NVO3: Network Virtualization
Charter Discussion

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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