L4S Interoperability Events

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TSVWG @ IETF120
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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
  • Fifth IETF L4S Interop (IETF 120) – Vancouver, July 2024

• CableLabs Interops
  • Seven L4S Interops hosted at CableLabs (Denver, USA)
    • October 2022; January, April, September, December 2023; February, April 2024

• Over 20 organizations have participated, averaging ~30 participants per event
What got done this time:

• New set of Linux kernel patches for L4S
  • Includes: AccurateECN, TCP Prague, Dual-PI2
  • GitHub links:
    • kernel 6.1
    • kernel 6.6
    • kernel 6.6 (ARM/RPi)
• Integration, Bug-fixes 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
Upcoming Opportunities

• Next CableLabs L4S Interop – Denver, August 5-9
  • Registration is open

• Next IETF L4S Interop – IETF 121 Dublin, November 2024

• Interested in participating?
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