

L4S Interoperability Events

Greg White

TSVWG @ IETF121

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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
- [Sixth IETF L4S Interop](#) (IETF 121) – Dublin, November 2024

- CableLabs Interops

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

- Over 20 organizations have participated, averaging ~30 participants per event

What got done this time, so far

- Netflix Simple Rate Controller (NSRC) for cloud gaming
 - Successfully tested with both local and remote servers
 - Competes fairly with TCP Prague
 - Also tested against Google Chrome libwebrtc client – discovered interop issue, [RFC8888 errata reported](#).
- Google Chrome QUIC
 - Successfully sent ECT1 and saw AckECN returned
- UDP-Prague & iperf2
 - Added rate-limitation mode
- NVIDIA GeForceNow webRTC / Google Chrome libwebrtc
 - Successfully tested using NVIDIA game server in London and local Chrome client
 - Pacing in sender for webRTC has not yet been aligned with the native implementation

Upcoming Opportunities

- Next CableLabs L4S Interop – Denver, November 18-22
 - [Registration is open](#)
- Next IETF L4S Interop – IETF 122 Bangkok, March 2025
- Interested in participating?
 - contact: Greg White g.white@cablelabs.com