

# **QUIC in Deep Space**

**Summary of progress made during IETF 120 Vancouver Hackathon**

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# Purpose

- Deep space has (very) large and (very) variable RTT
- QUIC with proper transport configuration worked
  - simulated with the Quinn QUIC stack, which exposes all the necessary transport parameters in its API
- However, not every QUIC stack exposes these transport configuration parameters in their API.
- Goal of the hackathon is to modify QUIC stacks to expose parameters and then do interop testing between QUIC stacks under the deep space scenario

# Stacks

- QUIC stacks modified
  - Neqo
  - Aioquic
  - Cloudflare Quiche (not yet finished)
- Interop testing about to be done at the time of writing
- Participants:
  - Kota Yatagai, Robin Mueller, Laurent Toutain, Marc Blanchet
- FYI: Deep Space IP side meeting: Wednesday 8h00-9h30 Tennyson