Quick QUIC Update

IETF 106
Status

- Transport and TLS documents in "Late Stage Process"
- Recovery and HTTP documents about to join
- Interop steadily improving
The Plan

- Working Group Last Call around end of year (2019)
- Prolonged pause for editorial adjustments, implementation and deployment feedback
- Will solicit reviews at that time
- Send to IESG around middle of 2020
QUIC-Related Work

- Versions
- Extensions
- Applications
- Other Things
- Tracked at
Versions

- QUICv2 has been discussed for a while
- Need to exercise versioning mechanism, avoid ossification
- Not sure what it will include yet, however
Extensions

- We have capacity opening up and desire to prove the QUIC extensibility model.

- Currently considering:
  - QUIC Load Balancers (duke-quic-load-balancers)
  - QUIC Version Negotiation (schinazi-quic-version-negotiation)
  - QUIC Datagrams (pauly-quic-datagram)

- Possibly in the future:
  - Loss Bits (ferrieuxhamchaoui-otvwg-lossbits)
  - 0RTT-BDP (kuhn-quic-0rtt-bdp)
  - Multipath (deconinck-quic-multipath)

- Need to recharter
Applications

• Fair amount of interest in using QUIC for applications other than HTTP
  • WebTransport (vvv-webtransport-quic)
  • Media
  • Proxy/tunnelling (e.g., draft-schinazi-masque)
  • Others (e.g., DNS, NETCONF)

• QUIC Working Group will not adopt these
  • ... but will coordinate / consult with those who do
Other Things

- Case-by-Case
  - QUIC Network Simulator
  - QLog logging format (marx-qlog-main-schema)
  - Pluginised QUIC
  - QUIC for SATCOM (kuhn-quic-4-sat)
More Information

- Current list:

- For Extensions: write a draft and bring it to QUIC

- For Applications: write a draft and bring it to ADs
Questions?