Since IETF 116

● Published 1 set of 3 new drafts
  ○ Extensive editorial updates
  ○ Bumped qlog_version from 0.3 to 0.4
  ○ Added support for extension RFCs

● Received early SECDIR review of privacy + security considerations
  ○ "The [current] security considerations seem appropriate given the generic nature of the schema."
  ○ Minor remarks and nits resolved in new drafts
  ○ Thanks to Dan Harkins!
Bumped qlog_version 0.3 → 0.4 #300, #302

qlog events have a “category”
- e.g., **transport**:packet_sent

Categories were too high-level:
- Renamed **http** to **h3**
  
  http:frame_parsed → **h3**:frame_parsed
- Renamed **transport** to **quic**
  
  transport:packet_sent → **quic**:packet_sent

Spoilers: the plot will thicken
- Recommend holding off on implementing changes
Extension RFC support #310, #311, #312, #325

RFC9287 (GREASE bit)

RFC9220 (Extended CONNECT for WebSockets)

RFC9218 (Extensible prioritization)

- h3:priority_updated event added
Extension RFC support #310, #311, #312, #325

RFC9287 (GREASE bit)

RFC9220 (Extended CONNECT for WebSockets)

RFC9218 (Extensible prioritization)
  - h3:prioritized_updated event added

RFC9221 (QUIC DATAGRAM) + RFC9297 (H3 DATAGRAM)
  - NO capsule protocol
  - Used to be draft-marx-quic-qlog-datagram
  - quic:data_moved → quic:stream_data_moved + quic:datagram_data_moved

- BUT… what is a datagram?
How to log UDP-level info? #323

Previous:
- transport:datagrams_sent

Current:
- quic:datagrams_sent
  - BUT also: QUICDatagramFrame inside quic:packet_sent
  - What exactly is a “datagram”?

Proposal:
- udp:datagrams_sent
  - main/only downside: another breaking change
Versioning of qlog and additional schema #293

Old:

```
{
  "qlog_version": "0.3",
  "qlog_format": "JSON",
  "additional_schema": [
    "draft-ietf-quic-qlog-quic-events-04",
    "draft-ietf-quic-qlog-quic-h3-events-04"
  ],
  "summary": {...},
  "traces": [...]
}
```

New (and improved?):

```
{
  "qlog_version": "0.4",
  "qlog_format": "JSON",
  "additional_schema": [
    "urn:ietf:params:qlog:quic-events-06",
    "urn:ietf:params:qlog:h3-events-06"
  ],
  "summary": {...},
  "traces": [...]
}
```

Use IANA to register URI/URN for extension RFCs

https://www.iana.org/assignments/rtp-parameters/rtp-parameters.xhtml#rtp-parameters-10
Removal of .well-known endpoint #313

After generation, qlog implementers MAY make available generated logs and traces on an endpoint (typically the server) via the following .well-known URI:

.well-known/qlog/IDENTIFIER.extension

Proposal: remove from qlog docs (MERGED)

Maybe: move to a new draft and find a home for it
Multipath/Migration support #134, #318

Current:

YES: PATH_CHALLENGE + PATH_RESPONSE, preferred_address, …

NO: no support for IP addresses, “PathMigrationStarted/Stopped” events, …

Plan:

Add opaque “path_id” top-level field (can be logged for each event)

- Nice and flexible, but is it really enough?
- Do we have a clearer view on this with the progressing multipath interop?
The cliffhanger (PR not ready)

- QPACK event reworking proposal (#199)
The end (for now)

- Introduce udp category
- versioning / additional schema
- Removed .well-known
- “path_id” as panacea
- QPACK events