Network Virtualization Overlay Use Cases

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General Use Cases for NVOs

Three sets of use cases described in the draft

1. Network Virtual Overlay (NVO) in a DC
2. Interconnecting an NVO with an external network
   - Access via Internet
   - Access via WAN VPN
3. DC Applications using NVO3
   - Supporting multiple technologies in a Data Center
   - Multiple virtual networks in a tenant network in DCs
   - NVOs for Virtual Data Center (vDC)
Update from Last Version

• Add option B, C, D in RFC4364 as alternatives for NVO access external networks via WAN VPN

• Align the term with the framework document
  – e.g. replace “Tenant End System”, and “TES” with “Tenant System”, and “TS”

• Editing
  – Address some comments on the mailing list
  – Make the description more clear

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Remaining Comments on Mailing List

• Additional use cases (Vinay from PayPal)
  – Virtual network zoning, allow placing policy and firewall between zones.
  – Multiple webhost applications for one customer

• Traffic Management Considerations (Ramki from Brocade)

Working on the issues with the people and will address them in the next version
Next Step

• Address the remaining comments
• Solicit other comment and feedback
• Move toward WGLC prior to IETF87