

Web and Internet Transport

IETF WIT Area

Madrid

July 2025

WIT ADs Office Hours: Sunday a.m. 16 March



Agenda

1. Welcome and Agenda
2. Review of WGs and Outputs
3. Area Review Team & HTTP Directorate
4. Update on WIT BoFs
5. Area Review Team & HTTP Directorate
6. News from the WIT Area
7. Open Mic



WIT Area

17 WGs

2 Directorates

2 ADs

1 BoF

WIT RFCs Published

8 RFCs published in the last period:

RFC 9745: The Deprecation HTTP Response Header Field

RFC 9751: Closing the RTP Payload Format Media Types

RFC 9725: WebRTC-HTTP Ingestion Protocol (WHIP)

RFC 9754: Extensions for Opening and Delegating Files in NFSv4.2

RFC 9626: Video Frame Marking RTP Header Extension

RFC 9628: RTP Payload Format for VP9 Video

RFC 9766: Extensions for Weak Cache Consistency in NFSv4.2's Flexible File Layout

RFC 9727: api-catalog: A Well-Known URI and Link Relation to Help Discovery of AP



WGs (AD: Gorry)

avtcore	Audio/Video Transport Core Maintenance	Marius Kleidl , Jonathan Lennox
ccwg	Congestion Control Working Group	Reese Enhardt , Eric Kinnear
cdni	Content Delivery Networks Interconnection	Chris Lemmons , Kevin J. Ma , Sanjay Mishra
happy	Heuristics and Algorithms to Prioritize Protocol deploYment	Tim Chown , Eric Kinnear
nfsv4	Network File System Version 4	Christopher Inacio , Brian Pawlowski
quic	QUIC	Matt Joras , Lucas Pardue
scone	Standard Communication with Network Elements	Brian Trammell , Qin Wu
tcpm	TCP Maintenance and Minor Extensions	Yoshifumi Nishida , Michael Tüxen
tsvwg	Transport and Services Working Group	Martin Duke , Zaheduzzaman Sarker



WIT WG drafts submitted to IESG

IESG Evaluation

[draft-ietf-tsvwg-usr-exp-10](#)

User Ports for Experiments (IETF LC)

[draft-ietf-tsvwg-nqb-30](#)

A Non-Queue-Building Per-Hop Behavior (NQB PHB) for Differentiated Services

RFC Ed Queue Internet-Drafts

[draft-ietf-tcpm-prr-rfc6937bis-21](#)

Proportional Rate Reduction (Announcement)

[draft-ietf-avtcore-rtp-j2k-scl-08](#)

RTP Payload Format for sub-codestream latency JPEG 2000 streaming

[draft-ietf-tsvwg-multipath-dccp-24](#)

DCCP Extensions for Multipath Operation with Multiple Addresses

[draft-ietf-tsvwg-udp-options-dplpmtud-15](#)

Datagram PLPMTUD for UDP Options



WGs (AD: Mike)

aipref	AI Preferences	Suresh Krishnan, Mark Nottingham 
core	Constrained RESTful Environments	Carsten Bormann, Jaime Jimenez, Marco Tiloca
httpapi	Building Blocks for HTTP APIs	Darrel Miller, Rich Salz
httpbis	HTTP	Mark Nottingham, Tommy Pauly
masque	Multiplexed Application Substrate over QUIC Encryption	Dennis Jackson, Eric Kinnear, Marten Seemann
moq	Media Over QUIC	Martin Duke, Magnus Westerlund
webtrans	WebTransport	Nidhi Jaju, Lucas Pardue, David Schinazi
wish	WebRTC Ingest Signaling over HTTPS	Nils Ohlmeier, Sean Turner

WIT WG drafts submitted to IESG

IESG Evaluation

[draft-ietf-httpbis-rfc6265bis-20](#) (Approved-announcement to be sent)

[Cookies: HTTP State Management Mechanism](#)

[draft-ietf-core-coap-dtls-alpn-04](#)

ALPN ID Specification for CoAP over DTLS

[draft-ietf-core-dns-over-coap-16](#)

DNS over CoAP (DoC)

[draft-ietf-core-oscore-groupcomm-26](#)

Group Object Security for Constrained RESTful Environments (Group OSCORE)

[draft-ietf-core-groupcomm-bis-14](#)

Group Communication for the Constrained Application Protocol (CoAP)

[draft-ietf-core-href-23](#)

Constrained Resource Identifiers

RFC Ed Queue Internet-Drafts

[draft-ietf-httpbis-cache-groups-07](#)

HTTP Cache Groups

[draft-ietf-core-cf-reg-update-09](#)

Update to the IANA CoAP Content-Formats Registration Procedures



WIT BoF:

PTTH on Thursday at 17:00

Area Review Team & HTTP Directorate

Transport Area Review Team (TSV-ART)

- Reviews drafts with potential transport protocol related challenges in IETF last call
- Reviews drafts requested for early review by ADs and WG chairs
 - Occurs more frequent!
 - Positive Development!
- Reviews assigned based on reviewer's experiences
- Current workload is varying but stays at one to two documents per meeting cycle
- We have room for some additional reviewers
 - If interested send email to tsv-triage@ietf.org
- Common Issues: <https://wiki.ietf.org/group/tsv/TSVART-common-issues>

Team and Completed Reviews

David Black (1)

Spencer Dawkins (0)

Wes Eddy (triage) (2)

Gorry Fairhurst (1)

Vidhi Goel (1)

Mirja Kühlewind (1)

Nishida Yoshifumi (0)

Lars Eggert (1)

Martin Duke (2)

Jörg Ott (2)

Tommy Pauly (2)

Colin Perkins (1)

Kyle Rose (1)

Michael Scharf (2)

Joe Touch (1)

Brian Trammell (2)

Michael Tüxen (2)

Magnus Westerlund (triage) (2)

Marcus Ihlar (1)

(x) Number of reviews in 2025

HTTP Directorate

The HTTP Directorate reviews documents for how the HTTP protocol is used, to assure:

- Proper interoperation and deployability on HTTP infrastructure
- Architectural alignment with HTTP
- Future extensibility and evolution of the application and HTTP itself

8 Reviewers

Secretary: Mark Nottingham

Please request early reviews!

Mark Nottingham
(Mike Bishop)
Lucas Pardue
Julian Reschke
Darrel Miller
Martin Thomson
Roy T. Fielding

<https://httpwg.org/admin/directorate/>



News from the WIT Area

CDNI

AIPREF

CDNI WG Update

IETF 123

7/22/25

CDNI chairs:

Chris Lemmons

Kevin Ma

Sanjay Mishra

WIT AD:

Gorry Fairhurst

CDNI Working Group

What does this working group do?

- Allow the interconnection of separately administered CDNs in support of the end-to-end delivery of content from CSPs through multiple CDNs and ultimately to end users

Background

- WG was originally set up in 2012 and was active 2016 and developed a published a core set of 10 RFCs
- The WG uniquely defined the concept of an upstream CDN (uCDN) and downstream CDN (dCDN) for these interactions
- However, the novel idea of CDN interoperability did not take a hold as intended until after 4-years when the streaming video technology Alliance (SVTA) came along and picked up those RFCs for implementation

CDNI Working Group

Since 2020

- The SVTA member companies started to implement the original set of core RFCs with the same novel idea of uCDN and a dCDN, except, it extended the idea where an upstream CDN can be a content provider and a downstream CDN can also be telecom service provider (hosted caches)
- The above work has resulted in four “new” publications, plus one more

Current status of the CDNI WG

- The SVTA member companies are very actively implementing from a set of 15 RFCs and new work in the pipeline.
- This includes:
 - Eight drafts are active as WG group document, of which
 - One draft is RFC-to-be 9808
 - One draft is updating RFC8007 and soon to be likely candidate for WGLC
- Four individual drafts awaiting WG adoption

Plans for CDNI WG at IETF 123

The CDNI working group is meeting on Monday, July 21

Updates to the charter:

- This includes considering removal of the completed deliverables
- Adding two additional deliverables to the charter
- WGLC for draft-ietf-cdni-edge-control-metadata-04
- Early SECDIR review of draft draft-ietf-cdni-protected-secrets-metadata-04?
- Updates from authors on WG drafts based on reviews/comments
- Call for adoption

The CDNI WG will greatly benefit if there are more reviewers outside of the CDNI working group. Please contact the chairs if you would like to volunteer!

Open Mic