



QUIC

IETF QUIC WG

WG Meeting at IETF 112
2021-11-10

Note well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process), [BCP 25](#) (Working Group processes), [BCP 25](#) (Anti-Harassment Procedures), [BCP 54](#) (Code of Conduct), [BCP 78](#) (Copyright), [BCP 79](#) (Patents, Participation), <https://www.ietf.org/privacy-policy/> (Privacy Policy)

IETF Code Of Conduct

RFC7154

1. IETF participants extend respect and courtesy to their colleagues at all times.
2. IETF participants have impersonal discussions.
3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
4. Individuals are prepared to contribute to the ongoing work of the group.
5. Please keep these in mind both at the mic and on Jabber/Meetecho IM

Administrivia

- Note taker(s)
 - <https://notes.ietf.org/notes-ietf-112-quic#>
- Blue sheets
 - Automagic
- Chat
 - Meetecho
- Audio / Video
 - Hand icon to join/leave in queue
 - Microphone icon for audio, Camera icon for video
 - Presenters:
 - Page icon to ask to share slides
 - Screen icon to ask to share screen
 - Chairs will run the queue



Agenda

<https://datatracker.ietf.org/doc/agenda-112-quic/01/>

- Chair updates - 10 mins
- WG items
 - Ack Frequency - 15 mins
 - Qlog - 15 mins
 - Version negotiation - 5 mins
 - QUIC-LB - 15 mins
- New work
 - Multitpath - 30 mins
 - Receive Timestamps - 10 mins
 - QUIC vNext(?) - 5 mins
 - 0RTT BDP - 10 mins
- Wrap up - 5 mins

Updates since the last meeting

- HTTP/3 and QPACK still in RFC Editor queue, awaiting HTTP “core” which is making progress - see https://www.rfc-editor.org/cluster_info.php?cid=C430
- Ops drafts are in AD review
- Datagram draft is in AD review
- Grease Bit WGLC complete - awaiting new draft before passing to AD

Related work since last time

Around and about

- DNS over QUIC, DPRIVE WGLC -
<https://datatracker.ietf.org/doc/draft-ietf-dprive-dnsoquic>

At IETF 112

- MASQUE WG (Monday)
- WebTrans WG (Tuesday)
- Media over QUIC non-WG side meetings (Tuesday, Thursday)

Adopting new work items 1

To summarise our charter <https://datatracker.ietf.org/wg/quic/about/>

The WG acts as the focal point for any QUIC-related work in the IETF.

1. **maintenance and evolution** of the existing QUIC specifications
2. **supporting the deployability** of QUIC
3. **new extensions** to QUIC

How new or existing application protocols use QUIC can be done outside our WG, or done here if needed.

Defining new congestion control schemes is explicitly out of scope for the WG.

Adopting new work items 2

If you're considering bringing work to the QUIC WG please reach out to the chairs or the list. We'll want to understand the perceived problem(s) that exists and what the transport protocol QUIC might be able to do to address it

A multipath extension to QUIC was in an old charter, we de-scoped it from our current charter:

- We held an interim meeting focused on multipath in October 2020:
- Slides and minutes: <https://github.com/quicwg/wg-materials/tree/main/interim-20-10>
- We have a clearer idea of the problems that multipath can address, and a more unified proposal for a solution. Mirja will present on this later on.

Wrap up

Actions / outcomes

Interim meeting(s)?