Multicast to the browser
Status update

Jake Holland
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
- 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  - Could be superseded by production deployment efforts in progress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