Special Session
Friday, July 22, 2016

Joint SDNRG/NFVRG/NMRG meeting

"Managing Virtualized and Programmable Networks"

Chairs:
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NFV RG: Ram Krishnan, Diego Lopez(*)
SDN RG: Daniel King, Kohei Shiomoto(*)

Session Chairs(*)

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Administrative

- Charter & Wiki
  - irtf.org/sdnrg
- Mailing List
  - ietf.org/mail-archive/web/sdn/current/maillist.html
- Today's proceedings
  - https://datatracker.ietf.org/meeting/96/materials.html#sdnrg
- Remote participation
  - https://www.ietf.org/meeting/96/remote-participation.html
  - xmpp:sdnrg@jabber.ietf.org
  - http://www.meetecho.com/ietf96/sdnrg
- Note Takes and Scribes (Thanks!)
  - Minute Taker – Haomian and Catalin (?)
  - Jabber – Will and Dan (?)

Joint SDNRG/NFVRG/NMRG meeting

"Managing Virtualized and Programmable Networks"

- The goal of the meeting is to investigate the problems, challenges, and gaps in the management and operations of programmable and virtualized networks in order to help develop a more comprehensive and insightful view of future networks.
- In particular, we are interested in contributions which relates novel research ideas, achievements and experiences on:
  - Techniques and tools for the management and operation of NFV and SDN networks,
  - How virtualization and programmability impact network management and operations.

Agenda (1/2)

- 0. Introduction
  - Laurent Ciavaglia, Diego Lopez, and Kohei Shiomoto (5 Minutes)

- 1. Network operator Challenges for Commercial SDN Environments
  - Ariel Gu (China Mobile) (10 Minutes)
- 2. Techniques and tools for the management and operation of NFV and SDN networks
  - Evangelos Haleplidis (10 Minutes)
- 3. SDN Architecture and Use Cases for PCE-based Central Control
  - Adrian Farrel (Olddog) (10 Minutes)
- 4. Network Scheduling in Software-defined Environments
  - Tal Mizrahi (Marvell and Technion) (10 Minutes)
- 5. Authentication and Authorization in Wired OpenFlow-based Networks using 802.1X
  - Frederik Hauser (Uni-tuebingen) (10 Minutes)

Agenda (2/2)

- 6. Limitations of Optimization for Multi-site NFV Network Service Delivery
  - Andy Veitch (NetCracker) (10 Minutes)
- 7. Managing Virtualized and Programmable Networks
  - Yimeng Zhao (telecom-paristech) (10 Minutes)
- 8. VNF Benchmark as a Service
  - Robert Szabo (Ericsson) (10 Minutes)
- 9. The abstract art of composing SDN applications
  - Pedro Aranda (Telefonica) (10 Minutes)
- 10. Control as a minimal common denominator for future networking
  - Artur Hecker (Huawei) (10 Minutes)

- 11. Discussions (10 Minutes)
- 12. Closing (5 Minutes)

Presenters are asked to …

- Overview of your core of ideas and what research challenges exist
- Outline research directions and applicability to IRTF/IETF discussion/WGs and work
- Consider the SDN, IETF and ancillary control/ management principles/models