NVO3: Network Virtualization Charter Discussion

Thomas Narten
narten@us.ibm.com

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Charter Overview

- Key problem/solution area is L2 (Ethernet) over L3 (IP)
  - Consider IP over IP (as an optimized version of Ethernet over IP)
    - “safest” to provide L2 service, but workload increasingly all IP
- Develop architecture/framework that is layer agnostic
  - Should there be a need for a different Layer-x over Layer-y, allow reuse of NVO3 work
  - No intention for this WG to define these in general
- Need for due-diligence in reviewing existing IETF work for applicability for NVO3
  - Carefully articulate requirements
  - Gap analysis between needs and what existing technologies can do
Deliverables (Overview)

- Proposal is traditional IETF WG approach
- Layout the problem statement
  - We have a start, but recognize more details are needed to get to the exact detailed issues
  - On the control protocol aspects, better document the components and where the interoperability needs are
- Document a the general architecture/framework
- Review existing technology/standards and do a gap analysis
- Develop one or more solutions (which may involve leveraging existing work)
Deliverables (Details)

- Problem Statement (Informational RFC)
- Framework document (Informational RFC)
- Control plane requirements document (Informational RFC)
- Data plane requirements document (Informational RFC)
- Gap Analysis (Informational RFC)
- Recharter for Standards Track solution document(s) as appropriate