Editor Update

QUIC, IETF 103, November 2018
Martin Thomson

New of note in -15 / NYC interim outcomes

Transport and Recovery
     merge ACK and ACK_ECN
     max_ack_delay signaling
     validate connection ID from Retry; only one Retry
     RETIRE_CONNECTION_ID frame
     handshake deadlock prevention
HTTP and QPACK
     varint settings
     Largest Reference encoded modulo MaxEntries
     new Static Table

New of note in -16

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New Transport Structure

Streams
    Section 2 concepts
    Section 3 state machine
    Section 4 flow control

Connections
    Section 5 concepts
    Section 6 version negotiation
    Section 7 connecting
    Section 8 address validation
    Section 9 migration
    Section 10 closing
    Section 11 error handling

Packets and frames
    Section 12 concepts
    Section 13 ACKs & transmission
    Section 14 packet size

Wire format
    Section 15 versions
    Section 16 varint
    Section 17 headers
    Section 18 transport parameters
    Section 19 frames
    Section 20 error codes

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New HTTP Structure

Connection Setup and Management

Stream Mapping and Usage

HTTP Framing Layer

HTTP Request Lifecycle

Connection Closure

Extensions to HTTP/QUIC

Error Handling

QPACK

(Not published this time around, preview only.)

Compression Process Overview
    Encoder
    Decoder
Header Tables
    Static Table
    Dynamic Table
Wire Format
    Primitives
    Stream Types
    Encoder Stream
    Decoder Stream
    Request and Push Streams
Configuration
Error Handling

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Planned changes for -17

First octet changes after spin bit resolution

Make stream limits based on count rather than ID

Housekeeping: renumber things

Other changes discussed today

Aim for stable protocol in -17

That means no changes without **strong** justification

Editors will close suggestions and feature requests

Please don't open new design issues without discussion

    … especially if you aren't sure it's a bug

Please open PRs for editorial issues

    … we also take editorial issues