

NV03 Control Plane Roundtable Discussion Summary and Next-steps

30-March-2017

Past Discussion at IETF 97

- Discussed various aspects of the Control Plane...
 - Discovery vs. Management vs. Control
- <https://www.ietf.org/proceedings/97/slides/slides-97-nvo3-sessa-control-plane-roundtable-materials-00.pdf>

Existing Requirements

- NVA-NVE Control Plane Requirements already documented
 - Expired, can be revived with further progress...
 - <https://tools.ietf.org/html/draft-ietf-nvo3-nve-nva-cp-req-05>
- Split-NVE
 - Referred to IEEE ... Please review the VDP document!
 - <https://tools.ietf.org/html/draft-ietf-nvo3-hpvr2nve-cp-req-06>

Discussion Yesterday

- Affirmed a couple points from previous break-out discussion:
 - Management interface needs to be defined by NVO3
 - Split-NVE control plane is being defined by IEEE
- Agreed to talk about control plane in two interfaces:
 - NVA – NVA
 - NVA – NVE
- Identified existing protocols that apply

Existing Protocols

	NVA - NVA	NVA - NVE
BGP EVPN	X	X
BGP L2VPN, L3VPN	X	X
LISP DDT	X	
LISP MR		X
OVSDB (schema TBD)		X
YANG / Netconf		?

Next Steps

- Write this stuff down
 - I.e., write a draft (better than these slides)
- Discuss on mailing list
 - Is the list complete?
 - Better define the spec for each proto?
 - Compare each proto against requirements?
 - ...pick one?
- How to make timely progress
 - Consider a design team approach?
 - Interim meeting focused on this topic?

Control Plane

- EVPN Overlay
- LISP
- OVSDB
- OF + OVSDB → Not well spec.

