Measurement and Analysis for Protocols
Research Group (maprg)
Bangkok, Nov 6, 2018
IETF103

co-chairs <maprg-chairs@ietf.org>:
Mirja Kühlewind <mirja.kuehlewind@tik.ee.ethz.ch>
Dave Plonka <dave@plonka.us>

Intellectual Property Rights (IPR)

The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules. This is a summary of these rules as they relate to IRTF research group discussions, mailing lists and Internet Drafts:

• If you include your own or your employer's IPR in a contribution to an IRTF research group, then you must file an IPR disclosure with the IETF.

• If you recognize your own or your employer's IPR in someone else's contribution and you are participating in the discussions in the research group relating to that contribution, then you must file an IPR disclosure with the IETF. Even if you are not participating in the discussion, the IRTF still requests that you file an IPR disclosure with the IETF.

• Finally, the IRTF requests that you file an IPR disclosure with the IETF if you recognize IPR owned by others in any IRTF contribution.

The IRTF expects that you file IPR disclosures in a timely manner, i.e., in a period measured in days or weeks, not months. The IRTF prefers that the most liberal licensing terms possible are available for IRTF Stream documents, see RFC 5743. You may file an IPR disclosure here: http://www.ietf.org/ipr/file-disclosure

See RFC 3979 (BCP 79) for definitions of "IPR" and "contribution" and for the detailed rules (substituting "IRTF" for "IETF").

Administrativa

- Charter: https://datatracker.ietf.org/group/maprg/charter/

- Mailing List: maprg@irtf.org
  Subscriptions: https://www.irtf.org/mailman/listinfo/maprg

- Today's slides: https://datatracker.ietf.org/meeting/103/session/maprg/

- Remote participation
  Meetecho: http://www.meetecho.com/ietf103/maprg
  Jabber: xmpp:maprg@jabber.ietf.org?join

What we did based on feedback from last time...

- Spam'ed related working group list to announce talks -> no complains to far :-)

- If you gave a talk, please consider to also write an IETF blog post about your maprg contribution (and IETF experience)

    First post by Jan Rüth and Torsten Zimmermann was published on Sep 1: https://www.ietf.org/blog/researchers-first-encounter/?primary_topic=6&

    Thanks!

    Is there interest in efforts to get/share data or at least making sure data is publicly available? E.g. ask speakers to fill a template with information about data?

- Willing organize a MAPRG measurement project at hackathon at IETF-104 in Prague...

Candidate MAPRG Hackathon projects (IETF 104)

- *Real-world ECN measurements*
  Prior work in this area w/LEDE/Juniper/Akamai/Apple gear and Flent (https://flent.org/) was done at the Hackathon at IETF 101.

- *DNS-scaling measurements*
  This could emply LDplayer (https://ant.isi.edu/software/ldplayer/). For instance, it can purportedly be used to test the impact of converting to DNS over TLS, DNSSEC, or supporting the EDNS0 Client Subnet extension.

- *Other ideas?* Please share or send to the mailing list!

Select works of interest from IMC 2018, available at:
https://conferences.sigcomm.org/imc/2018/program/

- **"Clusters in the Expanse: Understanding and Unbiasing IPv6 Hitlists"**

- **"In the IP of the Beholder: Strategies for Active IPv6 Topology Discovery"**

- **"Who Knocks at the IPv6 Door? Detecting IPv6 Scanning"**

- **"BGP Communities: Even more Worms in the Routing Can"**

- **"A First Joint Look at DoS Attacks and BGP Blackholing in the Wild"**

- **"Coming of Age: A Longitudinal Study of TLS Deployment"**

- **"A Long Way to the Top: Significance, Structure, and Stability of Internet Top Lists"**

- **"Three Bits Suffice: Explicit Support for Passive Measurement of Internet Latency in QUIC and TCP"**

- **"Comments on DNS Robustness"**

- **"LDplayer: DNS Experimentation at Scale"**

Agenda

16:10 **Intro & Overview** *(chairs)*

16:20 ***Heads-up talk:*** **Privacy and Security Issues in IPv6 Deployment** *(Tobias Fiebig*)

16:25 **A Tale of Two Checksums** *(Gorry Fairhurst*)

16:35 **QUIC performance over a satellite public Internet acces** *(Nicolas Kuhn*)

16:50 **Evaluating the Performance of CoAP, MQTT, and HTTP in Vehicular Scenarios**
      (Jaime Jimenez)

17:10 **The Rise of Certificate Transparency and Its Implications on the Internet Ecosystem**
      (Matthias Wählisch)

17:30 **Is the Web Ready for OCSP Must Staple?** *(Nick Sullivan*)