

NVO3: Network Virtualization Problem Statement

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draft-narten-nvo3-overlay-problem-statement

- How we got here
 - Initial version published September, 2011
 - Presented in L2VPN session in Taipei (Nov, 2011)
 - Formal NVO3 BOF Paris (March, 2011)
- Version -03 based on comments/iteration on mailing list, main thrust:
 - Clarifying text
 - Removing biases seen as unfairly favoring or disfavoring a particular approach
- Most iteration seems to have resulted in agreement
- Some text may need further iteration (e.g., “VRF” thread on mailing list) – no surprise, this is not WG LC!

Relationship with VPN4DC draft

- Held discussions this week with VPN4DC draft authors
- Identified specific issues with draft-narten-nvo3-overlay:
 - Some sub-sections of Section 2 “Problem” were not actually written as problems
 - We agree, have proposed alternate text
 - Move subsections elsewhere, reword some text
 - Section 3.1 “Limitations of Existing Virtual Network Models” doesn't quite fit under Section 3 “Network Overlays”
 - Proposed fix: Pull out of Section 3 and move to its own Section, further divide into L2 and L3 subsections

draft-fang-vpn4dc-problem-statement

- Identified issues (continued):
 - Some additional wording changes requested
 - Revised text has been proposed
 - Ensure L2VPN and L3VPN related work is given equal coverage
 - One specific issue identified for addition to “Problem” section (“avoidance of trombone routing”)
 - Waiting for proposed text from VPN4DC authors
- Current status:
 - Waiting for VPN4DC authors to review proposed changes
 - Waiting for VPN4DC authors to provide text on one issue

Next Steps

- Closure on identified issues with VPN4DC authors
- Respond to recent review comments on list (Dave McDysan, Janos Farkos, ...)
- Document is not finalized
 - Further iteration is (of course) needed
- Believe document is ready for WG adoption
 - Solid basis on which WG can focus its efforts going forward

Acknowledgments

This effort stems from the work/input of many others...

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Especially appreciate some of the private interactions with those more familiar with BGP/MPLS/etc. than I.