

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-quick-version-negotiation-00

2020-02: adopted as draft-ietf-quick-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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