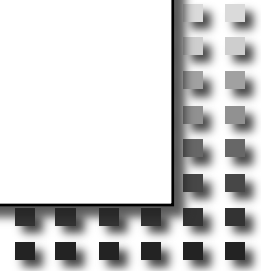




L4S & AccECN Interop Event @ IETF Hackathon

**IETF 120
20–26 July 2024
Vancouver, Canada**



Hackathon Plan

- What problem were you working on?
 - L4S Congestion Control coexistence
 - TCP AccECN
- Network Setup for Testing
 - GPON network emulator with L4S
 - Nokia Wi-Fi AP with L4S
- L4S Congestion Control Implementations
 - Netflix Simple Rate Control
 - UDP-Prague (new open source CCA)
 - Apple QUIC-Prague
 - Linux TCP Prague
 - New v6 kernel patches!

Interop testing runs all week:

Sat – Sun: @ Hackathon

Mon – Fri: Brighton Room (4th floor)

Relevant RFCs:
9330, 9331, 9332

draft-ietf-tcpm-accurate-ecn-30

What got done, so far

- [New set of L4S patches for ARM / kernel v6](#)
 - GitHub link above
 - Includes:
 - AccurateECN
 - TCP Prague
 - Dual-PI2
- Integration and Testing of [New Open Source UDP-Prague](#) CC Object
 - For applications, including video, QUIC, webRTC, etc.
 - New features to be added, please try it and send comments
 - Integration in [iPerf2](#)
 - As: “--udp-l4s” & “--udp-l4s-video” options
- Added ECN support to TCP BlackBox Logging on FreeBSD.
- Validated incremental improvement of Netflix Simple Rate Control with L4S

Wrap Up

Team members:

Bob McMahon, Broadcom

Chia-Yu Chang, Nokia

Greg White, CableLabs

Koen De Schepper, Nokia

Michael Tüxen, FH-Münster

Paul-Louis Ageneau, Netflix

Peter Lei, Netflix

Rod Grimes, FreeBSD

Scott Danahy, Netflix

Stuart Cheshire, Apple

First timers @ IETF/Hackathon:

Scott Danahy