
QUIC BoF

Introduction/Agenda

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Agenda

- Note well and intro (you are here)
- J. Iyengar A QUIC Overview (15m)
- C. Huitema Implementing QUIC for fun and planning (10m)
- M. Ponc QUIC deployment at Akamai (10m)
- I. Swett QUIC deployment at Google (15m)
- M. Thomson Using TLS for QUIC (10m)
- J. Iyengar Proposed document organization (10m)
- Open Mic Discussion / Consensus Questions

Charter: Key Points

Define a new standards track IETF transport protocol based on deployment experience with QUIC. Four focus areas:

- Core transport work: wire format, basic mechanisms
- Security: TLS 1.3 to protect QUIC header and payload
- Application semantic mapping: initial focus on HTTP/2
- Extension to multipath for migration and load sharing

Note: consensus required both for changes to the current protocol mechanisms and retention of current mechanisms. No need to maintain wire compatibility with existing, deployed code.

Charter: Milestones

- Chartering + 3 Months: Working group adoption of Core Protocol document
- Chartering + 3 Months: Working group adoption of Loss detection and Congestion Control document
- Chartering + 3 Months: Working group adoption of TLS 1.3 mapping document
- Chartering + 3 Months: Working group adoption of HTTP/2 mapping document
- Chartering + 12 Months: Working group adoption of Multipath extension document
- Chartering + 18 Months: Core Protocol document to IESG
- Chartering + 18 Months: Loss detection and Congestion Control document to IESG
- Chartering + 18 Months: TLS 1.3 Mapping document to IESG
- Chartering + 24 Months: HTTP/2 mapping document to IESG
- Chartering + 30 Months: Multipath extension document to IESG

Consensus Questions

Is the problem statement clear, well-scoped, solvable, and useful to solve? (yes/no)

Who is willing to review documents or comment to the list? (show of hands)

Who is willing to edit documents? (show of hands)

Should the IETF form a WG with the charter discussed today? (yes/no)