



Editor Update

QUIC, IETF 103, November 2018

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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

- 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

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

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