WP4: Standardisation, Dissemination & Exploitation

Diego Lopez (TID)

mami

measurement and architecture for a middleboxed internet

measurement | architecture | experimentation

A Few Remarks on the WP4 Tasks

- Standardisation
  - Key aspect, taking into account project technical goals
  - Significant results from all the other WPs
- Publications, Workshop and Conference Activities
  - Supported by previous encouraging results
- Exploitation and Innovation Management
  - Connected with ongoing initiatives of the industrial partners
- Academic Exploitation
  - Activity follow-up through the project collaboration mechanisms
- Public Communication Activities
  - Steps taken even before the official start of the project
- Middlebox Observatory Web Site Development and Maintenance
  - Data management and accessibility

Recent Dissemination Activities

- Presentation at CleanSky Conference, Feb 29, Heidelberg
  - http://www.cleansky-itn.org/conference-series/heidelberg/
  - M. Kühlewind: Middlebox Measurements and Cooperation
- Invited talk at ICIN 2016, March 1, Paris
  - http://www.icin.co.uk/
  - M. Kühlewind, B. Trammell: A Vision for Explicit Path-Cooperative Transport
- **Upcoming**: Talk at Cisco/Ecole Polytechnique Networking Innovation and Research Symposium, 7/8 March, Paris
  - http://www.cisco.com/web/FR/events/2016/ecole_polytechnique/index.html
  - B. Trammell: On Explicit In-Band Measurement

Standardisation Targets

- IETF/IRTF
  - TAPS
  - MAPRG (was HOPSRG)
  - SPUD/ACCORD
  - I2NSF (probably)
  - NFVRG: VNF deployment. Trust models and network-application communication
- ETSI
  - NFV: Management and orchestration for MAMI-enhanced VNFs
  - MEC: MAMI-enhanced VNFs as part of mobile edge (fog computing) deployments
  - NGP: Middlebox-friendly transport / transport-friendly middleboxes
- ONF: App-network interfaces as part of the intent NBI initiative
- The 5G frenzy

Guidelines for a Data Management Plan

- Managing the data generated by measurements
  - Open access to that data
- “Data Management Plan” has a specific meaning in H2020 projects
  - What types of data will the project generate/collect?
  - What standards will be used?
  - How will this data be exploited and/or shared/made accessible for verification and re-use?
  - How will this data be curated and preserved?
- And in addition: How will this data contribute to the project innovation impact?
- The project targets
  - Data Management Plan to be available by Month X
  - Considering Management of
    - Raw data derived from MAMI measurements (stored at the MAMI observatory)
    - Data generated through the query interface (dynamically generated by the MAMI observatory)
    - MAMI software (stored at Github)

Data Access Policy

- Anyone can query data in the MAMI observatory
  - MAMI-created raw data in the observatory are "all rights reserved" and will be given out to researchers on a contractual basis
  - Query results are CC BY
  - ND and NC are not essential – Even could hamper further exploitation, especially NC
- Anyone can (try to) combine data sets obtained through MAMI queries with other data
- We'll host data not originating in MAMI on a best-effort basis
  - Data that's not available online elsewhere
  - Data that's available but would be nice to have close to MAMI
  - Would not host if foreign data is not compatible with MAMI's d/l policy
  - But we are open to specific agreements with third parties
- Only authorised people can upload data sets
  - Authorisation easy to get, through old-person's network
  - Build or expand old-person's network if necessary
- MAMI data has priority