operations drafts?

- The OPS Drafts (https://github.com/quicwg/ops-drafts) provide advice to...
  - ...application developers and mapping designers on the use of quic (-applicability)
  - ...application and network administrators (and network management tool designers) on the implications of QUIC deployment for common management tasks (-manageability)
- Addresses the fifth focus area in the WG charter
It's time to start thinking about applicability again

- Applicability → abstract interface the protocol presents to the layers above.
- Goal: facilitate design of (non-HTTP) application bindings to QUIC
- Not many changes here, but little controversy so far, so little attention
we've done some thinking about managability in the meantime

• Manageability $\rightarrow$ surfaces the protocol's wire image presents to devices on the path.

• Goal: Provide a guide to QUIC's wire image for operators/management vendors, without making them read the whole transport specification.

• Flux in the wire image (e.g. CID, PNE) is slowing down, so it's time to start paying attention to this document again.
Changes
(-manageability-01)

• Update to -13 headers
  • add coalesced packets, fix CID$s, encrypt PN
• Mention SNI for application identification
• Point to spin bit experiment for potential RTT
• Remove upstream loss measurement (because of PNE)

• After a bit more work on load balancing / CID usage, this will be mostly done.
Open Issues

• Endpoint implementation and API issues (-applicability)
  • Reducing linkability (#31)
  • CID generation (#27, #11)
  • Port number use (#26)
  • Handling ICMP (#23)
  • Error interface (#14)
  • 0-RTT errors (#13)

• Additional endpoint behaviors (-applicability)
  • cheap per-stream partial reliability? (#15)
  • CID-based mux? (#12)
  • keepalive/0RTT resumption tradeoff (#6)

• Operational guidelines for serving QUIC (-applicability?)
  • Migrating GUIC→QUIC (#25)
  • Version rollout/rollback (#28)
Moving forward on -applicability

- Editors can suggest text, but we may not be the best potential authors for some of these.
  - Issue assignments and PRs graciously accepted!
- Document organization/audience:
  - We currently address implementors, application-layer users, and deployers with -applicability: is this too much?