WEBTRANS WG
IETF 125

Hybrid Meeting

Tuesday, March 17, 2026

11:30 - 12:30 China Time

Shangri-la Ballroom 1

Mailing List: webtransport@ietf.org
MeetEcho: webtrans (ietf.org)
Notes: https://notes.ietf.org/notes-ietf-125-webtrans

This session is being recorded

IETF 125 Meeting Tips

In-person participants

- Make sure to sign into the session using Meetecho (usually the “Onsite tool” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
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- Use of a headset is strongly recommended

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For detailed process information consult **RFC 2026: Internet Standards Process** and **RFC 2418: IETF Working Group Guidelines and Procedures** and updates to those.

The IETF routinely makes public written, audio, video, and photographic records of IETF activities, including your personal information as set out in the IETF Privacy Statement.

For advice, please talk to Working Group chairs or Area Directors.

About this meeting

- Agenda: https://datatracker.ietf.org/doc/agenda-125-webtrans/
- Notes: https://notes.ietf.org/notes-ietf-125-webtrans
- WG Chairs: Nidhi Jaju, Lucas Pardue

Agenda

- Preliminaries, *Chairs* (5 minutes)
  - Note Well(s), Note Takers, Participation hints
  - Agenda Bash
- W3C WebTransport Update, *Will Law* (15 minutes)
- WebTransport WG documents, *Eric Kinnear* (30 minutes)
  - https://datatracker.ietf.org/doc/html/draft-ietf-webtrans-overview
  - https://datatracker.ietf.org/doc/html/draft-ietf-webtrans-http3
  - https://datatracker.ietf.org/doc/html/draft-ietf-webtrans-http2
- WebTransport Interop Runner, *Marten Seemann* (5 minutes)
- Wrap up and Summary, *Chairs & ADs* (5 minutes)

W3C WebTransport Update (1 of 6)

W3C WebTransport WG progress since November 3, 2025

- **Status:** Published a Working Draft - latest version Feb 4 2026
- **Charter** current charter runs to June 30 2026.
- **Timetable**
  - March 2026: Candidate for Recommendation - requires stability in API
  - May 2026: Proposed Recommendation - requires two independent implementations per our charter.
  - June 2026: Call for Review of a Proposed Recommendation
  - July 2026: Publication by W3C as a Recommendation after AC review
- **Milestone** status
  - Candidate Recommendation (100% complete, 0 open, 90 closed)

W3C WebTransport Update (2 of 6)

Major decisions and updates since last IETF report (Nov 3 2025):

- **Integrate with fetch #697 #701 -** WebTransport constructor is now fully integrated with FETCH spec. This:
  - describes the CONNECT request using FETCH
  - allows us to inherit any future improvements to FETCH
  - simplifies header support along with forbidden-header-name & CSP.

- **Add connection stats bytesAcknowledged & applicationBytes(Sent|Acknowledged) #689**

- **Remove framing overhead from bytesSent. Add bytesAcknowledged and bytesSentOverhead #702 -** wt.stats updated.
  - bytesSent - The number of payload bytes sent over the [=underlying connection=], excluding any framing overhead or retransmissions.
  - bytesAcknowledged - The number of payload bytes acknowledged as received by the server using QUIC's ACK mechanism on the [=underlying connection=]. Excludes any framing.
  - bytesSentOverhead - The framing and retransmission overhead in bytes of sending WebTransportConnectionStats/bytesSent number of payload bytes on the underlying connection.

W3C WebTransport Update (3 of 6)

Major decisions and updates since last IETF report (Nov 3 2025):

- **Updating explainer #716 #720 #738 #722**- hadn't been updated since 2021. Revised language, goals and examples. https://github.com/w3c/webtransport/blob/main/explainer.md

- **Rely on fetch request's WebTransport-hash list for CSP & cert verification #711**
  'unsafe-webtransport-hashes' keyword to connect-src w3c/webappsec-csp#791

  if `connect-src` and `default-src` are absent then hashes are allowed (for backwards compatibility)
  if `connect-src` or `default-src` are present then hashes as DISALLOWED without an `unsafe-webtransport-hashes` keyword
  This ensures any URLs listed in CSP remain validated by both DNS AND certificates by default.

- **Add headers constructor option and readonly response wt.responseHeaders attribute #713**

```
const wt = new WebTransport("https://example.com/wt", {headers: { Authorization: `Bearer ${token}` }});
await wt.ready;
const response = wt.responseHeaders;
```

W3C WebTransport Update (4 of 6)

Major decisions and updates since last IETF report (Nov 3 2025):

- **s/incomingHighWaterMark/incomingMaxBufferedDatagrams/ #735**
  `unrestricted double incomingHighWaterMark` → `unsigned long incomingMaxBufferedDatagrams`

- **s/outgoingHighWaterMark/outgoingMaxBufferedDatagrams/ #737**
  `unrestricted double outgoingHighWaterMark` → `unsigned long outgoingMaxBufferedDatagrams`
  Avoids confusion with the stream spec concepts

W3C WebTransport Update (5 of 6)

WebTransport has been accepted as a focus area in Interop 2026!

Interop 2026 is a cross-browser project where major engine teams agree on priority web features and then fix specs/tests/implementations until those features behave the same across browsers (tracked via Web Platform Tests)

Blog post:
https://hacks.mozilla.org/2026/02/launching-interop-2026

Interop dashboard:
https://wpt.fyi/interop-2026

(Note Safari's WebTransport is behind a flag hence the 0.0%)

Active Focus Areas					INTEROP
Container style queries	89.4%	89.4%	83.2%	83.8%	69.8%
CSS anchor positioning	99.5%	99.5%	97.1%	99.4%	96.9%
CSS attr()	99.4%	99.4%	11.7%	11.8%	11.7%
CSS contrast-color()	100%	43.5%	100%	100%	43.5%
CSS shape()	83.9%	83.9%	96.4%	95.4%	81.1%
CSS zoom	100%	100%	100%	93.4%	93.4%
Custom highlights	96.4%	97.4%	95.1%	68.3%	63.8%
Dialogs and popovers	99.8%	99.8%	95.1%	48.4%	48.4%
Fetch uploads and ranges	84.6%	84.6%	71.3%	77.1%	54.7%
IndexedDB	100%	100%	4.1%	4.1%	4.1%
JSPI for WASM	100%	100%	7.6%	100%	7.6%
Media pseudo-classes	0.0%	0.0%	100%	100%	0.0%
Navigation API	98.6%	98.1%	90.2%	92.5%	82.8%
Scoped custom element registries	96.6%	94.8%	1.5%	94.0%	1.5%
Scroll-driven animations	95.9%	96.1%	33.8%	93.6%	31.9%
Scroll snap	92.2%	92.2%	64.4%	46.5%	46.5%
View transitions	98.9%	98.2%	79.1%	97.6%	75.9%
Web compat	88.8%	88.8%	88.8%	55.5%	44.4%
WebRTC	87.5%	88.4%	64.0%	78.6%	32.7%
WebTransport	79.8%	79.8%	78.0%	0.0%	0.0%
TOTAL	89.5%	86.6%	68.0%	72.0%	44.5%

W3C WebTransport Update (6 of 6)

Having closed all issues assigned to our Candidate Recommendation milestone, we now move on to the next step in the W3C release process, which is **Wide review**.

Wide review is the phase where the spec is actively solicited for feedback from the broader web community (other W3C groups, implementers, and stakeholders) to catch remaining issues before advancing to **Candidate Recommendation**.

Our goal is to be able to release the specification in **August 2026.**

WebTransport Open Issues

Eric Kinnear

https://datatracker.ietf.org/doc/draft-ietf-webtrans-overview/

https://datatracker.ietf.org/doc/draft-ietf-webtrans-http3/

https://datatracker.ietf.org/doc/draft-ietf-webtrans-http2/

Document Updates

draft-ietf-webtrans-overview-12

draft-ietf-webtrans-http3-15

draft-ietf-webtrans-http2-14

WebTransport Overview

draft-ietf-webtrans-overview-12

Editorial changes only

draft-ietf-webtrans-overview-12

No open issues

WGLC is currently running, please review the drafts!

WebTransport over HTTP/3

draft-ietf-webtrans-http3-15

Updated security considerations #246

Replaced WT_MAX_SESSIONS with WT_ENABLED for server only #247

- Client sends for draft version negotiation #260

draft-ietf-webtrans-http3-15

Updated error conditions #248, #249

- Added WT_ALPN_ERROR #251
- Added WT_REQUIREMENTS_NOT_MET #252

draft-ietf-webtrans-http3-15

Don’t wait for peer to send flow control updates #253

Added discussion of using the capsule-based protocol over H3 #255

Open Issues

draft-ietf-webtrans-http3

Status Code #256

If the resource does exist but doesn’t support WebTransport:

> The 405 (Method Not Allowed) status code indicates that the method received in the request-line is known by the origin server but not supported by the target resource. The origin server MUST generate an Allow header field in a 405 response containing a list of the target resource's currently supported methods.
>
> The 406 (Not Acceptable) status code indicates that the target resource does not have a current representation that would be acceptable to the user agent, according to the proactive negotiation header fields received in the request (Section 12.1), and the server is unwilling to supply a default representation.

Your issue here

WGLC is currently running, please review the drafts!

WebTransport over HTTP/2

draft-ietf-webtrans-http2-14

Updated security considerations #162

Don’t wait for peer to send flow control updates #167

SETTINGS_WT_INITIAL_MAX_STREAM_DATA_BIDI now
    *_BIDI_LOCAL
    *_BIDI_REMOTE #168

draft-ietf-webtrans-http2-14

Clarified SETTINGS updates #170

Disallowed error codes larger than 32 bits #172

Discussed other HTTP versions #173

Open Issues

draft-ietf-webtrans-http2

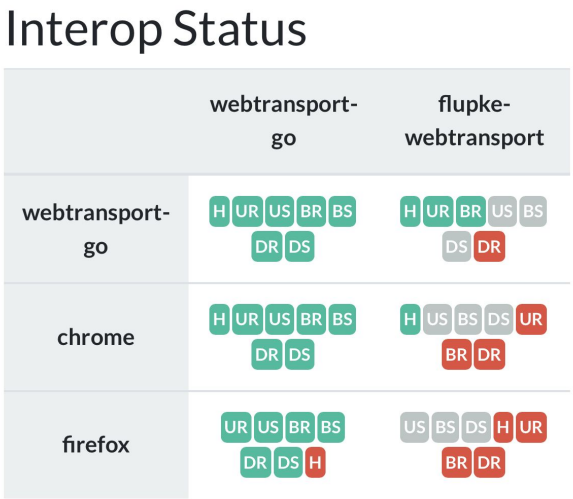
Your issue here

WGLC is currently running, please review the drafts!

WebTransport Interop Runner

Marten Seemann

https://interop.seemann.io/webtransport



Wrap-up, and Summary

Nidhi Jaju

Lucas Pardue

Next steps

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Thank you

Special thanks to:

The Secretariat, WG Participants, and ADs