Multicast to the browser

Status update

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IETF 113 mboned

draft-ietf-mboned-dorms
draft-ietf-mboned-cbacc
draft-ietf-mboned-ambi
draft-ietf-mboned-mnat
Outline

● Progress Reports
  ○ Updates on IETF 112 open items
  ○ Overall Project status
  ○ Things making progress
    ■ QUIC extension proposal
    ■ AMBI progress
    ■ W3C community group

● Action Requests for WG & chairs
Follow-ups from IETF 112

- **draft-krose-multicast-security**
  - Dispatched to msec list
  - No discussion resulted.
  - Still guiding QUIC extension effort, so hopefully not too wrong

- **W3C Webtransport rejected adding multicast as a use case**
  - Premature—needs IETF work first to establish protocol
  - Requires browser to express an interest in support

- **Now aiming to deploy production traffic pre-browser support**
  - Not abandoning effort, clientless web video still important long-term
  - Early deployment may not include all security features, esp. encryption
Overall Project Status (corporate view)

- Moved out of R&D, into product team
  - Successful eval, sound business case
- A few partners currently evaluating proposals
  - Minimum viable product, initially with specific network partner
  - Production delivery to start on ~1-2 year timeline
  - Non-browser clients
  - Possibly either or both of software & video
- Aiming to launch with at least one flagship partner
QUIC effort beginning

- **Response to secdispatch feedback**
  - Need a proposal before evaluating security properties

- **Draft Preview for QUIC: not yet submitted**
  - Just intro, abstract, a few security considerations
  - Lucas Pardue co-authoring, another possible collaborator considering
  - [https://github.com/GrumpyOldTroll/draft-jholland-quic-multicast](https://github.com/GrumpyOldTroll/draft-jholland-quic-multicast)

- **Aiming for a prototype and initial spec by July**
  - Could be superseded by production deployment efforts in progress
  - With sufficient progress, will ask for QUIC slot

- **Multipath-like**
  - Unicast anchor + multicast supplement as alt path
AMBI work progressing

- Max Franke review & PRs
  - Thanks Max!
  - Possibly will join as co-author

- QUIC proposal will do the same thing in QUIC frames
  - May or may not cross-ref with AMBI doc
W3C Multicast Community Group remains active

- Multicast Community Group meeting regularly: https://github.com/w3c/multicast-cg/tree/main/meetings
- Some good contributions to libmcrx from participants
  - Thanks Gavin Henry!
- Join list for monthly updates on QUIC progress/developments
  - https://www.w3.org/community/multicast/
WG Action Requests

- Begin DORMS last call
- Make Cluster with DORMS, AMBI, CBACC
- Post to msec@ietf.org re: draft-krose-multicast-security
  - Have the privacy debate
- MNAT
  - Reviews
  - Fixing 8 TBDs, then last call?
- In July, avoid conflict with QUIC
  - Approaching July, request they eval the QUIC extension