Two identifiers

QUIC transport version - 32-bit integer

TLS ALPN label - octet string

Model:

QUIC picks a version, TLS validates that version

Each ALPN label is good for a single transport version

Client advertises ALL ALPN labels it supports, even if not permitted by the QUIC version (otherwise downgrade)

If mismatch, fail the connection

ALPN proposal

Drafts: "quic-<draft>"

  draft-ietf-quic-<whatever>-07 is "quic-07"

Final: "quic"

This is what worked in HTTP/2

Transport version proposal

Split the space

    Standards stuff

    Free-for-all

Create a registry

Issue: size of each partition

Issue: registry policies for those partitions

Issue: IANA/wiki