

# Qlog

IETF 124 – Montreal – 2025-11

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# Since IETF 123

- Had 1 interim meeting
- Published 1 set of new drafts
  - Solved most remaining issues. Mostly renaming/re-organizing some fields for consistency.
  - 10 open [issues](#), 3 [PRs](#)
- 2 blocking issues that need resolving before WGLC:
  - New: Expand scope for capsule protocol / reliable stream reset?
  - Old: Serialization format, the ~~second, third, fourth~~, fifth coming

# But first... tooling!

- Lucas Pardue *finally* released new open source tools!
  - qlog-dancer: <https://github.com/cloudflare/quiche/pull/2230>
  - qlog and netlog (chrome format) analysis and report generation
    - Command line for batch processing, online web app for noodling
- qvis is *finally* getting an update
  - Upgrade JavaScript framework (50% done)
  - Support latest qlog version import
  - Fix some long-standing issues + add support for new things (e.g., WebTransport from netlog, multipath basics)
  - Follow along at <https://github.com/quiclog/qvis/tree/v2>
  - (plan is to **deprecate** support for earlier qlog after this, but will keep current v1 tool online as-is without updates)

...and second, qlog definition and use outside this WG

- [draft-ietf-tsvwg-careful-resume-qlog](#)
- [draft-pardue-moq-qlog-moq-events](#)
- [draft-engelbart-qlog-roq-events](#)
- Hallway conversation indicate interest in more event schema outside our scope e.g. SCONE or HTTP/2

Completing the core documents will unblock these other efforts.

# Expand qlog scope [#482](#), [#490](#), [#486](#)

At IETF 115 (2022) we [decided](#) on the scope/approach for qlog:

- **Included:** Features and frames defined in RFC / IANA **by end of 2022**
  - RFC9000 - 9003, 9114 (H3), 9221 (QUIC Datagram), 9287 (grease bit), 9218 (extensible priorities) and 9297 (H3 Datagram only, *not capsules*)
- **Excluded:** Later things would have their own qlog definitions or periodic update docs

3 years later, not sure this decision should be **revised or not**:

- RFC 9297 **Capsules** are important to e.g., WebTransport
- STREAM\_RESET\_AT is an important extension, might be RFC before qlog
- RFC 9368 Compatible version negotiation
- ACK\_FREQUENCY might be RFC before qlog
- “Managing multiple paths” is near to being finished

## Expand qlog scope [#482](#), [#490](#), [#486](#)

- ? Do we want to revise the scope to include some new things?
  - Proposal - minimal changes to incorporate simple things
    - 2 **PRs ready**, both relatively low impact:
      1. RFC 9297 Capsules : [#490](#)
      2. STREAM\_RESET\_AT : [#482](#)
- If yes: where do we draw the line?
  - “Managing multiple paths” seems a stretch / needs its own document?

# JSON-SEQ is painful [#434](#)

See [IETF 121](#) presentation (one year ago)

No new information

If this is something you care strongly about, or have good knowledge of, please speak now

# Wrapping up

- Goal: **WGLC before next IETF meeting**
  - We've been saying that for 2 *years* now, so let's make it real this time ;)
  - Other open issues shouldn't need WG input, just the ones discussed today