IETF Hackathon

IETF 108
L4S Summary
July 20-24, 2020
Online

Hackathon Plan

- What problems were you working on?
  - ns-3 simulation models for L4S, and testbed configuration
- What drafts/RFC's were involved?
  - draft-ietf-tsvwg-aqm-dualq-coupled-11
  - draft-ietf-tsvwg-l4s-arch-06.txt
- Specific problems to solve
  - TCP Prague RTT independence, L4S-aware FQ/CoDel, integration
- Create and experiment with integrated source tree; try to validate against Linux testbed results

What got done

- Key results
  - Integrated ns-3 Git branch with many L4S components; preparing for ns-3.32 release (Sept)
  - Images and documentation about how to instantiate an L4S testbed on CloudLab
  - Code:
    - https://gitlab.com/tomhenderson/ns-3-dev/tree/hackathon/master
    - https://gitlab.com/tomhend/modules/l4s-evaluation/tree/hackathon/master
  - Wiki: https://www.nsnam.org/wiki/Sprints#IETF_108_Hackathon.2C_July_20-23.2C_2020
  - No interop done at this hackathon (future interop possible)
  - No demos yet...

What we learned

- Lessons learned
  - Issues with existing drafts/RFCs: None found this week
  - New implementation guidance: None this week
  - New feedback to take to WG: None yet
  - New work to take to WG: None

Wrap Up

Team members:

Tom Henderson, Mohit Tahiliani, Ashutosh Srivastava, Deepak K., Harsha S., Bhaskar K.

First timers @ IETF/Hackathon:

Deepak, Harsha, Bhaskar, Ashutosh

ns-3: https://www.nsnam.org

NYU Wireless: https://wireless.engineering.nyu.edu