L4S Interoperability Events

Greg White
TSVWG @ IETF118
Nov 9, 2023
L4S Interop Activities

• IETF Interops
  • First IETF L4S Interop (IETF 114) – Philadelphia, July 2022
  • Second IETF L4S Interop (IETF 115) – London, November 2022
  • Third IETF L4S Interop (IETF 117) – San Francisco, July 2023
  • Fourth IETF L4S Interop (IETF 118) – Prague, November 2023
    ➔ currently going on in Ballroom Foyer

• CableLabs Interops
  • Four L4S Interops hosted at CableLabs (Denver, USA)
    • October 2022, January 2023, April 2023, September 2023

• Upcoming Opportunities
  • Next CableLabs L4S Interop – Denver, December 4-8, 2023 [ Registration is open ]
  • Next IETF L4S Interop – IETF 119 Brisbane, March 2024

  • Interested participants contact: Greg White g.white@cablelabs.com
Participants:
L4S Congestion Control Implementations

• Linux TCP Prague
• BBRv2
• Apple QUIC-Prague
• NVIDIA GeForce Now
• Nokia RT-Prague
• Excentis ByteBlower
• SCReAM V2
• quic-go prague
• Netflix rate controller

Also – TCP AccECN Implementations:
• Linux
• FreeBSD
• MacOS
• Wireshark

New at IETF-118
Participants:
L4S Network Implementations

• DOCSIS CM (more than 10 models)
• DOCSIS CMTS (Casa, CommScope, Cisco)
• Wi-Fi (Nokia)
• Home Router (Google Nest)
• 5G RAN (Ericsson, Nokia)
• GPON (Nokia)