QUIC Version Negotiation

draft-ietf-quic-version-negotiation

IETF 112 – Virtual Madrid – 2021-11

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A brief history of QUIC Version Negotiation

2013: GoogleQUIC adds version negotiation and downgrade protection
2016-07: IETF QUIC initially had it too
2018-09: issues found with incremental server deployments [Issue#1810]
2019-02: removed VN from the base drafts to unblock them via [PR#2313]
2019-03: published draft-schinazi-quic-version-negotiation-00
2020-02: adopted as draft-ietf-quic-version-negotiation-00

2021-04: QUIC WG interim dedicated to version negotiation
  Consensus to keep compatible and incompatible but try to simplify

2021-05: draft-04 published with simplified design
2021-10: draft-05 published with editorial changes
Next Steps

It sounds like we've landed on a design that everyone is happy with.

We have 14 open GitHub issues:

- Almost all of them are either editorial or appear to have agreement.
- None of them significantly change the protocol.

Would love to get feedback from implementers – was it straightforward?

Editors need to spend some time on minor issues.

Need to figure out a timeline.
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