Gap Analysis on Network Virtualization Activities

draft-bernardos-nfvrg-gaps-network-virtualization-03

Carlos J. Bernardos, Akbar Rahman, Juan C. Zúñiga, Luis M. Contreras, Pedro Aranda

Yokohama, NFV RG, November 2015
Objectives

• Provide an overview and survey of the efforts around virtualization at the IETF/IRTF
  – Special focus on NFV and SDN
  – Example use case: mobile networks

• Mapped to the most relevant efforts taking place outside IETF:
  – ETSI NFV ISG
  – ETSI MEC ISG
  – ONF
  – Open Source initiatives
  – …
IETF/IRTF initiatives and gaps

• Currently organized around WGs:
  - SFC WG
  - NVO3 WG
  - DMM WG
  - I2RS WG
  - BESS WG
  - TEAS WG
  - I2NSF WG
  - IPPM WG
  - NFV RG
  - SDN RG
  - VNFPool BoF

• 12 potential gaps identified so far
Changelog

• Addressed comments from reviews received since last IETF:
  - Dirk von Hugo
  - Rafa Marin
  - Diego Lopez
  - Ramki Krishnan
  - Kostas Pentikousis

• Added new sections 3.{4,5,6} and content on A.1
Next steps

• The I-D can help identifying new work on network virtualization that needs to be done in IETF/IRTF
  – Linking work items with other relevant SDOs
• May be used to drive new work at IETF/IRTF
  – It can help the NFV RG scoping its work

• Adoption as RG document?