MoQ Update for MOPS
IETF 116, Yokohama

27 March, 2023
What are we doing?

The Goal of MoQ is to

- Build protocols
  - needed for real-time or near real-time media
  - leveraging QUIC for its best advantage
Understanding the Problem
(and each other)

• Use Cases
  • MoQ drew a wide audience with diverse applications in mind

• Terminology
  • We're building a common vocabulary

• Requirements
  • We actually agree on some

• Requirements Draft

• Scenarios Draft
Experimentation

- Web based media pipelines, Bernard Aboba
- Warp Demo, Ali Begen
- QUICR, Suhas Nandakumar
- MoQ Proof of Concept, Jordi Cezano Ferret
Building (the beginnings of) a Solution

• MoQ started with 3 input proposals (RUSH, Warp and QUICR)
• We built a team to work on a combined "base protocol" draft
  • Working towards a common baseline for adoption
  • A second "base protocol" draft was published this month
    • They are not so far apart in the fundamentals
• We'll be discussing the deltas on Thursday 🍿
Trajectory

• Requirements draft is out for adoption

• We hope to issue a base protocol adoption call "soon" after IETF 116

• Clearly highlight the areas where we are lacking consensus and drive towards it

• The next steps
  • Let's try interop!
    • Can we send media over QUIC?
    • Can one protocol meet > 1 use case?

• (Probably) More interims -- the group needs high bandwidth at this stage
MoQ Meetings at IETF 116

- Thursday 13:00 in G302
- Friday(!) 12:00 (!) in G303

Do you like taking notes?

Do you like chocolate?

MoQ has good chocolate for note takers
Questions