

WP4: Standardisation, Dissemination & Exploitation

Diego Lopez (TID)



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 4
 - 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/I 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