-encap-03.txt

9. GRE in UDP
         draft-yong-tsvwg-gre-in-udp-encap-02.txt

10. Generic Protocol Extensions in VXLAN   (Paul Quinn, 5 min)
         draft-quinn-vxlan-gpe-01.tx

11. DHCP and Multicast Addresses in VXLAN   (B. Sarikaya, 5 min)
         draft-sarikaya-dhc-vxlan-multicast-02.txt

12. L2TP Virtualization Profile.   (Frank Xialiang, 5 min)

===== slides not received ======

13. LISP Control Plane   (Yves Hertogs, 10 min)
         draft-hertoghs-nvo3-lisp-controlplane-unified-00.txt

14. ForCES as NVE to NVA Control Protocol.   (Jamal Hadi Salim, 10 min)
         No draft

Changes to Milestones
Updated!

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

Nov 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

- 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
  - Awaiting update following WG LC
- draft-ietf-nvo3-dataplane-requirements
  - On agenda
- 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
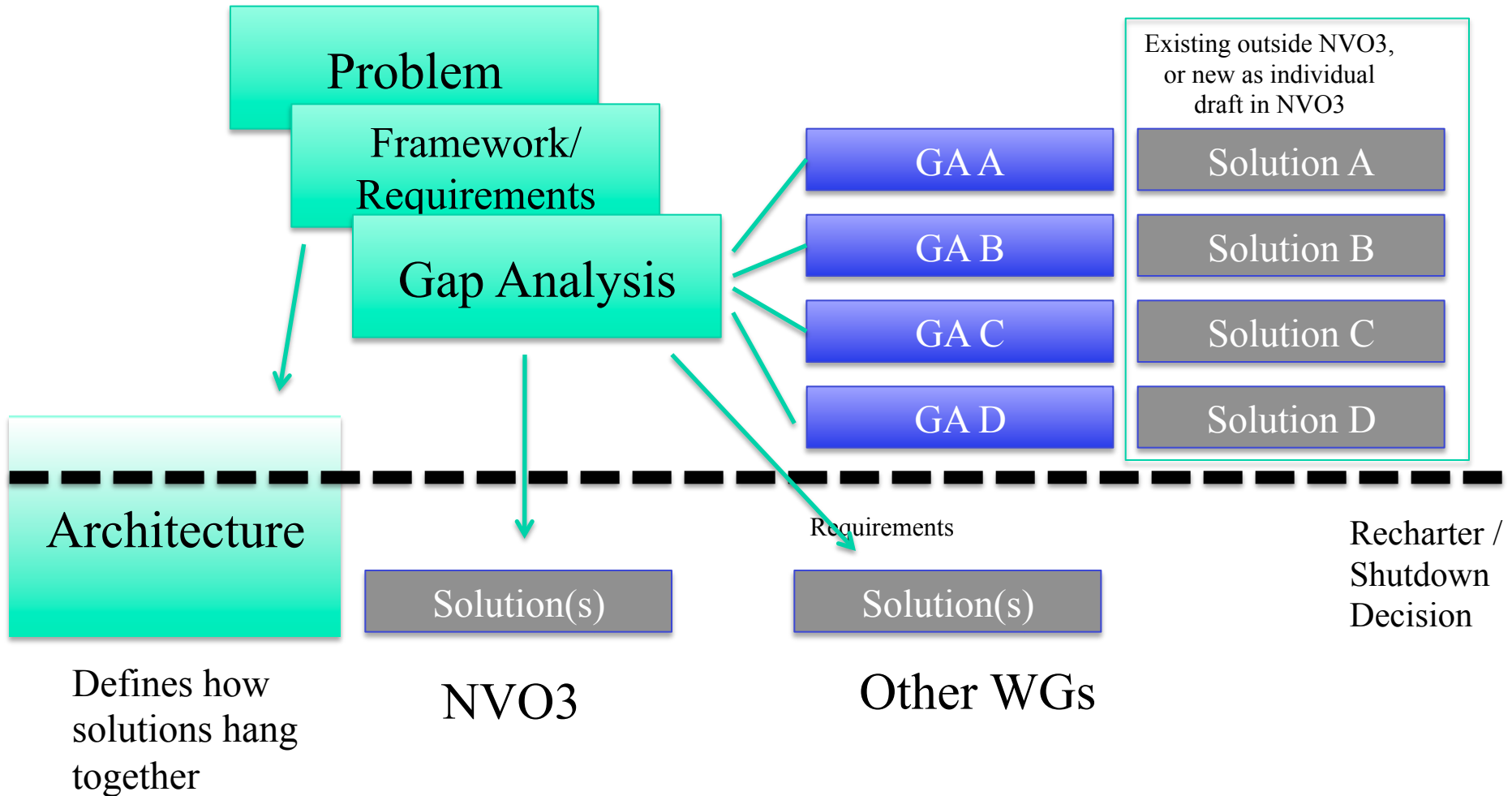- draft-ietf-nvo3-security-requirements
  - On agenda

Next Steps Discussion -1

- Process to rechartering for solutions (from Orlando IETF):

Requirements → Gap Analysis → Decision → Shutdown / Recharter
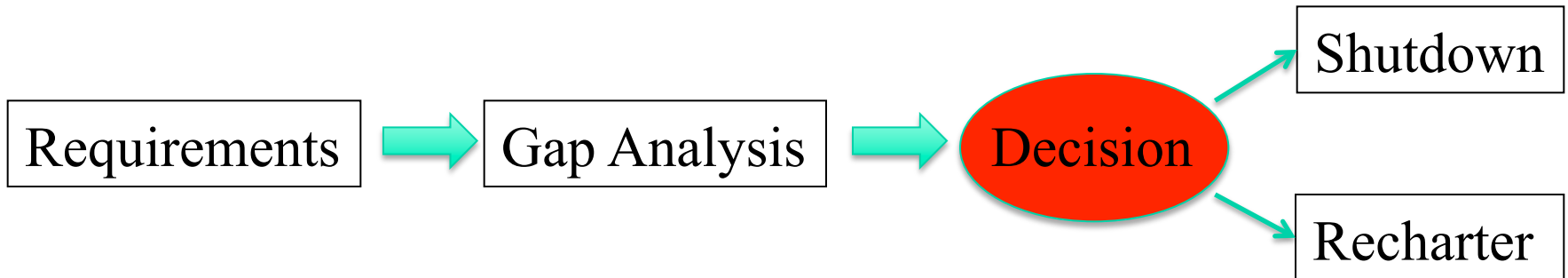
Next Steps Discussion – 2 Documents

Next Steps Discussion - 3

Decisions needed:

1. Do not need a new data plane

2. Look for consensus on 2 or 3 existing encaps

3. Control plane needs to support multiple data planes and NVO3 architecture

Chairs will ask list for WG consensus for data plane:

   Document consensus in individual drafts

   Any extensions will be evident from gap analysis